

ADDED - CWE

Professional Service Agreements for:

- General Civil Engineering
- Construction Management and Inspection

DESIGN PROFESSIONAL SERVICES AGREEMENT ON-CALL FOR GENERAL CIVIL ENGINEERING

This agreement ("Agreement") is made as of [REDACTED] 2019 by and between the **City of Commerce**, a municipal corporation ("City") and **CWE ("Consultant")**. City and Consultant are sometimes hereinafter individually referred to as a "Party" and collectively referred to as the "Parties."

RECITALS

WHEREAS, City desires to utilize the services of Consultant as an independent contractor to [insert brief description of work] as set forth in the Scope of Services attached hereto as **Exhibit A**; and

WHEREAS, Consultant represents that it is fully qualified to perform such consulting services by virtue of its experience and the training, education and expertise of its principals and employees.

NOW, THEREFORE, in consideration of performance by the parties of the covenants and conditions herein contained, the parties hereto agree as follows:

1. Company's Scope of Services. The nature and scope of the specific services to be performed by Consultant are as described in **Exhibit A**.

2. Term of Agreement. This Agreement shall commence on **February 2, 2019** (the "Commencement Date") and shall remain and continue in effect until **February 1, 2022**, unless sooner terminated pursuant to the provisions of this Agreement.

3. Compensation.

A. City agrees to compensate Consultant for services under this Agreement in compliance with the schedule set forth in **Exhibit A**. Consultant shall maintain appropriate and necessary documentation supporting the all invoices submitted to the City detailing the type of service provided. Such documentation shall be available for review by the City at all reasonable times upon request.

B. If at the request of the City, Consultant is required to incur out of pocket expenses (including but not limited to, out-of-town travel and lodging) which are above and beyond the ordinary expenses associated with performance of this Agreement, Consultant shall be entitled to reimbursement of such expenses. Consultant shall only be reimbursed for those expenses which: (I) appear on Consultant's monthly invoices; (II) are accompanied by a copy of the City's written authorization for Consultant to incur such expenses; and (III) receipts documenting such expenses.

4. General Terms and Conditions. The General Terms and Conditions set forth in **Exhibit B** are incorporated as part of this Agreement. In the event of any inconsistency between the General Terms and Conditions and any other exhibit to this

Agreement, the General Terms and Conditions shall control unless it is clear from the context that both parties intend the provisions of the other exhibit(s) to control.

5. Addresses.

City of Commerce

City of Commerce
2535 Commerce Way
Commerce, CA 90040
Attn: Edgar P. Cisneros, City Administrator

Company

CWE
Attn: Vik Bapna
1561 E. Orangethorpe Ave., Ste. 240
Fullerton, CA 92831-5202

6. Exhibits. All exhibits referred to in this Agreement are listed here and are incorporated and made part of this Agreement by this reference.

Exhibit A – Scope of Services and Compensation Schedule

Exhibit B – General Terms and Conditions

SIGNATURES ON FOLLOWING PAGE

IN WITNESS WHEREOF, the parties have executed this Agreement as of the dates written below.

CITY

CITY OF COMMERCE

By: _____
Hugo A. Argumedo, Mayor Date _____

By: _____
Edgar P. Cisneros, City Administrator Date _____

CONSULTANT

CWE

By: VB Bapna _____
Vik Bapna Date 2/21/2019

ATTEST:

By: _____
Lena Shumway, City Clerk Date _____

APPROVED AS TO FORM:

By: _____
Noel Tapia, City Attorney Date _____

EXHIBIT A
SCOPE OF WORK



Statement of Qualifications to Provide Various On-Call Professional Services

February 22, 2019

SUBMITTED TO:

Creating a better tomorrow, today.™

City of Commerce
Public Works and Development Services Department
2535 Commerce Way
Commerce, California 90040
Attn: Jasmin Elepano
Senior Management Analyst



1561 E. Orangethorpe Avenue, Suite 240
Fullerton, California 92831
(714) 526-7500 TEL | (714) 526-7004 FAX
www.cwecorp.com



CWE

1561 E. ORANGETHORPE AVE
SUITE 240
FULLERTON, CA 92831
(714) 526-7500 PHONE
(714) 526-7004 FAX
www.cwecorp.com

February 22, 2019

Ms. Jasmin Elepano
Senior Management Analyst
Public Works and Development Services Department
City of Commerce
2535 Commerce Way
Commerce, California 90040

Statement of Qualifications to Provide Various On-call Professional Services

Dear Ms. Elepano,

CWE understands that due to a high volume of current and anticipated capital improvement and development projects, the City of Commerce (City) is seeking to retain the services of various on-call professional consultants for a variety of projects on an "as-needed" basis. CWE is an exceptionally qualified firm to meet a wide variety of the City's engineering goals, and we have focused this SOQ specifically for consideration to provide services under the **General Civil Engineering**, and **Construction Management and Inspection** disciplines. We are confident you will find our skills and experience well-suited for the City's future projects.

CWE is an experienced firm that understands the importance of client satisfaction and the imperative nature of an experienced key personnel line-up. Our qualified professionals offer a diverse range of experience in civil engineering, and construction management and inspections, and are prepared to meet the City's needs. We are a stand-out candidate based on the following differentiators:

- **Award-Winning Projects Demonstrate CWE's Quality Work.** CWE performed **both civil engineering and construction management** for the City of Torrance Stormwater Basin Treatment and Wetlands Enhancement, which received seven awards for innovative solutions involving water treatment, stormwater quality, erosion control, and BMP

Ms. Jasmin Elepano

February 22, 2019

Page 2

implementation from entities including, but not limited to the American Public Works Association (APWA), American Society of Civil Engineers (ASCE), *Engineering News-Record* (ENR), California Stormwater Quality Association (CASQA) and *Storm Water Solutions* magazine. We also performed design and construction management for the City of Los Angeles Garvanza Park Rainwater Capture and Use project, which received CASQA's Outstanding BMP Implementation Project Award.



- **Inspection Services Experience.** CWE has extensive experience providing construction inspection services. We provided construction inspections for the City of Torrance Machado Lake Trash Screen Catch Basin project, which involved the installation of 6,600 street sweeping signs and 1,229 full-capture trash screens on catch basins in Torrance and neighboring cities.

CWE submits this Statement of Qualifications not simply as an expression of interest, but as a personal statement of our commitment to providing the leadership and resources necessary to render timely and responsive services to the City. We look forward to further discussing our qualifications for this opportunity. If you have any questions or require additional information, please contact me at (714) 526-7500 Ext. 212 or vbapna@cwecorp.com.

Respectfully submitted,

CWE

Vik Bapna, PE, ENV SP, CPSWQ, QSD/P
Principal



City of Commerce

Statement of Qualification for Various On-call Professional Services

Table of Contents

| | |
|---|-----------|
| A. GENERAL QUALIFICATIONS - CALTRANS STANDARD FORM 330 (SF330) | 1 |
| A.1 CIVIL ENGINEERING | 1 |
| B. MANDATORY REQUIREMENTS | 24 |
| C. SUPPLEMENTAL INFORMATION | 29 |
| D. PROJECT MANAGEMENT APPROACH | 30 |
| D.1 COORDINATION | 30 |
| D.2 PROJECT SCHEDULING | 30 |
| D.3 BUDGET CONTROL | 30 |
| D.4 QUALITY ASSURANCE | 31 |
| E. CALTRANS FORMS | 32 |

Creating a better tomorrow, today.™





City of Commerce

Statement of Qualification for Various On-call Professional Services

A. General Qualifications

CWE has provided SF330 forms for each discipline being submitted for.

A.1 Civil Engineering



CWE has extensive experience performing civil engineering services, including, but not limited to, roadway and highway design, municipal infrastructure design, stormwater management design, as well as pavement assessment, design, and engineering. The attached SF330 package demonstrates our successful civil engineering project experience, and confirms our ability to provide the services below:

Services:

- Surveying, Grading, and Drainage Design
- Storm Drain and Flood Control Design
- Sewer and Water System Design
- Retaining Wall Design
- Roadway and Highway Design
- Specifications and Estimates
- Municipal Plan Check Review
- Value Engineering and Peer Review
- Program Management

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

On-Call Professional Service for Engineering Services
Commerce, California

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Vik Bapna, Principal

5. NAME OF FIRM

CWE

6. TELEPHONE NUMBER

(714) 526-7500

7. FAX NUMBER

(714) 526-7004

8. E-MAIL ADDRESS

vbapna@cwecorp.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

| | (Check) | | | | 9. FIRM NAME | 10. ADDRESS | 11. ROLE IN THIS CONTRACT |
|----|---------|-----|---------|----------------|--|---|---------------------------|
| | PRIME | J-V | PARTNER | SUBCON-TRACTOR | | | |
| a. | X | | | | CWE <input type="checkbox"/> CHECK IF BRANCH OFFICE | 1561 E. Orangethorpe Avenue Suite 240 Fullerton, California 92831 | General Civil Engineering |
| b. | | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| c. | | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| d. | | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| e. | | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |

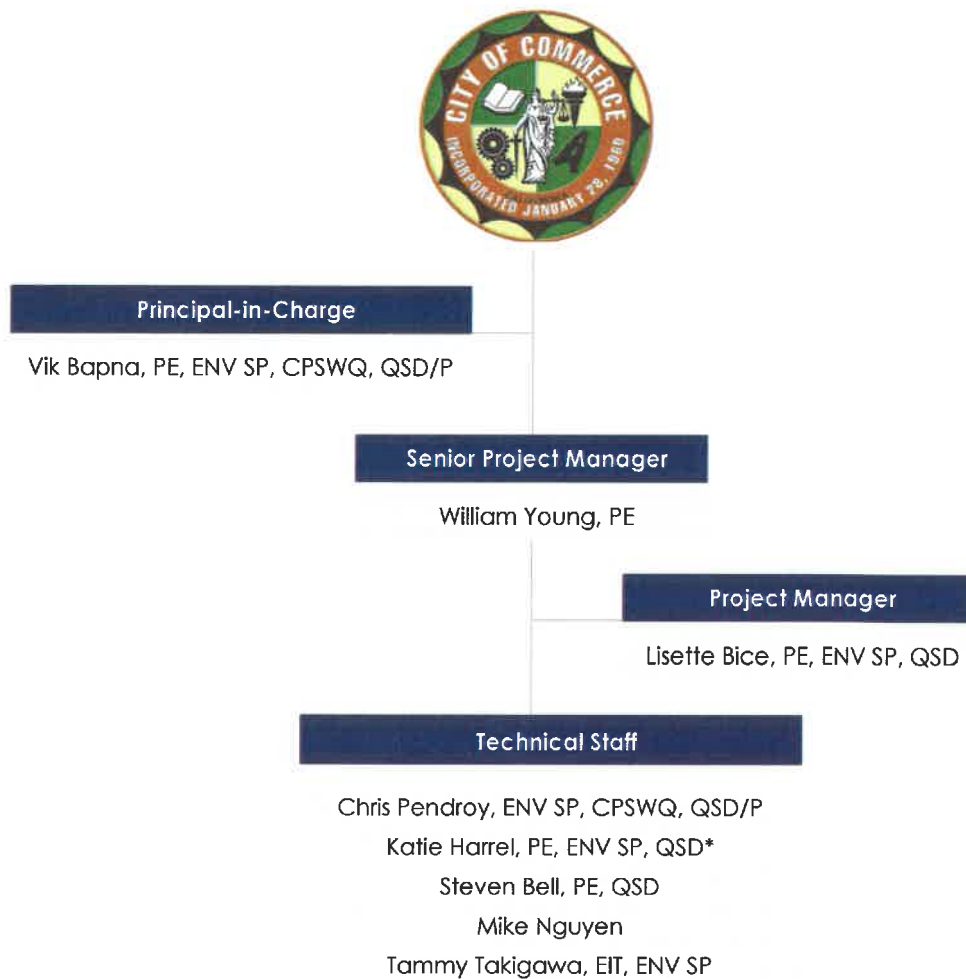
D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

D. ORGANIZATIONAL CHART OF PROPOSED TEAM


Solicitation: City of Commerce On-Call Professional Service – General Civil Engineering

The organizational chart below depicts the roles and responsibilities of the CWE proposed staff.



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | | | |
|---|--|---|--|-------------------------------|--------------------------------------|
| 12. NAME Vik Bapna, PE, ENV SP, CPSWQ, QSD/P | 13. ROLE IN THIS CONTRACT Principal-in-Charge | 14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 27</td> <td>b. WITH CURRENT FIRM 12</td> </tr> </table> | | a. TOTAL 27 | b. WITH CURRENT FIRM 12 |
| a. TOTAL 27 | b. WITH CURRENT FIRM 12 | | | | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, New Jersey Institute of Technology | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 52060 ENVISION™ Sustainability Professional Credential Certified Professional in Storm Water Quality, 543 Qualified SWPPP Developer/Practitioner, 368 | | | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Vik Bapna is one of CWE's founding Principals. With 27 years of experience, he is a locally recognized expert managing multiuse projects that improve water quality, reduce pollutants of concern, and enhance local communities. He has managed over \$200 million in large scale, multi-disciplinary projects for federal, state, and municipal agencies. On several of these projects, Vik has held meetings with various stakeholders, and managed tasks including preparing meeting materials and conducting public presentations. His additional experience includes performing plan check reviews for CEQA/NEPA documentation, WQMPs, LID Plans, and SWPPPs; designing innovative structural treatment control BMPs. | | | | | |
| 19. RELEVANT PROJECTS | | | | | |
| (1) TITLE AND LOCATION (City and State) Garvanza Park Rainwater Capture and Use Los Angeles County, California | | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2011</td> <td>CONSTRUCTION (if applicable) 2011</td> </tr> </table> | | PROFESSIONAL SERVICES 2011 | CONSTRUCTION (if applicable) 2011 |
| PROFESSIONAL SERVICES 2011 | CONSTRUCTION (if applicable) 2011 | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for assisting LA Sanitation – City of Los Angeles and North East Trees to determine the feasibility of retrofitting Garvanza Park with subregional stormwater management BMPs to enhance urban and stormwater runoff water quality from an 85-acre watershed for Total Maximum Daily Load (TMDL) compliance. Managed the design of a drainage system to route runoff from an existing 48-inch Reinforced Concrete Pipe (RCP) storm drain into a pretreatment BMP system consisting of a designed pump station, hydrodynamic separator and settling basin, one water tight subsurface detention gallery, and one subsurface-infiltration gallery for onsite landscape irrigation use and infiltration, Supervisory Control and Data Acquisition (SCADA), and inline monitoring systems. Delineated and characterized the tributary watershed to conduct a hydrologic and hydraulic analysis, and performed a pollutant load removal analysis for the proposed structural treatment controls. Managed tasks involving utility research, topographic ground surveying, potholing, a geotechnical analysis, including onsite infiltration testing, and shoring analysis. Delivered Plans, Specifications, and Estimates (PS&E) construction documents and assisted with the bid process. Managed construction administration duties, including construction inspection and material testing. Managed post-construction water quality monitoring to assess BMP function and effectiveness, which proved the project is showing tangible results in terms of TMDL compliance. Worked with stakeholders to identify concerns prior to and during construction. CWE Fee: \$402,765 | | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | | |
| (1) TITLE AND LOCATION (City and State) Los Amigos Park Stormwater Harvesting and Direct use Santa Monica, California | | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2016</td> <td>CONSTRUCTION (if applicable) 2016</td> </tr> </table> | | PROFESSIONAL SERVICES 2016 | CONSTRUCTION (if applicable) 2016 |
| PROFESSIONAL SERVICES 2016 | CONSTRUCTION (if applicable) 2016 | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design of a demonstration project that tapped into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, rerouted stormwater and dry-weather flows from the storm drain through a vortex system into a cistern, treated the stormwater and dry-weather runoff, and delivered highly-treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources such as storm drain flows to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supplies. Tasks performed included: developing a project study report, performing a geotechnical investigation and utility search, preparing design PS&Es, obtaining regulatory approvals, public education and outreach, construction support, preparing a Sampling and Analysis Plan, assisting the City in report preparation, and designing educational signage. CWE Fee: \$195,453 | | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | | |
| (1) TITLE AND LOCATION (City and State) University Park Rain Gardens Design-Build Los Angeles, California | | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2017</td> <td>CONSTRUCTION (if applicable) 2017</td> </tr> </table> | | PROFESSIONAL SERVICES 2017 | CONSTRUCTION (if applicable) 2017 |
| PROFESSIONAL SERVICES 2017 | CONSTRUCTION (if applicable) 2017 | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design of standardized sidewalk planters (rain gardens) that will treat stormwater runoff to help address the Santa Monica Bay Bacteria Total Maximum Daily Load (TMDL). The stormwater planters qualify as Best Management Practices (BMPs) and Low Impact Development (LID) solutions. The project involves demolition and reconstruction of sidewalks, parkways, curbs, and gutters so that the planters can be constructed within the public right-of-way. CWE Fee: \$54,430 | | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | | |


SECTION E

| | | | |
|----|--|-------------------------------|--|
| | (1) TITLE AND LOCATION (<i>City and State</i>) Laurel Canyon Boulevard Green Street Pacoima, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2017 | CONSTRUCTION (<i>if applicable</i>) 2017 |
| d. | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. CWE Fee: \$504,203 | | |
| | (1) TITLE AND LOCATION (<i>City and State</i>) Foothill Boulevard Master Plan Implementation Claremont, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2017 | CONSTRUCTION (<i>if applicable</i>) Ongoing |
| e. | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for hydrology and hydraulic analyses services, design of storm drains, bioswales, and water quality systems and structures to meet LID Plan requirements. The project includes the design and engineering of all improvements contained in the Foothill Boulevard Master Plan, which includes minor roadway and intersection improvements, pedestrian improvements at intersections that include bulb-outs and median refuge islands at five intersections, restriping, infill sidewalks, minor lighting improvements, bicycle lanes and protected bicycle lanes, removal of turf and installing drought-tolerant landscaping in medians and some parkway areas, bioswales, stormwater percolation devices, and an 850-foot-long section of new storm drain. The Master Plan spreads the improvements out over three phases and the project plans are to include all three phases. Tasks include: a hydrology/hydraulic study, preparing SWPPP and stormwater permit/planning documents, developing project plans for bioswales and storm drains, developing a construction and maintenance budget and project specifications for drainage features, preparing PS&Es, responding to RFIs related to design, conducting field visits, preparing as-built drawings, and making plan revisions. CWE Fee: \$276,844 | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|---|--|--|
| 12. NAME William Young, PE | 13. ROLE IN THIS CONTRACT Senior Project Manager | 14. YEARS EXPERIENCE a. TOTAL 38 b. WITH CURRENT FIRM 4 | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, California State Polytechnic University, Pomona | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 35715 | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) William "Bill" Young is CWE's Director of Engineering, and is a respected leader in the California civil engineering community, with 38 years of experience managing large and small design projects from conceptualization and design through construction. Bill's experience covered a diverse range of community improvement projects, involving parking lot, street, curb, and gutter repairs and improvements; highway design; pavement rehabilitation design, including pervious pavement and interlocking pavers; bioswales and bioretention systems; stormwater BMPs; flood control infrastructure; and irrigation lines. He also has experience obtaining all necessary permits for these projects. His career experience includes three years of field survey, including field topography, boundary, construction staking, and as-built verification for utilities and flood control projects. | | | |
| 19. RELEVANT PROJECTS | | | |
| (1) TITLE AND LOCATION (City and State) City of Torrance North Well Field Phase II Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if applicable) 2016 | | |
| a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for design services provided to the City of Torrance for the North Torrance Well Field Phase II project to upgrade their domestic water system. The project included well numbers 9 and 11, an access road, utilities, a three-million-gallon water tank, and a booster pump station at the Yukon site, located west of Yukon Elementary School in North Torrance. Phase I of the North Torrance Well Field project was recently completed. The Phase II design provided the City with final PS&Es for water and storm drain piping south of I-405 and connected to the existing City water and County storm drain systems near West 182nd Street. The Phase II design included the water main from the City's Well Number 9 situated in McMaster Park, south in Yukon Avenue to an existing connection in front of Yukon Elementary School. In addition to the water line, this project included a 48-inch overflow/storm drain to be installed under I-405 and connect to the existing County storm drain near West 182nd Street. Tasks included: design for jack-and-bore installation of 48-inch diameter steel casing for 30-inch diameter concrete storm drain pipe; data gathering; utility research, including potholing; permit processing for Caltrans and the LACFCD; obtaining DSA approvals; performing a design survey and hydraulic analysis; preparing PS&Es; and providing bid and construction support. CWE Fee: \$81,018 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| b. (1) TITLE AND LOCATION (City and State) Laurel Canyon Boulevard Green Street Pacoima, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Technical Manager for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. Project Cost: \$504,203 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| (1) TITLE AND LOCATION (City and State) City of Santa Monica Ocean Avenue Resurfacing Santa Monica, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager providing design services for the resurfacing of Ocean Avenue from Moomat Ahiko Way to Pico Boulevard. This project was incorporated with the replacement and upgrades of existing water mains along Ocean Avenue as part of the City's replacement program. CWE provided design services for street resurfacing, water main replacement, and traffic control, encompassing approximately 2,230 lineal feet along Ocean Avenue, Seaside Terrace, and Olympic Drive South. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es, including roadway resurfacing and details, traffic control plans, and water main replacement plans; utility potholing; coordination with the City and local businesses along Ocean Avenue for the phased construction; and obtaining all necessary permits. Construction support services included: contract document interpretation and bidding assistance, reviewing and responding to Requests for Information (RFIs) and Requests for Comments (RFCs), conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. CWE Fee: \$97,543 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |

SECTION E

| | | | |
|----|---|----------------------------------|---|
| | (1) TITLE AND LOCATION (City and State) City of Santa Monica Annual Water Main Replacement Program Santa Monica, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing |
| d. | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager provided design services for the replacement and upgrades of existing water mains at three sites in the City of Santa Monica for the City's Annual Water Main Replacement Program. This program is a long-term effort to replace and upgrade water mains based on age, condition, and capacity demands. CWE provided design services for new water main pipeline, encompassing approximately 2,230 lineal feet of 8-inch cast iron pipe over three project locations on Ocean Avenue, Seaside Terrace, and Olympic Drive South. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es, including traffic control plans, tie-in connections and necessary related appurtenances, water meters and laterals, air and vacuum release valve assemblies, blow-off and manual drain assemblies, and fire hydrant assemblies; utility potholing; and obtaining all necessary permits. Construction support services include: contract document interpretation and bidding assistance, reviewing and responding to Requests for Information (RFIs) and Requests for Comments (RFCs), conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. Project Cost: \$1.5 million | | |
| | (1) TITLE AND LOCATION (City and State) City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing |
| e. | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design Lead for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | | | |
|--|--|--|--|----------------|---------------------------|
| 12. NAME Lisette Bice, PE, ENV SP, QSD | 13. ROLE IN THIS CONTRACT Project Manager | 14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 14</td> <td>b. WITH CURRENT FIRM 1</td> </tr> </table> | | a. TOTAL 14 | b. WITH CURRENT FIRM 1 |
| a. TOTAL 14 | b. WITH CURRENT FIRM 1 | | | | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, California State University, Long Beach | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 83157 Envision™ Sustainability Professional Credential Qualified SWPPP Developer, 83157 | | | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Lisette Bice is an outstanding Civil Engineer with over 14 years of roadway design and repair experience, and is known for her exceptional experience in street widening, sidewalk resurface and rehabilitation, streetscape designs, parkway improvements, roadway extensions, site grading plans, and the design of sewer and storm drain systems for several public clients, including the Cities of Los Angeles, Gardena, El Monte, Torrance, Alhambra, and Culver City. She will oversee the CWE team in fulfilling the goals and objectives of this project. | | | | | |

19. RELEVANT PROJECTS


| (1) TITLE AND LOCATION (City and State) | | (2) YEAR COMPLETED | |
|---|---|----------------------------------|---|
| a. | Garvey Avenue Grade Separation Drainage Improvements El Monte, California | PROFESSIONAL SERVICES 2018 | CONSTRUCTION (if applicable) N/A |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Assistant Project Manager for improving drainage infrastructure in the City of El Monte by identifying and delineating tributary areas that contribute stormwater flow to the Garvey Avenue underpass. The project involves upgrades to the existing drainage system, including installation of new catch basins, inlets, and storm drain pipes; improvements to the existing pump station diverting the stormwater to the storm drain system; and implementation of green infrastructure initiatives to retain, reuse, or infiltrate the collected stormwater runoff. Tasks include: project management; stakeholder outreach; technical evaluations; right-of-way acquisition; obtaining regulatory permits from the USACE, RWQCB, and CDFW; preparing PS&Es; developing an O&M plan; and providing assistance with funding opportunities. CWE Fee: \$393,633. | | |
| b. | City of Torrance Crenshaw Boulevard Rehabilitation Torrance, California | PROFESSIONAL SERVICES N/A | CONSTRUCTION (if applicable) N/A |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Quality Control Manager for preparing construction documents for the roadway rehabilitation of Crenshaw Boulevard from 190th Street to 182nd Street, and intersection enhancements at I-405 Freeway southbound ramps to increase capacity. Improvements include traffic signal modifications, right-turn pockets, restriping, curb and sidewalk repairs, and ADA-compliant ramp upgrades.. | | |
| c. | US Army Corps of Engineers Dulzura Brownfield Border Patrol Station Dulzura, California | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior Engineer providing design services to the USACE Dulzura Brownfield Border Patrol Station. The ultimate design of the station includes facilities for 600 agents and 130 detainees. Tasks include: preparing Caltrans format improvement plans for the frontage road along Highway 94; designing improvement plans for the installation of the water well pump, mechanical piping, water treatment (filtration, disinfection), and electrical power/controls for the pumps; designing tank piping and valves; developing a site SWPPP; preparing on-site sanitary sewer plans for the collection of wastewater from each of the facility buildings; preparing plans for the treatment and disposal of wastewater flows; drilling a pilot test water well and checking pumping capacity (yield tests) of the groundwater aquifer. Also included testing water quality to assure potable water meets or exceeds San Diego County and State of California water quality standards. CWE Fee: \$695,258 | | |
| d. | Port of Los Angeles Avalon Boulevard and Fries Avenue Street Closures and Conceptual Street Design Los Angeles County, California | PROFESSIONAL SERVICES 2016 | CONSTRUCTION (if applicable) 2016 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design Engineer for concept design documents for the closure of Avalon Boulevard and Fries Avenue to through vehicular and pedestrian traffic to eliminate an existing at-grade rail crossing. Design plans include sidewalk, fencing, signing and striping, and utility relocations. Project stakeholders include the City of Los Angeles Bureau of Engineering, LADWP, CPUC, and Pacific Harbor Line. | | |

SECTION E

| | (1) TITLE AND LOCATION (<i>City and State</i>) | (2) YEAR COMPLETED | |
|----|---|-----------------------|---------------------------------------|
| | | PROFESSIONAL SERVICES | CONSTRUCTION (<i>if applicable</i>) |
| | City of Los Angeles Glendale-Hyperion Viaduct Complex Improvements Los Angeles, California | Ongoing | N/A |
| e. | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Manager providing bridge widening, seismic retrofit, signing and striping, storm drain improvements, water quality improvements, lighting, traffic control, paving, and grading design elements. The goal of the project is to seismically retrofit and rehabilitate an existing viaduct complex along the historic corridor of Hyperion Avenue and Glendale Boulevard. Designing an infiltration basin and bioswale, and providing a water quality evaluation. Tasks include: conducting a hydrologic and hydraulic analysis of City streets, bridges, I-5 off ramp realignment, and the proposed infiltration basin and bioswale; concept plan development; PS&E preparation; and permitting support. CWE Fee: \$91,332 | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|--|--|--|
| 12. NAME Chris Pendroy, ENV SP, CPSWQ, QSD/P | 13. ROLE IN THIS CONTRACT Senior Engineer | 14. YEARS EXPERIENCE a. TOTAL 21 b. WITH CURRENT FIRM 6 | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) MS, Civil and Environmental Engineering, University of California, Irvine BS, Civil Engineering, University of California, Irvine | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) ENVISION™ Sustainability Professional Credential Certified Professional in Storm Water Quality, 935 Qualified SWPPP Developer/Practitioner, 24503 | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Chris Pendroy is experienced in inspecting numerous CIPs in order to verify compliance with construction plans, specifications, and regulatory requirements. His expertise includes conducting field visits and job walks; completing structural calculations; managing utility coordination and research; developing improvement plans on street, water and sewer main, streetscape, and storm drain projects; and coordinating with local residents, municipalities, and staff to ensure successful project completion. | | | |
| 19. RELEVANT PROJECTS | | | |
| a. | (1) TITLE AND LOCATION (City and State) City of Los Angeles Laurel Canyon Boulevard Widening Pacoima, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | |
| | | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Construction Inspector for the design and construction management of sidewalk improvements and bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project will provide increased groundwater recharge, reduce flooding impacts, protect compatible beneficial uses, and improve the neighborhood quality of life. Designed a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project will collect stormwater runoff from a 125-acre drainage area. Currently providing pre-, during, and post-construction support for this project. Project Cost: \$2.5 million | |
| b. | (1) TITLE AND LOCATION (City and State) City of Torrance Stormwater Basin and Treatment Wetlands Enhancement Design and Construction Management Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (if applicable) 2015 | |
| | | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM This project was the recipient of awards from the APWA, CASQA, and Storm Water Solutions magazine. Construction Inspector for the design and construction management of two treatment wetlands and two infiltration basins to retain, treat, and infiltrate stormwater runoff. This project helps the City comply with the Santa Monica Bay Beaches Bacteria TMDL requirements. Construction management tasks included preparing progress reports and schedule updates, attending on-site construction management meetings with City staff, monitoring daily construction compliance, preparing daily inspection reports on City forms, providing geotechnical and testing services, performing surveying, providing landscape architecture, requesting and reviewing as-built plans showing revisions made during construction at different stages of the project, and preparing grant invoice packages. Special consideration was given to protect the burrowing owl habitat and the legless lizard. Project Cost: \$4.9 million | |
| c. | (1) TITLE AND LOCATION (City and State) City of Carson Reflections Park Carson, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 CONSTRUCTION (if applicable) 2011 | |
| | | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Provided design and construction management services for the development of a passive park to provide site amenities that encourage passive activities such as walking, reading, and resting, for the Carson Redevelopment Agency (CRA). Tasks performed included: developing a topographic survey that includes site elevations and identifies property boundaries and easements; conducting a geotechnical investigation to enable the design of various structures, including a retaining wall; providing estimates for shrinkage, shear, corrosivity, and expansions of existing soils characteristics; researching City requirements for the project site and developing a feasibility analysis of the proposed passive park to meet the needs of the CRA and comply with the City's ordinances; performing a utility search for all affected utilities in the project area, including water, electric, gas, communication, and storm drain utilities; preparing site grading and drainage plans for the site features and the construction of the park features; and developing design plans for retaining walls. CWE Fee: \$955,000 | |

SECTION E

| | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLETED | |
|----|---|-----------------------|------------------------------|
| | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| d. | Los Amigos Park Stormwater Harvesting and Direct use Santa Monica, California | 2016 | 2016 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior Engineer for the design of a demonstration project that tapped into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, rerouted stormwater and dry-weather flows from the storm drain through a vortex system into a cistern, treated the stormwater and dry-weather runoff, and delivered highly-treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources such as storm drain flows to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supplies. Tasks performed included: developing a project study report, performing a geotechnical investigation and utility search, preparing design PS&Es, obtaining regulatory approvals, public education and outreach, construction support, preparing a Sampling and Analysis Plan, assisting the City in report preparation, and designing educational signage.. CWE Fee: \$195,453 | | |
| e. | Garvanza Park Rainwater Capture and Use Los Angeles County, California | 2011 | 2011 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior Engineer responsible for assisting LA Sanitation – City of Los Angeles and North East Trees to determine the feasibility of retrofitting Garvanza Park with subregional stormwater management BMPs to enhance urban and stormwater runoff water quality from an 85-acre watershed for Total Maximum Daily Load (TMDL) compliance. Managed the design of a drainage system to route runoff from an existing 48-inch Reinforced Concrete Pipe (RCP) storm drain into a pretreatment BMP system consisting of a designed pump station, hydrodynamic separator and settling basin, one water tight subsurface detention gallery, and one subsurface-infiltration gallery for onsite landscape irrigation use and infiltration, Supervisory Control and Data Acquisition (SCADA), and inline monitoring systems. Delineated and characterized the tributary watershed to conduct a hydrologic and hydraulic analysis, and performed a pollutant load removal analysis for the proposed structural treatment controls. Managed tasks involving utility research, topographic ground surveying, potholing, a geotechnical analysis, including onsite infiltration testing, and shoring analysis. Delivered Plans, Specifications, and Estimates (PS&E) construction documents and assisted with the bid process. Managed construction administration duties, including construction inspection and material testing. Managed post-construction water quality monitoring to assess BMP function and effectiveness, which proved the project is showing tangible results in terms of TMDL compliance. Worked with stakeholders to identify concerns prior to and during construction. CWE Fee: \$402,765 | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | | | |
|---|---|---|--|---------------|---------------------------|
| 12. NAME Katie Harrel, PE, ENV SP, QSD | 13. ROLE IN THIS CONTRACT Senior Engineer | 14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 7</td> <td>b. WITH CURRENT FIRM 7</td> </tr> </table> | | a. TOTAL 7 | b. WITH CURRENT FIRM 7 |
| a. TOTAL 7 | b. WITH CURRENT FIRM 7 | | | | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | | | |
| 16. EDUCATION (Degree and Specialization) BS Civil Engineering California State University, Long Beach | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 85752 ENVISION™ Sustainability Professional Credential Qualified SWPPP Developer | | | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Katie Harrel is a talented Civil Engineer with extensive experience in the design, management and feasibility assessment of award-winning projects. She is currently playing a key role on the City of Beverly Hills Burton Way Median Green Street project and also served as Project Engineer for the City of Santa Monica Los Amigos Stormwater Runoff Harvesting and Direct Use Demonstration project. Katie was recently recognized by the Civil + Structural Engineer magazine as a 2018 "Rising Star," and in 2015, Katie was honored by the OCEC with a Young Engineer Award to recognize her extraordinary accomplishments, as well as recognized as a "Rising Star" by Storm Water Solutions magazine. | | | | | |

19. RELEVANT PROJECTS

| (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLETED | |
|---|----------------------------------|---|
| Garvanza Park Rainwater Capture and Use Los Angeles County, California | PROFESSIONAL SERVICES 2011 | CONSTRUCTION (if applicable) 2011 |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Staff Engineer responsible for assisting LA Sanitation – City of Los Angeles and North East Trees to determine the feasibility of retrofitting Garvanza Park with subregional stormwater management BMPs to enhance urban and stormwater runoff water quality from an 85-acre watershed for Total Maximum Daily Load (TMDL) compliance. Managed the design of a drainage system to route runoff from an existing 48-inch Reinforced Concrete Pipe (RCP) storm drain into a pretreatment BMP system consisting of a designed pump station, hydrodynamic separator and settling basin, one water tight subsurface detention gallery, and one subsurface-infiltration gallery for onsite landscape irrigation use and infiltration, Supervisory Control and Data Acquisition (SCADA), and inline monitoring systems. Delineated and characterized the tributary watershed to conduct a hydrologic and hydraulic analysis, and performed a pollutant load removal analysis for the proposed structural treatment controls. Managed tasks involving utility research, topographic ground surveying, potholing, a geotechnical analysis, including onsite infiltration testing, and shoring analysis. Delivered Plans, Specifications, and Estimates (PS&E) construction documents and assisted with the bid process. Managed construction administration duties, including construction inspection and material testing. Managed post-construction water quality monitoring to assess BMP function and effectiveness, which proved the project is showing tangible results in terms of TMDL compliance. Worked with stakeholders to identify concerns prior to and during construction. CWE Fee: \$402,765. | | |
| City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior Engineer for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | |

SECTION E

| | | | |
|----|---|----------------------------------|--------------------------------------|
| c. | (1) TITLE AND LOCATION (City and State) Los Amigos Park Stormwater Harvesting and Direct use Santa Monica, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2016 | CONSTRUCTION (if applicable) 2016 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design of a demonstration project that tapped into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, rerouted stormwater and dry-weather flows from the storm drain through a vortex system into a cistern, treated the stormwater and dry-weather runoff, and delivered highly-treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources such as storm drain flows to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supplies. Tasks performed included: developing a project study report, performing a geotechnical investigation and utility search, preparing design PS&Es, obtaining regulatory approvals, public education and outreach, construction support, preparing a Sampling and Analysis Plan, assisting the City in report preparation, and designing educational signage.. CWE Fee: \$195,453 | | |
| d. | (1) TITLE AND LOCATION (City and State) City of Burbank Johnny Carson Park Improvement and Stream Restoration Burbank, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2016 | CONSTRUCTION (if applicable) 2016 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Staff Engineer for civil design services for park improvements and the restoration of an urban stream through the 7-acre Johnny Carson Park in the City of Burbank. Tasks completed included surveying, conducting HEC-RAS hydraulic modeling, preparing PS&Es for grading, drainage, access road enhancements, retaining walls, and walking trails, and conducting a bridge assessment. The design of the restored stream removed a concrete low-flow channel and constricting bridge abutments and added rip-rap drop structures and riparian vegetation to provide scour protection. The restored stream provides improved flow velocities, riparian habitat, and aesthetic properties to the urban stream. CWE Fee: \$85,000 | | |
| e. | (1) TITLE AND LOCATION (City and State) Los Angeles County Department of Parks and Recreation Earvin Magic Johnson Park Los Angeles County, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) N/A |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Staff Engineer for a utility search for Earvin Magic Johnson Park and Ujima Village, a neighborhood near the park. The utility search was conducted to identify existing drainage facilities so that they may be considered in the hydrology report. The hydrology report is required for assessing the environmental impact of construction at the Park and to develop project concepts in the future. The Earvin Magic Johnson Park is a facility which serves a portion of the greater Los Angeles Area which has limited park facilities. The County of Los Angeles Department of Parks and Recreation plans to renovate the facility. The renovation includes improvements to the Ujima Village area, which has been designated as a remediation site due to volatile organic compounds. The project required an environmental impacts study prior to selection of the preferred improvements. CWE provided topographic surveys, utility search and mapping, and hydrologic analysis of the 113 acre park. CWE Fee: \$214,368 | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|---|--|
| 12. NAME Mike Nguyen | 13. ROLE IN THIS CONTRACT Project Engineer | 14. YEARS EXPERIENCE a. TOTAL 14 b. WITH CURRENT FIRM 4 | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, California State Polytechnic University, Pomona | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mike Nguyen has 14 years of civil engineering experience with design, public works construction, and land development projects. His recent experience includes design for infiltration and LFD projects, as well as PS&Es and traffic control plan preparation for public works projects, including green street, sidewalk, water supply, park, and median improvement projects. Mike has significant design experience in the following areas: LID; geometric layout; grading and drainage; precise grading plan preparation for commercial development projects; roadway and highway design; and pavement rehabilitation. | | | |
| 19. RELEVANT PROJECTS | | | |
| (1) TITLE AND LOCATION (City and State) City of Torrance North Well Field Phase II Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if applicable) 2016 | | |
| a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for design services provided to the City of Torrance for the North Torrance Well Field Phase II project to upgrade their domestic water system. The project included well numbers 9 and 11, an access road, utilities, a three-million-gallon water tank, and a booster pump station at the Yukon site, located west of Yukon Elementary School in North Torrance. Phase I of the North Torrance Well Field project was recently completed. The Phase II design provided the City with final PS&Es for water and storm drain piping south of I-405 and connected to the existing City water and County storm drain systems near West 182nd Street. The Phase II design included the water main from the City's Well Number 9 situated in McMaster Park, south in Yukon Avenue to an existing connection in front of Yukon Elementary School. In addition to the water line, this project included a 48-inch overflow/storm drain to be installed under I-405 and connect to the existing County storm drain near West 182nd Street. Tasks included: design for jack-and-bore installation of 48-inch diameter steel casing for 30-inch diameter concrete storm drain pipe; data gathering; utility research, including potholing; permit processing for Caltrans and the LACFCD; obtaining DSA approvals; performing a design survey and hydraulic analysis; preparing PS&Es; and providing bid and construction support. CWE Fee: \$81,018 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| b. (1) TITLE AND LOCATION (City and State) Laurel Canyon Boulevard Green Street Pacoima, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. Project Cost: \$504,203 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| (1) TITLE AND LOCATION (City and State) City of Santa Monica Ocean Avenue Resurfacing Santa Monica, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer providing design services for the resurfacing of Ocean Avenue from Moomat Ahiko Way to Pico Boulevard. This project was incorporated with the replacement and upgrades of existing water mains along Ocean Avenue as part of the City's replacement program. CWE provided design services for street resurfacing, water main replacement, and traffic control, encompassing approximately 2,230 lineal feet along Ocean Avenue, Seaside Terrace, and Olympic Drive South. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es, including roadway resurfacing and details, traffic control plans, and water main replacement plans; utility potholing; coordination with the City and local businesses along Ocean Avenue for the phased construction; and obtaining all necessary permits. Construction support services included: contract document interpretation and bidding assistance, reviewing and responding to Requests for Information (RFIs) and Requests for Comments (RFCs), conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. CWE Fee: \$97,543 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |

SECTION E

| | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLETED | |
|----|---|-----------------------|------------------------------|
| | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| d. | Los Amigos Park Stormwater Harvesting and Direct use Santa Monica, California | 2016 | 2016 |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the design of a demonstration project that tapped into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, rerouted stormwater and dry-weather flows from the storm drain through a vortex system into a cistern, treated the stormwater and dry-weather runoff, and delivered highly-treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources such as storm drain flows to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supplies. Tasks performed included: developing a project study report, performing a geotechnical investigation and utility search, preparing design PS&Es, obtaining regulatory approvals, public education and outreach, construction support, preparing a Sampling and Analysis Plan, assisting the City in report preparation, and designing educational signage.. CWE Fee: \$195,453 | | |
| e. | City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | Ongoing | Ongoing |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | | | | | |
|--|--|--|--|-----------------------|------------------------------|---------|---------|
| 12. NAME Steven Bell, PE, QSD | 13. ROLE IN THIS CONTRACT Senior Engineer | 14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>11</td> <td>2</td> </tr> </table> | | a. TOTAL | b. WITH CURRENT FIRM | 11 | 2 |
| a. TOTAL | b. WITH CURRENT FIRM | | | | | | |
| 11 | 2 | | | | | | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | | | | | |
| 16. EDUCATION (Degree and Specialization) MS, Civil Engineering, University of Oklahoma BS, Civil Engineering, University of Oklahoma | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 81531 Civil Engineer, OK, 24571 Qualified SWPPP Developer, C81531 | | | | | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Steven Bell is a professional civil engineer and a Qualified SWPPP Developer (QSD) with 11 years of specialized experience in stormwater BMP projects. He has successfully provided project management, performed data collection, erosion control plans, project-specific construction plans, and prepared technical reports on behalf of private, state, local, and tribal clients to achieve compliance with regulations. Steven has developed SWPPPs for municipal roadway projects, for commercial site developments, and for development of single family residential neighborhoods in compliance with state and local regulation. | | | | | | | |
| 19. RELEVANT PROJECTS | | | | | | | |
| (1) TITLE AND LOCATION (City and State) Los Angeles County Department of Parks and Recreation Earvin Magic Johnson Park Los Angeles County, California | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>Ongoing</td> <td>N/A</td> </tr> </table> | | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | Ongoing | N/A |
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | | | | | | |
| Ongoing | N/A | | | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM a. Staff Engineer for a utility search for Earvin Magic Johnson Park and Ujima Village, a neighborhood near the park. The utility search was conducted to identify existing drainage facilities so that they may be considered in the hydrology report. The hydrology report is required for assessing the environmental impact of construction at the Park and to develop project concepts in the future. The Earvin Magic Johnson Park is a facility which serves a portion of the greater Los Angeles Area which has limited park facilities. The County of Los Angeles Department of Parks and Recreation plans to renovate the facility. The renovation includes improvements to the Ujima Village area, which has been designated as a remediation site due to volatile organic compounds. The project required an environmental impacts study prior to selection of the preferred improvements. CWE provided topographic surveys, utility search and mapping, and hydrologic analysis of the 113 acre park. CWE Fee: \$214,368. | | | | | | | |
| (1) TITLE AND LOCATION (City and State) City of Santa Monica Annual Water Main Replacement Program Santa Monica, California | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>Ongoing</td> <td>N/A</td> </tr> </table> | | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | Ongoing | N/A |
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | | | | | | |
| Ongoing | N/A | | | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM b. Project Engineer for the replacement and upgrades of existing water mains at three sites in the City of Santa Monica for the City's Annual Water Main Replacement Program. Provided design services for new water main pipeline, encompassing approximately 2,230 lineal feet of 8-inch cast iron pipe over three project locations. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es including traffic control plans, tie-in connections and necessary related appurtenances, water meters and laterals, air and vacuum release valve assemblies, blow-off and manual drain assemblies, and fire hydrant assemblies; utility potholing; and obtaining all necessary permits. Construction support services included: contract document interpretation and bidding assistance, reviewing and responding to RFIs and RFCs, conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. CWE Fee: \$97,543 | | | | | | | |
| (1) TITLE AND LOCATION (City and State) Foothill Boulevard Master Plan Implementation Claremont, California | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>2017</td> <td>Ongoing</td> </tr> </table> | | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | 2017 | Ongoing |
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | | | | | | |
| 2017 | Ongoing | | | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM c. Senior Engineer for hydrology and hydraulic analyses services, design of storm drains, bioswales, and water quality systems and structures to meet LID Plan requirements. The project includes the design and engineering of all improvements contained in the Foothill Boulevard Master Plan, which includes minor roadway and intersection improvements, pedestrian improvements at intersections that include bulb-outs and median refuge islands at five intersections, restriping, infill sidewalks, minor lighting improvements, bicycle lanes and protected bicycle lanes, removal of turf and installing drought-tolerant landscaping in medians and some parkway areas, bioswales, stormwater percolation devices, and an 850-foot-long section of new storm drain. The Master Plan spreads the improvements out over three phases and the project plans are to include all three phases. Tasks include: a hydrology/hydraulic study, preparing SWPPP and stormwater permit/planning documents, developing project plans for bioswales and storm drains, developing a construction and maintenance budget and project specifications for drainage features, preparing PS&Es, responding to RFIs related to design, conducting field visits, preparing as-built drawings, and making plan revisions. CWE Fee: \$276,844 | | | | | | | |


SECTION E

| | | | | | |
|----------------------------------|---|--|--|----------------------------------|---|
| | (1) TITLE AND LOCATION (City and State) City of Torrance Walnut Stormwater Capture and Groundwater Replenishment Basin Torrance, California | (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="987 216 1240 317">PROFESSIONAL SERVICES Ongoing</td> <td data-bbox="1240 216 1515 317">CONSTRUCTION (if applicable) Ongoing</td> </tr> </table> | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing |
| PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (if applicable) Ongoing | | | | |
| d. | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design Lead for a stormwater capture project that will divert water from a LACFCD storm drain back into the existing Walnut Basin in the City of Torrance. This project is one of three approved by the RWQCB as part of the City's Machado Lake EWMP, and will improve the storm drain system capacity, increase local water supplies, reduce energy consumption, and provide for habitat restoration upon completion. Other tasks include project management; providing a geotechnical report; performing a topographic survey; utility research, potholing, and coordination; developing design PS&Es; obtaining required permits, conducting a phenology study; and developing a habitat restoration plan... CWE Fee: \$656,305 | | | | |
| | (1) TITLE AND LOCATION (City and State) Garvey Avenue Grade Separation Drainage Improvements El Monte, California | (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="987 537 1240 827">PROFESSIONAL SERVICES 2018</td> <td data-bbox="1240 537 1515 827">CONSTRUCTION (if applicable) N/A</td> </tr> </table> | | PROFESSIONAL SERVICES 2018 | CONSTRUCTION (if applicable) N/A |
| PROFESSIONAL SERVICES 2018 | CONSTRUCTION (if applicable) N/A | | | | |
| e. | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior Engineer for improving drainage infrastructure in the City of El Monte by identifying and delineating tributary areas that contribute stormwater flow to the Garvey Avenue underpass. The project involves upgrades to the existing drainage system, including installation of new catch basins, inlets, and storm drain pipes; improvements to the existing pump station diverting the stormwater to the storm drain system; and implementation of green infrastructure initiatives to retain, reuse, or infiltrate the collected stormwater runoff. Tasks include: project management; stakeholder outreach; technical evaluations; right-of-way acquisition; obtaining regulatory permits from the USACE, RWQCB, and CDFW; preparing PS&Es; developing an O&M plan; and providing assistance with funding opportunities. CWE Fee: \$393,633 | | | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|--|--|
| 12. NAME Tammy Takigawa | 13. ROLE IN THIS CONTRACT Staff Engineer | 14. YEARS EXPERIENCE a. TOTAL 3 b. WITH CURRENT FIRM 3 | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, California State University, Long Beach | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineer-in-Training, 154975 ENVISION™ Sustainability Professional Credential | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Tammy Takigawa is certified as an EIT and currently assisting licensed staff with water resources, civil design, stormwater management, and water quality monitoring projects. She has conducted thorough research on several projects for local municipalities, which involved compiling data and records related to utilities, hydrology and hydraulics, existing facility plans, and water quality. Her duties include water quality monitoring, drafting and revising plans, technical report writing, and field investigations. Additional experience includes BMP design, LID planning and implementation, permitting, monitoring, and stormwater compliance. | | | |
| 19. RELEVANT PROJECTS | | | |
| (1) TITLE AND LOCATION (City and State) City of Torrance North Well Field Phase II Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if applicable) 2016 | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Staff Engineer for design services provided to the City of Torrance for the North Torrance Well Field Phase II project to upgrade their domestic water system. The project included well numbers 9 and 11, an access road, utilities, a three-million-gallon water tank, and a booster pump station at the Yukon site, located west of Yukon Elementary School in North Torrance. Phase I of the North Torrance Well Field project was recently completed. The Phase II design provided the City with final PS&Es for water and storm drain piping south of I-405 and connected to the existing City water and County storm drain systems near West 182nd Street. The Phase II design included the water main from the City's Well Number 9 situated in McMaster Park, south in Yukon Avenue to an existing connection in front of Yukon Elementary School. In addition to the water line, this project included a 48-inch overflow/storm drain to be installed under I-405 and connect to the existing County storm drain near West 182nd Street. Tasks included: design for jack-and-bore installation of 48-inch diameter steel casing for 30-inch diameter concrete storm drain pipe; data gathering; utility research, including potholing; permit processing for Caltrans and the LACFCD; obtaining DSA approvals; performing a design survey and hydraulic analysis; preparing PS&Es; and providing bid and construction support. CWE Fee: \$81,018</p> </div> <div style="width: 35%; text-align: right;"> <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM </div> </div> | | | |
| (1) TITLE AND LOCATION (City and State) Laurel Canyon Boulevard Green Street San Bernardino National Forest, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Staff Engineer for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. Project Cost: \$504,203</p> </div> <div style="width: 35%; text-align: right;"> <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM </div> </div> | | | |
| (1) TITLE AND LOCATION (City and State) City of Santa Monica Ocean Avenue Resurfacing Santa Monica, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Staff Engineer providing design services for the resurfacing of Ocean Avenue from Moomat Ahiko Way to Pico Boulevard. This project was incorporated with the replacement and upgrades of existing water mains along Ocean Avenue as part of the City's replacement program. CWE provided design services for street resurfacing, water main replacement, and traffic control, encompassing approximately 2,230 lineal feet along Ocean Avenue, Seaside Terrace, and Olympic Drive South. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es, including roadway resurfacing and details, traffic control plans, and water main replacement plans; utility potholing; coordination with the City and local businesses along Ocean Avenue for the phased construction; and obtaining all necessary permits. Construction support services included: contract document interpretation and bidding assistance, reviewing and responding to Requests for Information (RFIs) and Requests for Comments (RFCs), conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. CWE Fee: \$97,543</p> </div> <div style="width: 35%; text-align: right;"> <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM </div> </div> | | | |

SECTION E

| | | | |
|----|--|----------------------------------|--|
| d. | (1) TITLE AND LOCATION (<i>City and State</i>) Los Amigos Park Stormwater Harvesting and Direct use Santa Monica, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2016 | CONSTRUCTION (<i>if applicable</i>) 2016 |
| | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Staff Engineer for the design of a demonstration project that tapped into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, rerouted stormwater and dry-weather flows from the storm drain through a vortex system into a cistern, treated the stormwater and dry-weather runoff, and delivered highly-treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources such as storm drain flows to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supplies. Tasks performed included: developing a project study report, performing a geotechnical investigation and utility search, preparing design PS&Es, obtaining regulatory approvals, public education and outreach, construction support, preparing a Sampling and Analysis Plan, assisting the City in report preparation, and designing educational signage.. CWE Fee: \$195,453 | | |
| e. | (1) TITLE AND LOCATION (<i>City and State</i>) City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing |
| | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Staff Engineer for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | |

SECTION F

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

1

21. TITLE AND LOCATION (City and State)

Garvanza Park Rainwater Capture and Use
Los Angeles, California

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2010

CONSTRUCTION (if applicable)

2011

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

LA Sanitation - City of Los Angeles

b. POINT OF CONTACT NAME

Wing Tam, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(213) 485-3985

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)

This project was the recipient of the prestigious California Stormwater Quality Association (CASQA) 2012 Outstanding Best Management Practice (BMP) Implementation Project Award. Located in a highly developed neighborhood in Northeast Los Angeles, Garvanza Park was retrofitted in an effort to enhance the water quality of runoff from an 85-acre watershed. CWE assisted LA Sanitation, City of Los Angeles and North East Trees (a non-profit organization) by conducting a comprehensive study and design analysis to determine the feasibility of rerouting urban and stormwater runoff from an existing 48-inch reinforced concrete storm drain pipe into a pretreatment BMP system consisting of a hydrodynamic separator and settling basin, and two subsurface detention-infiltration galleries for onsite infiltration and landscape irrigation use. Investigative and engineering design services included assessing the existing storm drain, performing a drainage analysis, delineating and characterizing the tributary watershed, performing hydrologic and hydraulic calculations, hydraulic modeling, preparing a comprehensive project feasibility report summarizing hydrology study findings and anticipated pollutant loads to be treated, performing a topographic ground survey, conducting a utility search, supervising a geotechnical analysis and percolation/infiltration testing, developing preliminary conceptual sketches, designing stormwater treatment BMP infrastructure based on flows, storm drain modification, grading, drainage, and erosion control plans, earthwork calculations, and preparing a Construction Stormwater Pollution Prevention Plan (SWPPP). Tasks also included the mechanical, electrical, and plumbing design of the irrigation use pumping system. CWE also provided construction administration services, including supervision and inspections during the project's construction phase.



CWE Project Cost: \$402,765

"CWE demonstrated exceptional project management and civil engineering design expertise on the Garvanza Park Rainwater Capture and Use Project. They effectively completed plans, specifications, and estimates (PS&Es) for this complex system on a compressed schedule and met all project and grant funding timelines and requirements. The PS&Es delivered were of outstanding quality and minimized the need for construction change orders. CWE's Project Manager, Vik Bapna, was very knowledgeable and had a firm handle on all aspects of the project. The innovative approaches designed into this project resulted in the project winning the prestigious 2012 CASQA Outstanding Stormwater BMP Implementation Project Award. I strongly recommend using Vik Bapna and CWE for any civil engineering projects you may be considering."

– Wing Tam, PE, Assistant Division Manager
LA Sanitation – City of Los Angeles

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT


a.

(1) FIRM NAME
CWE


(2) FIRM LOCATION (City and State)
Fullerton, California

(3) ROLE
Prime Consultant

SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER | |
|---|--------------------------|---|------------------------------|
| Los Amigos Park Stormwater Harvesting and Direct Use Santa Monica, California | | 2 | |
| 21. TITLE AND LOCATION (City and State) | | 22. YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2014 CONSTRUCTION (If applicable) 2016 | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER | b. POINT OF CONTACT NAME | c. POINT OF CONTACT TELEPHONE NUMBER | |
| City of Santa Monica | Allan Sheth, PE | 310-458-8732 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> | | | |
| <p>This project was the recipient of the 2017 California Stormwater Quality Association (CASQA) Outstanding Stormwater Sustainability Project, ASCE Outstanding Small Project, and the Storm Water Solutions Top Stormwater and Erosion Control Project Awards.</p> <p>CWE designed a demonstration project that taps into an existing storm drain line running along a school athletic field and the City of Santa Monica's Los Amigos Park, routes stormwater and dry-weather flows from the storm drain through a vortex system using a diversion structure into a subsurface water-tight cistern, treats the stormwater and dry-weather runoff with an Ultraviolet (UV) treatment system, and delivers highly treated water to the park irrigation system and indoor plumbing for toilet flushing. The project's purpose was to demonstrate the feasibility of harvesting local water resources, including storm drain flows, to decrease potable water use, reduce polluted urban runoff discharge to the receiving water body, and protect the future of California's water supply. CWE designed a UV treatment train system that treats approximately 80 gallons per minute (gpm). A jack-and-bore approach was also designed and implemented to reduce construction disturbance within the street. Tasks included: developing a project study report; conducting a geotechnical investigation and utility search; preparing Plans, Specifications, and Estimates (PS&Es); coordinating with the Los Angeles County Flood Control District (LACFCD); obtaining regulatory approvals from the California Coastal Commission (CCC), Department of State Architect (DSA), and the Los Angeles County Department of Public Health (DPH); performing public education and outreach; providing construction support; preparing a Sampling and Analysis Plan (SAP); assisting the City with report preparation; and designing educational signage.</p> | | | |
|  | | | |
| Project Cost: \$2,000,000 | | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION (City and State) Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |

SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER | |
|---|---|---|-------------------------------------|
| 21. TITLE AND LOCATION <i>(City and State)</i> Earvin Magic Johnson Park County of Los Angeles, California | | 22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If applicable)</i> | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER Los Angeles County Community Development Commission | b. POINT OF CONTACT NAME Jeffrey Biben | c. POINT OF CONTACT TELEPHONE NUMBER 626-586-1773 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> <div style="display: flex;"> <div style="flex: 1;"> <p>CWE is providing conceptual design, schematic design, design development, construction documents and administration, plan checks, bidding, and as-built drawings for improvements to Earvin Magic Johnson Park and Ujima Village. The Earvin Magic Johnson Park is a facility that serves a portion of the greater Los Angeles area with limited park facilities. The Los Angeles County Department of Parks and Recreation (LACDPR) plans to renovate the facility. The Phase 1 renovation includes improvements to south lake area, including the addition of a community center, a splash pad, playground facilities, and use of stormwater for irrigation and lake water replenishment. CWE conducted a water and sewer study to assess the feasibility of bringing potable water from the existing water line, adding a line for fire hydrants, and delivering waste water to the existing sewer system. CWE also conducted topographic surveys, hydrology study and drainage analysis, grading, utility search, and topographic mapping of the 113-acre park.</p> <p>Project Cost: \$214,368</p> </div> <div style="flex: 1;">  </div> </div> | | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION <i>(City and State)</i> Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 4 | |
|--|----------------------|---|------------------------------|
| 21. TITLE AND LOCATION <i>(City and State)</i> North Well Field Phase II Torrance, California | | 22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION <i>(if applicable)</i> 2016 | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER City of Torrance | | b. POINT OF CONTACT NAME John Dettle, PE c. POINT OF CONTACT TELEPHONE NUMBER 310-618-3059 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> | | | |
| <p>CWE provided design services to the City of Torrance to upgrade their domestic water system. The project included well numbers 9 and 11, an access road, utilities, a three million-gallon water tank, and a booster pump station at the Yukon site located west of Yukon Elementary School in north Torrance. The Phase II design provided the City with final Plans, Specifications, and Estimates (PS&Es) for water and storm drain piping south of I-405 and connected to the existing City water and County storm drain systems near West 182nd Street. The Phase II design included the water main from the City's Well Number 9 situated in McMaster Park, south in Yukon Avenue to an existing connection in front of Yukon Elementary School. In addition to the water line, this project included a 48-inch overflow/storm drain to be installed under I-405 and connect to the existing County storm drain near West 182nd Street. Tasks included: design for jack-and-bore installation of 48-inch-diameter steel casing for 30-inch diameter concrete storm drain pipe; data gathering; utility research, including potholing; permit processing for the California Department of Transportation (Caltrans) and Los Angeles County Flood Control District (LACFCD); performing a design survey and hydraulic analysis; and preparing PS&Es. CWE also provided bid and construction support for this project.</p> <p>CWE Project Fee: \$81,018</p> | |  | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION <i>(City and State)</i> Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |



City of Commerce

Statement of Qualification for Various On-call Professional Services

B. Mandatory Requirements



GENERAL CIVIL ENGINEERING

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: Vik Bapna

Position/Title of Registered Principal: Principal

Professional License Type: CA Registered Civil Engineer License No.: 52060



STREET IMPROVEMENT ENGINEERING

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



TRAFFIC ENGINEERING

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Traffic Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



INFRASTRUCTURE ENGINEERING

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

Creating a better tomorrow, today.™





City of Commerce

Statement of Qualification for Various On-call Professional Services

☐

ARCHITECTURAL DESIGN

Only open to firms where a principal of the firm is a State of California registered **Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

LANDSCAPE ARCHITECTURE

Only open to firms where a principal of the firm is a State of California registered **Landscape Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

GEOTECHNICAL

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Geotechnical Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

SURVEYING

Only open to firms where a principal of the firm is a State of California registered **Land Surveyor or pre-1982 Registered Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



City of Commerce

Statement of Qualification for Various On-call Professional Services



CONSTRUCTION MANAGEMENT AND INSPECTION

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: Vik Bapna

Position/Title of Registered Principal: Principal

Professional License Type: CA Registered Civil Engineer License No.: 52060



PARK PLANNING AND DESIGN

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Landscape Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



STRUCTURAL ENGINEERING

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Structural Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



BUILDING AND FACILITIES ASSESSMENT AND DESIGN

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer, Mechanical Engineer, Structural Engineer, or Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



City of Commerce

Statement of Qualification for Various On-call Professional Services

☐ **REAL ESTATE / RIGHT-OF-WAY (open to all qualified firms)**

☐ **CIVIL PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **BUILDING AND TENANT IMPROVEMENTS PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer, Structural Engineer, or Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **LANDSCAPE ARCHITECTURE PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Landscape Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **PLANNING (open to all qualified firms)**

☐ **ENVIRONMENTAL SCIENCE, CEQA, ANALYSIS AND ASSESSMENT, AND REGULATORY COMPLIANCE (open to all qualified firms)**

☐ **STAFF AUGMENTATION (open to all qualified firms)**

PLEASE REVIEW THE FOLLOWING AND SIGN BELOW:

The applicant firm submitting this Statement of Qualifications (SOQ) does hereby affirm that:

- 1) The firm has a local office in Southern California,
- 2) A majority of any awarded work will be performed locally,
- 3) The firm will have a Project Manager, agreeable to the City, available at the firm's local office during the term of any contract with the City,
- 4) The local office representative is authorized to legally execute all contracts with the City,



City of Commerce

Statement of Qualification for Various On-call Professional Services

- 5) The firm is capable of providing the services in the Service Area checked above, including signing and sealing construction documents for permit, and
- 6) The firm will execute the City's standard contract and ownership/principals disclosure form as attached to the SOQ Application Packet, without amendment.

I declare under penalty of perjury that this application is complete, current and accurate as of the date below, and that I will advise the City of Commerce of any changes in writing, including personnel changes if such changes affect the firm's ability to provide required services, prior to negotiating or proposing any services, and that I am legally authorized by the applicant firm to execute contracts with the City.

Vik Bapna, Principal
Name, Title

CWE
Firm Name

VBapna
Signature

February 22, 2019
Date



City of Commerce

Statement of Qualification for Various On-call Professional Services

C. Supplemental Information

1) Software experience, proficiency and usage by the personnel at your local office:

Considering both the percentage of your staff using the software and their individual depth of experience and expertise in its use, how would you rate your office's capability in utilizing the following software packages (place an "X" in the most appropriate column)?

| | Highly Proficient | Somewhat Proficient | Don't Use |
|--|----------------------|------------------------|--------------|
| a. AutoCAD | X | | |
| b. Microsoft Project | X | | |
| c. Geographical Information Systems (GIS)..... | X | | |
| d. Microsoft Word..... | X | | |
| e. Microsoft Excel..... | X | | |
| f. Microsoft PowerPoint..... | X | | |
| g. Microsoft Access..... | X | | |
| h. Federal Grant Contract Administration | X | | |
| i. State Grant Contract Administration..... | X | | |
| j. Local Grant Contract Administration | | X | |

2) Disadvantaged Business Enterprise (DBE) Certification:

The CITY has established a "Disadvantaged Business Enterprise" or "DBE" goal of 7.85% for this RFQ. If your firm is DBE certified, please indicate below:

DBE Certified: X YES NO



City of Commerce

Statement of Qualification for Various On-call Professional Services

D. Project Management Approach

CWE implements project management through a combination of administrative steps and procedures to assure project scope and objectives are met on time and within budget. Project management elements are characterized by frequent communication with clients, project team coordination, decision documentation, and multi-step quality control. CWE will work with the project team to determine the best approaches to communication, working through design concerns, and providing timely responses. CWE has used this management program with great success on many projects of similar complexity and size. CWE has received numerous letters of commendation from satisfied clients attesting to the success of our project management program. Copies of these letters can be furnished upon request.



D.1 Coordination

The CWE Project Manager will coordinate team activities and keep the City informed of important progress and transmittals. We have found that a critical key to successful project completion is maintaining communication with the client to discuss progress, identify problems, assign priorities, implement solutions, and accept feedback. Coordination, coupled with progress meetings, avoids delays and ensures that projects are completed on schedule and within budget. We will communicate with the City as frequently as necessary to ensure that efforts for the project are coordinated and moving forward on schedule. Resolving concerns and questions as quickly as possible will keep the project on schedule.

D.2 Project Scheduling

The Project Manager will develop and use comprehensive project schedules to regularly monitor progress and upcoming work items. This has proven successful in keeping track of forthcoming critical issues and decisions. The Project Manager will keep the City apprised of planned work, project progress, and deliverables. The Project Manager will notify the City of any critical issues and changes in the anticipated project progress and delivery of key tasks.

D.3 Budget Control

Two methods for maintaining budgetary control are frequent project accomplishment evaluations and periodic project expenditure monitoring. The CWE Project Manager will regularly evaluate the project



City of Commerce

Statement of Qualification for Various On-call Professional Services

scope of work and the City's objectives to monitor and identify changes that may affect project costs. This approach has proven successful in reducing client costs and developing a clear time schedule for project delivery. CWE recognizes the need for project budget and progress tracking in order to minimize the risk of cost overruns or project deficiencies. Each week, our Project Manager reviews the task charges to ensure accuracy. Each month, our Project Manager receives project summary reports detailing hours charged and costs for that particular period and for the project to date. Our monthly invoices include hours and costs charged to the job for that month, and a summary that shows the amount spent to date and the budget remaining. They are accompanied by a project status report that shows tasks worked on for the month, their percent complete, and critical items for the tasks that remain to be resolved. Regular communication with City staff is always a high priority for the CWE Project Manager to ensure surprises do not occur on the project.

D.4 Quality Assurance

CWE is responsible for delivering accurate and complete work products, and will fulfill that responsibility through Quality Assurance Program implementation. Our Quality Assurance Program ensures that quality work products and services are delivered to our clients on a consistent basis. The Quality Assurance Program will be implemented and maintained throughout the contract duration on a task-by-task basis. This plan will establish the necessary processes to accomplish the following:



- The project is undertaken in accordance with good engineering practices that address all requirements;
- The documents, maps, models, reports, and other deliverables submitted to the City are independently checked and back-checked;
- A Document Control System is developed and maintained; and
- Coordination is closely monitored.

The assigned QA/QC Manager will be responsible for performing quality control checks and managing the independent peer review process of completed deliverables.



City of Commerce

Statement of Qualification for Various On-call Professional Services

E. Caltrans Forms

All Caltrans forms will be provided along with the two (2) copies of the original signed agreement, once received from the City.

Creating a better tomorrow, today.™





Rates

| <u>Engineer/Scientist</u> | <u>2019 Rate/Hour</u> | <u>2020 Rate/Hour</u> | <u>2021 Rate/Hour</u> | <u>2022 Rate/Hour</u> |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Principal | \$247 | \$257 | \$267 | \$278 |
| Senior Project Manager | \$243 | \$253 | \$263 | \$274 |
| Project Manager | \$212 | \$220 | \$229 | \$238 |
| Technical Manager | \$209 | \$217 | \$226 | \$235 |
| Task Leader | \$185 | \$192 | \$200 | \$208 |
| Principal Engineer | \$180 | \$187 | \$194 | \$202 |
| Senior Engineer | \$171 | \$178 | \$185 | \$192 |
| Project Engineer | \$149 | \$155 | \$161 | \$167 |
| Staff Engineer | \$125 | \$130 | \$135 | \$140 |
| Assistant Engineer | \$101 | \$105 | \$109 | \$113 |
| Senior Environ. Scientist | \$152 | \$158 | \$164 | \$171 |
| Environmental Scientist | \$127 | \$132 | \$137 | \$142 |
| Environmental Analyst | \$94 | \$98 | \$102 | \$106 |

Construction Services

| | | | | |
|-------------------------------|-------|-------|-------|-------|
| Construction Manager | \$174 | \$181 | \$188 | \$196 |
| Senior Construction Inspector | \$133 | \$138 | \$144 | \$150 |
| Construction Inspector | \$117 | \$122 | \$127 | \$132 |

Field Survey

| | | | | |
|----------------------|-------|-------|-------|-------|
| Licensed Surveyor | \$162 | \$168 | \$175 | \$182 |
| 3-Person Survey Crew | \$228 | \$237 | \$246 | \$256 |
| 2-Person Survey Crew | \$183 | \$190 | \$198 | \$206 |

Support Services

| | | | | |
|-------------------------------|-------|-------|-------|-------|
| GIS Specialist | \$122 | \$127 | \$132 | \$137 |
| Senior Engineering Technician | \$99 | \$103 | \$107 | \$111 |
| Engineering Technician | \$87 | \$90 | \$94 | \$98 |
| CADD Designer | \$101 | \$105 | \$109 | \$113 |
| Project Coordinator | \$90 | \$94 | \$98 | \$102 |
| Administrative Assistant | \$81 | \$84 | \$87 | \$90 |

General

| | | | | |
|-------------------------------|------------------|------------------|------------------|------------------|
| Direct Expenses | Cost + 10% | Cost + 10% | Cost + 10% | Cost + 10% |
| Subcontract Services | Cost + 10% | Cost + 10% | Cost + 10% | Cost + 10% |
| Specialized Computer Programs | \$15 (per hour) | \$15 (per hour) | \$15 (per hour) | \$15 (per hour) |
| Mileage | Current IRS Rate | Current IRS Rate | Current IRS Rate | Current IRS Rate |
| Field Vehicle – Hourly | \$12/hour | \$12/hour | \$12/hour | \$12/hour |
| Field Vehicle – Daily | \$80/day | \$80/day | \$80/day | \$80/day |
| Field Vehicle – Monthly | \$1,500/month | \$1,500/month | \$1,500/month | \$1,500/month |
| B&W Photocopies (per page) | \$0.10 | \$0.10 | \$0.10 | \$0.10 |
| Color Photocopies (per page) | \$0.50 | \$0.50 | \$0.50 | \$0.50 |

Rates will be adjusted annually based on the US Department of Labor, Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers.

Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.

Based on CWE maintaining General Liability Insurance for bodily injury and property damage with an aggregate limit of \$2,000,000 per occurrence. In the event the client desires additional coverage, CWE will, upon the client's written request, obtain additional insurance and adjust the above billing rates accordingly.

EXHIBIT B GENERAL TERMS AND CONDITIONS

1. Status as Independent Contractor.

A. Consultant is, and shall at all times remain as to City, a wholly independent contractor. Consultant shall have no power to incur any debt, obligation, or liability on behalf of the City of Commerce or otherwise act on behalf of Commerce as an agent. Neither the City of Commerce nor any of its agents shall have control over the conduct of Consultant or any of Consultant's employees, except as set forth in this Agreement. Consultant shall not, at any time, or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of the City of Commerce.

B. Consultant agrees to pay all required taxes on amounts paid to Consultant under this Agreement, and to indemnify and hold City harmless from any and all taxes, assessments, penalties, and interests asserted against City by reason of the independent Consultant relationship created by this Agreement. In the event that City is audited by any Federal or State agency regarding the independent status of Consultant and the audit in any way fails to sustain the validity of a wholly independent Consultant relationship between City and Consultant, then Consultant agrees to reimburse City for all costs, including accounting and attorney's fees, arising out of such audit and any appeals relating thereto.

C. Consultant shall fully comply with the workers' compensation law regarding Consultant and Consultant's employees. Consultant further agrees to indemnify and hold City harmless from any failure of Consultant to comply with applicable worker's compensation laws. City shall have the right to offset against the amount of any fees due to Consultant under this Agreement any amount due to City from Consultant as a result of Consultant's failure to promptly pay to City any reimbursement or indemnification arising under this Section 1.

D. Consultant represents to the City, and City relies on Consultant's representations, that Consultant shall serve solely in the capacity of an independent contractor to the City. Neither the City nor any of its agents will have control over the conduct of Consultant or any of Consultant's employees, except as otherwise set forth in the Agreement. Consultant may not, at any time or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of the City. The City has no duty, obligation, or responsibility to the Consultant's agents or employees, including the Affordable Care Act coverage requirements. Consultant is solely responsible for any tax penalties associated with the failure to offer affordable coverage to its agents and employees under the Affordable Care Act with respect to Consultant's agents and employees. Consultant warrants and represents that the City will not be responsible and will not be held liable for issues related to Consultant's status as an independent contractor, including Consultant's failure to comply with Consultant's duties, obligations, and responsibilities under the Affordable Care Act. Consultant further agrees to defend, indemnify, and hold the City harmless

for any and all taxes, claims, and penalties against the City related to Consultant's obligations under the Affordable Care Act.

2. Standard of Performance

Consultant shall perform all work to the highest professional standards and in a manner reasonably satisfactory to the City Administrator or his/her designee. No additional or different tasks or services shall be performed by Consultant other than those specified in **Exhibit A**.

3. Indemnification.

A. To the fullest extent permitted by law, Consultant shall indemnify, defend and hold harmless City and any and all of its officials, employees and agents ("Indemnified Parties") from and against any and all claims, losses, liabilities, damages, costs and expenses, including reasonable attorney's fees and costs, to the extent they arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Consultant's duty to defend shall consist of reimbursement of defense costs incurred by City in direct proportion to the Consultant's proportionate percentage of fault. Consultant's percentage of fault shall be determined, as applicable, by a court of law, jury or arbitrator. In the event any loss, liability or damage is incurred by way of settlement or resolution without a court, jury or arbitrator having made a determination of the Consultant's percentage of fault, the parties agree to mediation with a third party neutral to determine the Consultant's proportionate percentage of fault for purposes of determining the amount of indemnity and defense cost reimbursement owed to the City.

B. Notwithstanding the foregoing and without diminishing any rights of City under Section 3(a), for any liability, claim, demand, allegation against City arising out of, related to, or pertaining to any act or omission of Consultant, but which is not a design professional service, Consultant shall defend, indemnify, and hold harmless City, its officials, employees, and agents ("Indemnified Parties") from and against any and all damages, costs, expenses (including reasonable attorney fees and expert witness fees), judgments, settlements, and/or arbitration awards, whether for personal or bodily injury, property damage, or economic injury, and arising out of, related to, any concurrent or contributory negligence on the part of City, except for the sole or active negligence of, or willful misconduct of City. If it is determined the City's negligence or willful misconduct contributed to the liability or damage, Consultant shall be required to provide indemnification to the City and reimbursement of defense costs incurred by City in direct proportion to the Consultant's proportionate percentage of fault.

C. It is understood that the duty of Consultant to indemnify and hold harmless is subject to and includes the duty to defend as set forth in Section 2782.8 of the California Civil Code as further addressed in Section 3(a) above. Acceptance by the City of insurance certificates and endorsements required under this Agreement does not relieve Consultant from liability under this indemnification and hold harmless

clause. This indemnification and hold harmless clause shall apply to any damages or claims for damages whether or not such insurance policies shall have been determined to apply. By execution of this Agreement, Consultant acknowledges and agrees to the provisions of this Section and that it is a material element of consideration.

4. Insurance.

A. Without limiting Consultant's indemnification of Indemnities pursuant to Section 3 of this Agreement, Consultant shall obtain and provide and maintain at its own expense during the term of this Agreement the types and amounts of insurance as described below:

(I) Consultant shall maintain Commercial General Liability Insurance with coverage at least as broad as Insurance Services Office Commercial General Liability Form CG 00 01 in an amount not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, for bodily injury, personal injury, and property damage. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. The policy must include contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language will not be accepted.

(II) Consultant shall maintain Business Auto Coverage on ISO Business Auto Coverage Form CA 00 01 covering bodily injury and property damage for all activities of the Consultant arising out of or in connection with Work to be performed under this Agreement, including coverage for any owned, hired, non-owned or rented vehicles, in an amount not less than \$1,000,000 combined single limit for each accident.

(III) Consultant shall maintain Workers' Compensation Insurance (Statutory Limits) and Employer's Liability Insurance with on a state approved policy form providing statutory benefits as required by law with employer's liability limits no less than \$1,000,000 per accident for all covered losses;

(IV) Consultant shall maintain Professional Liability or Errors and Omissions Insurance that covers the services to be performed in connection with this Agreement, in the minimum amount of \$1,000,000 per claim and in the aggregate. Any policy inception date, continuity date, or retroactive date must be before the effective date of this Agreement and Consultant agrees to maintain

continuous coverage through a period no less than three (3) years after completion of the services required by this Agreement.

B. City, its officers, officials, employees and volunteers shall be named as additional insureds on the policy(ies) as to commercial general liability and automotive liability.

C. All insurance policies shall be issued by an insurance company currently authorized by the Insurance Commissioner to transact business of insurance or is on the List of Approved Surplus Line Insurers in the State of California, with an assigned policyholders' Rating of A- (or higher) and Financial Size Category Class VI (or larger) in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by the City's Risk Manager.

D. All insurance policies shall provide that the insurance coverage shall not be non-renewed, canceled, reduced, or otherwise modified (except through the addition of additional insureds to the policy) by the insurance carrier without the insurance carrier giving City thirty (30) days' prior written notice thereof. Any such thirty (30) day notice shall be submitted to CITY via certified mail, return receipt requested, addressed to "Director of Human Resources & Risk Management," City of Commerce, 2535 Commerce Way, Commerce, California, 90040. Consultant agrees that it will not cancel, reduce or otherwise modify said insurance coverage.

E. Consultant shall submit to City (I) insurance certificates indicating compliance with the minimum worker's compensation insurance requirements above, and (II) insurance policy endorsements indicating compliance with all other minimum insurance requirements above, not less than one (1) day prior to beginning of performance under this Agreement. Endorsements shall be executed on City's appropriate standard forms entitled "Additional Insured Endorsement".

F. Consultant's insurance shall be primary as respects the City, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees and volunteers shall be excess of Consultant's insurance and shall not contribute with it.

G. Consultant agrees that if it does not keep the aforesaid insurance in full force and effect, and such insurance is available at a reasonable cost. City may take out the necessary insurance and pay the premium thereon, and the repayment thereof shall be deemed an obligation of Consultant's and the cost of such insurance may be deducted, at the option of City, from payments due Consultant.

5. Release of Information/Confidentiality.

A. Consultant in the course of its duties may have access to confidential data of City, private individuals, or employees of the City. Consultant covenants that all data, documents, discussion, or other information developed or received by Consultant

or provided for performance of this Agreement are deemed confidential and shall not be disclosed by Consultant without written authorization by City. City shall grant such authorization if disclosure is required by law. All City data shall be returned to City upon the termination of this Agreement. Consultant, its officers, employees, agents, or subconsultants, shall not without written authorization from the City Administrator, voluntarily provide declarations, letters of support, testimony at depositions, response to interrogatories, or other information concerning the work performed under this Agreement or relating to any project or property located within the City. Response to a subpoena or court order shall not be considered "voluntary" provided Consultant gives City notice of such court order or subpoena. Consultant's covenant under this section shall survive the termination of this Agreement.

B. Consultant shall promptly notify City should Consultant, its officers, employees, agents, or subconsultants be served with any summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, request for admissions, or other discovery request, court order, or subpoena from any person or party regarding this Agreement and the work performed thereunder. City retains the right, but has no obligation, to represent Consultant and/or be present at any deposition, hearing, or similar proceeding. Consultant agrees to cooperate fully with City and to provide the opportunity to review any response to discovery requests provided by Consultant. However, City's right to review any such response does not imply or mean the right by City to control, direct, or rewrite said response

6. Ownership of Work Product.

A. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the City that relate to the performance of services under this Agreement. Consultant shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Consultant shall provide free access to the representatives of the City or its designees at reasonable times to such books and records; shall give the City the right to examine and audit said books and records; shall permit the City to make transcripts therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement. Such records, together with supporting documents, shall be maintained for a period of three (3) years after receipt of final payment.

B. Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to be performed pursuant to this Agreement shall become the sole property of the City and may be used, reused, or otherwise disposed of by the City without the permission of the Consultant. With respect to computer files, Consultant shall make available to the City, at the Consultant's office and upon reasonable written request by the City, the necessary computer software and hardware for purposes of

accessing, compiling, transferring, and printing computer files.

7. Conflict of Interest.

A. Consultant covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which may be affected by the services to be performed by Consultant under this Agreement, or which would conflict in any manner with the performance of its services hereunder. Consultant further covenants that, in performance of this Agreement, no person having any such interest shall be employed by it. Furthermore, Consultant shall avoid the appearance of having any interest which would conflict in any manner with the performance of its services pursuant to this Agreement.

B. Consultant covenants not to give or receive any compensation, monetary or otherwise, to or from the ultimate vendor(s) of services to City as a result of the performance of this Agreement, or the services that may be procured by the City as a result of the recommendations made by Consultant's covenants under this section shall survive the termination of this Agreement.

8. Termination. Notwithstanding any other provision, this Agreement may be duly terminated at any time by the City at its sole discretion with or without cause by serving upon the consultant at least ten (10) days prior written notice ("Notice of Termination"). Upon receipt of said notice, the Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Unless expressly agreed upon in writing by the City, the City shall not be obligated to pay for any services rendered nor any costs or expenses paid or incurred after the date of termination. The effective date of termination shall be upon the date specified in the written Notice of Termination. Consultant agrees that in the event of such termination, Consultant must refund the City its prorated share, except for services satisfactorily rendered prior to the effective date of termination. Immediately upon receiving written Notice of Termination, Consultant shall discontinue performing services, preserve the product of the services and upon payment for services, turn over to City the product of the services in accordance with written instructions of City.

In the event this Agreement is terminated pursuant to this Section, the City shall pay to Consultant the actual value of the work performed up to the time of termination, provided that the work performed is of value to the City. Upon termination of the Agreement pursuant to this Section, the Consultant will submit an invoice to the City.

9. Personnel. Consultant represents that it has, or will secure at its own expense, all personnel required to perform the services under this Agreement. All of the services required under this Agreement will be performed by Consultant or under its supervision, and all personnel engaged in the work shall be qualified to perform such services. Consultant reserves the right to determine the assignment of its own employees to the performance of Consultant's services under this Agreement, but City reserves the right, for good cause, to require Consultant to exclude any employee from performing

services on City's premises.

10. Non-Discrimination and Equal Employment Opportunity.

A. Consultant shall not discriminate as to race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation, in the performance of its services and duties pursuant to this Agreement, and will comply with all rules and regulations of City relating thereto. Such nondiscrimination shall include but not be limited to the following: employment, upgrading, demotion, transfers, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

B. Consultant will, in all solicitations or advertisements for employees placed by or on behalf of Consultant state either that it is an equal opportunity employer or that all qualified applicants will receive consideration for employment without regard to race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation.

C. Consultant will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this Agreement except contracts or subcontracts for standard commercial supplies or raw materials.

11. Assignment. Consultant shall not assign or transfer any interest in this Agreement nor the performance of any of Consultant obligations hereunder, without the prior written consent of City, and any attempt by Consultant to assign this Agreement or any rights, duties, or obligations arising hereunder shall be void and of no effect.

12. Performance Evaluation. For any Agreement in effect for twelve months or longer, the City Administrator may require a written annual administrative performance evaluation within ninety (90) days of the first anniversary of the effective date of this Agreement, and each year thereafter throughout the term of this Agreement. The work product required by this Agreement shall be utilized as the basis for review, and any comments or complaints received by City during the review period, either orally or in writing, shall be considered. City shall meet with Consultant prior to preparing the written report. If any noncompliance with the Agreement is found, City may direct Consultant to correct the inadequacies, or, in the alternative, may terminate this Agreement as provided herein.

13. Compliance with Laws. Consultant shall keep itself informed of State, Federal and Local laws, ordinances, codes and regulations which in any manner affect those employed by it or in any way affect the performance of its service pursuant to this Agreement. Consultant shall at all times comply with such laws, ordinances, codes and regulations. The City, its officers and employees shall not be liable at law or in equity occasioned by failure of Consultant to comply with this Section.

14. Licenses. At all times during the term of this Agreement, Consultant shall have in full force and effect all licenses (including a City business license) required of it by law for performance of the services hereunder.

15. Non-Waiver of Terms, Rights and Remedies. Waiver by either party of any one or more of the conditions of performance under this Agreement shall not be a waiver of any other condition of performance under this Agreement. In no event shall the making by City of any payment to Consultant constitute or be construed as a waiver by City of any breach of covenant, or any default which may then exist on the part of Consultant, and the making of any such payment by City shall in no way impair or prejudice any right or remedy available to City with regard to such breach or default.

16. Attorney's Fees. In the event that either party to this Agreement shall commence any legal or equitable action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees and costs, including costs of expert witnesses and Consultant.

17. Notices. Any notices, bills, invoices, or reports required by this Agreement shall be deemed received on (a) the day of delivery if delivered by hand during Consultant regular business hours or by facsimile before or during Consultant regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses heretofore set forth in the Agreement, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this section.

18. Governing Law. This Agreement shall be construed and interpreted both as to validity and to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Los Angeles, State of California. However, the Parties may agree to submit any dispute to non-binding arbitration.

19. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be the original, and all of which together shall constitute one and the same instrument.

20. Severability. If any provision or any part of any provision of this Agreement is found to be invalid or unenforceable, the balance of this Agreement shall remain in full force and effect.

21. Entire Agreement. This Agreement, and any other documents incorporated herein by specific reference, represents the entire and integrated agreement between Consultant and City. This Agreement supersedes all prior oral or written negotiations, representations or agreements. This Agreement may not be amended, nor any provision or breach hereof waived, except in a writing signed by the Parties which

expressly refers to this Agreement. Amendments on behalf of the City will only be valid if signed by the Mayor and attested by the City Clerk.

22. **Authority.** The person or persons executing this Agreement on behalf of Consultant warrants and represents that he/she has the authority to execute this Agreement on behalf of Consultant and has the authority to bind Consultant to the performance of its obligations hereunder.

4850-8686-0922, v. 1

PROFESSIONAL SERVICES AGREEMENT ON-CALL FOR CONSTRUCTION MANAGEMENT AND INSPECTION

This agreement ("Agreement") is made as of _____, 2019 by and between the **City of Commerce**, a municipal corporation ("City") and **CWE** ("Consultant"). City and Consultant are sometimes hereinafter individually referred to as a "Party" and collectively referred to as the "Parties."

RECITALS

WHEREAS, City desires to utilize the services of Consultant as an independent contractor to [insert brief description of work] as set forth in the Scope of Services attached hereto as **Exhibit A**; and

WHEREAS, Consultant represents that it is fully qualified to perform such consulting services by virtue of its experience and the training, education and expertise of its principals and employees.

NOW, THEREFORE, in consideration of performance by the parties of the covenants and conditions herein contained, the parties hereto agree as follows:

1. Company's Scope of Services. The nature and scope of the specific services to be performed by Consultant are as described in **Exhibit A**.

2. Term of Agreement. This Agreement shall commence on **March 5, 2019** (the "Commencement Date") and shall remain and continue in effect until **April 30, 2021**, unless sooner terminated pursuant to the provisions of this Agreement.

3. Compensation.

A. City agrees to compensate Consultant for services under this Agreement in compliance with the schedule set forth in **Exhibit A**. Consultant shall maintain appropriate and necessary documentation supporting the all invoices submitted to the City detailing the type of service provided. Such documentation shall be available for review by the City at all reasonable times upon request.

B. If at the request of the City, Consultant is required to incur out of pocket expenses (including but not limited to, out-of-town travel and lodging) which are above and beyond the ordinary expenses associated with performance of this Agreement, Consultant shall be entitled to reimbursement of such expenses. Consultant shall only be reimbursed for those expenses which: (I) appear on Consultant's monthly invoices; (II) are accompanied by a copy of the City's written authorization for Consultant to incur such expenses; and (III) receipts documenting such expenses.

4. General Terms and Conditions. The General Terms and Conditions set forth in **Exhibit B** are incorporated as part of this Agreement. In the event of any inconsistency between the General Terms and Conditions and any other exhibit to this

Agreement, the General Terms and Conditions shall control unless it is clear from the context that both parties intend the provisions of the other exhibit(s) to control.

5. Addresses.

City of Commerce

City of Commerce
2535 Commerce Way
Commerce, CA 90040
Attn: Edgar P. Cisneros, City Administrator

Company

CWE
Attn: Vik Bapna
1561 E. Orangethorpe Ave., Ste. 240
Fullerton, CA 92831-5202

6. Exhibits. All exhibits referred to in this Agreement are listed here and are incorporated and made part of this Agreement by this reference.

Exhibit A – Scope of Services and Compensation Schedule

Exhibit B – General Terms and Conditions

SIGNATURES ON FOLLOWING PAGE

IN WITNESS WHEREOF, the parties have executed this Agreement as of the dates written below.

CITY

CITY OF COMMERCE

By: _____
Hugo A. Argumedo, Mayor

Date

CONSULTANT

CWE

By: V B apua.
Vik Bapna

02/21/2019
Date

ATTEST:

By: _____
Lena Shumway, City Clerk

Date

APPROVED AS TO FORM:

By: _____
Noel Tapia, City Attorney

Date

EXHIBIT A
SCOPE OF WORK



Statement of Qualifications to Provide Various On-Call Professional Services

February 22, 2019

SUBMITTED TO:

City of Commerce
Public Works and Development Services Department
2535 Commerce Way
Commerce, California 90040
Attn: Jasmin Elepano
Senior Management Analyst

Creating a better tomorrow, today.™



1561 E. Orangethorpe Avenue, Suite 240
Fullerton, California 92831
(714) 526-7500 TEL | (714) 526-7004 FAX
www.cwecorp.com



CWE

1561 E. ORANGETHORPE AVE
SUITE 240
FULLERTON, CA 92831
(714) 526-7500 PHONE
(714) 526-7004 FAX
www.cwecorp.com

February 22, 2019

Ms. Jasmin Elepano
Senior Management Analyst
Public Works and Development Services Department
City of Commerce
2535 Commerce Way
Commerce, California 90040

**Statement of Qualifications to Provide
Various On-call Professional Services**

Dear Ms. Elepano,

CWE understands that due to a high volume of current and anticipated capital improvement and development projects, the City of Commerce (City) is seeking to retain the services of various on-call professional consultants for a variety of projects on an "as-needed" basis. CWE is an exceptionally qualified firm to meet a wide variety of the City's engineering goals, and we have focused this SOQ specifically for consideration to provide services under the **General Civil Engineering**, and **Construction Management and Inspection** disciplines. We are confident you will find our skills and experience well-suited for the City's future projects.

CWE is an experienced firm that understands the importance of client satisfaction and the imperative nature of an experienced key personnel line-up. Our qualified professionals offer a diverse range of experience in civil engineering, and construction management and inspections, and are prepared to meet the City's needs. We are a stand-out candidate based on the following differentiators:

- **Award-Winning Projects Demonstrate CWE's Quality Work.** CWE performed **both civil engineering and construction management** for the City of Torrance Stormwater Basin Treatment and Wetlands Enhancement, which received seven awards for innovative solutions involving water treatment, stormwater quality, erosion control, and BMP

Ms. Jasmin Elepano

February 22, 2019

Page 2

implementation from entities including, but not limited to the American Public Works Association (APWA), American Society of Civil Engineers (ASCE), *Engineering News-Record* (ENR), California Stormwater Quality Association (CASQA) and *Storm Water Solutions* magazine. We also performed design and construction management for the City of Los Angeles Garvanza Park Rainwater Capture and Use project, which received CASQA's Outstanding BMP Implementation Project Award.



- **Inspection Services Experience.** CWE has extensive experience providing construction inspection services. We provided construction inspections for the City of Torrance Machado Lake Trash Screen Catch Basin project, which involved the installation of 6,600 street sweeping signs and 1,229 full-capture trash screens on catch basins in Torrance and neighboring cities.

CWE submits this Statement of Qualifications not simply as an expression of interest, but as a personal statement of our commitment to providing the leadership and resources necessary to render timely and responsive services to the City. We look forward to further discussing our qualifications for this opportunity. If you have any questions or require additional information, please contact me at (714) 526-7500 Ext. 212 or vbapna@cwecorp.com.

Respectfully submitted,
CWE

Vik Bapna, PE, ENV SP, CPSWQ, QSD/P
Principal



City of Commerce

Statement of Qualification for Various On-call Professional Services

Table of Contents

| | |
|---|-----------|
| A. GENERAL QUALIFICATIONS - CALTRANS STANDARD FORM 330 (SF330) | 1 |
| A.1 CONSTRUCTION MANAGEMENT AND INSPECTION | 1 |
| B. MANDATORY REQUIREMENTS | 18 |
| C. SUPPLEMENTAL INFORMATION | 23 |
| D. PROJECT MANAGEMENT APPROACH | 24 |
| D.1 COORDINATION | 24 |
| D.2 PROJECT SCHEDULING | 24 |
| D.3 BUDGET CONTROL | 24 |
| D.4 QUALITY ASSURANCE | 25 |
| E. CALTRANS FORMS | 26 |

Creating a better tomorrow, today.™





City of Commerce

Statement of Qualification for Various On-call Professional Services

A. General Qualifications

CWE has provided SF330 forms for each discipline being submitted for.

A.1 Construction Management and Inspection



We take pride in our construction management experience. The key to our success with the construction management involves identifying critical path items prior to beginning the project's construction phase. Once the items are identified as critical, issues related to the critical path were the highest priorities in responding to RFIs, site visits, and coordination meetings. This attention to critical path items kept the project on schedule.

The following SF330 package displays our construction management and inspection services experience with successfully providing the services below:

Services:

- Program Management
- Traffic Control and Dewatering Plans
- Fugitive Dust Control and BMPs
- Noise Abatement Management
- Bid Phase Management
- Constructability Reviews
- Change Order Analysis
- Inspection and Quality Assurance
- Scheduling Control

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

On-Call Professional Service for Engineering Services
Commerce, California

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Vik Bapna, Principal

5. NAME OF FIRM

CWE

6. TELEPHONE NUMBER

(714) 526-7500

7. FAX NUMBER

(714) 526-7004

8. E-MAIL ADDRESS

vbapna@cwecorp.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

| (Check) | | | | 9. FIRM NAME | 10. ADDRESS | 11. ROLE IN THIS CONTRACT |
|---------|-----|---------|----------------|--|---|---|
| PRIME | J-V | PARTNER | SUBCON-TRACTOR | | | |
| a. | X | | | CWE <input type="checkbox"/> CHECK IF BRANCH OFFICE | 1561 E. Orangethorpe Avenue Suite 240 Fullerton, California 92831 | Construction Management and Inspection Support |
| b. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| c. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| d. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| e. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |

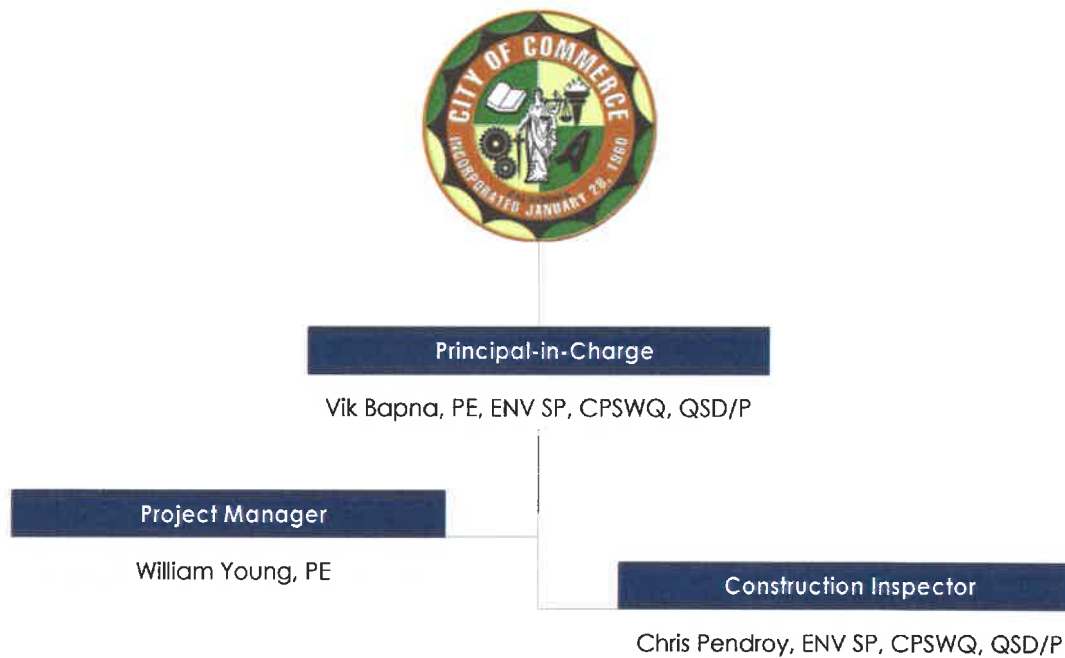
D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

D. ORGANIZATIONAL CHART OF PROPOSED TEAM


Solicitation: City of Commerce On-Call Professional Service – Construction Management and Inspections

The organizational chart below depicts the roles and responsibilities of the CWE proposed staff.



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | | | | | |
|---|--|---|--|-----------------------|------------------------------|------|------|
| 12. NAME Vik Bapna, PE, ENV SP, CPSWQ, QSD/P | 13. ROLE IN THIS CONTRACT Principal-in-Charge | 14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>27</td> <td>12</td> </tr> </table> | | a. TOTAL | b. WITH CURRENT FIRM | 27 | 12 |
| a. TOTAL | b. WITH CURRENT FIRM | | | | | | |
| 27 | 12 | | | | | | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | | | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, New Jersey Institute of Technology | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 52060 ENVISION™ Sustainability Professional Credential Certified Professional in Storm Water Quality, 543 Qualified SWPPP Developer/Practitioner, 368 | | | | | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Vik Bapna is one of CWE's founding Principals. With 27 years of experience, he is a locally recognized expert managing multiuse projects that improve water quality, reduce pollutants of concern, and enhance local communities. He has managed over \$200 million in large scale, multi-disciplinary projects for federal, state, and municipal agencies. On several of these projects, Vik has held meetings with various stakeholders, and managed tasks including preparing meeting materials and conducting public presentations. His additional experience includes performing plan check reviews for CEQA/NEPA documentation, WQMPs, LID Plans, and SWPPPs; designing innovative structural treatment control BMPs. | | | | | | | |
| 19. RELEVANT PROJECTS | | | | | | | |
| (1) TITLE AND LOCATION (City and State) Garvanza Park Rainwater Capture and Use Los Angeles County, California | | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>2010</td> <td>2011</td> </tr> </table> | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | 2010 | 2011 |
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | | | | | | |
| 2010 | 2011 | | | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Project Manager responsible for assisting LA Sanitation – City of Los Angeles and North East Trees to determine the feasibility of retrofitting Garvanza Park with subregional stormwater management BMPs to enhance urban and stormwater runoff water quality from an 85-acre watershed for Total Maximum Daily Load (TMDL) compliance. Managed the design of a drainage system to route runoff from an existing 48-inch Reinforced Concrete Pipe (RCP) storm drain into a pretreatment BMP system consisting of a designed pump station, hydrodynamic separator and settling basin, one water tight subsurface detention gallery, and one subsurface-infiltration gallery for onsite landscape irrigation use and infiltration, Supervisory Control and Data Acquisition (SCADA), and inline monitoring systems. Delineated and characterized the tributary watershed to conduct a hydrologic and hydraulic analysis, and performed a pollutant load removal analysis for the proposed structural treatment controls. Managed tasks involving utility research, topographic ground surveying, potholing, a geotechnical analysis, including onsite infiltration testing, and shoring analysis. Delivered Plans, Specifications, and Estimates (PS&E) construction documents and assisted with the bid process. Managed construction administration duties, including construction inspection and material testing. Managed post-construction water quality monitoring to assess BMP function and effectiveness, which proved the project is showing tangible results in terms of TMDL compliance. Worked with stakeholders to identify concerns prior to and during construction. CWE Fee: \$402,765 | | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | | | | |
| (1) TITLE AND LOCATION (City and State) Laurel Canyon Boulevard Green Street Los Angeles, California | | (2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>2017</td> <td>2017</td> </tr> </table> | | PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | 2017 | 2017 |
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) | | | | | | |
| 2017 | 2017 | | | | | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Project Manager for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. CWE Fee: \$504,203 | | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | | | | |


SECTION E

| | | | |
|--|--|---|--|
| c. | (1) TITLE AND LOCATION (City and State) Torrance Stormwater Basin and Treatment Wetlands Enhancement Design and Construction Management Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (if applicable) 2015 | |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager for the design of two treatment wetlands and two infiltration basins to retain, treat, and infiltrate stormwater runoff. This project helps the City comply with the Santa Monica Bay Beaches Bacteria Total Maximum Daily Load (TMDL) requirements. Managed the design of two 10-inch and one 14-inch pressured lines. Supervised topographic and boundary survey and coordinated a geotechnical investigation for the design of earthwork, pipelines, structures, and other site improvements. Performed a wetlands sustainability analysis to evaluate dry-weather inflows, evaporation, and infiltration and ensure the long-term functionality of the wetlands system. Conducted a hydrologic analysis using MODRAT in WMS to evaluate the reservoir routing and pumping from the interconnected wetlands/detention basin system under Capital Flood and LID Plan conditions. Conducted public outreach to gain input from the nearby community and residents. Managed design of construction documents for improvements, including site grading, roadway paving, recycled water line, and piping plans; retaining walls; park lighting and signage; stream channel and infiltration basin design; trails, viewing areas, and landscaping details; a water-tight system for irrigation; inlet and outlet structures; bridge structures; culverts, pump stations, and other control structures; electrical and mechanical plans; and Supervisory Control and Data Acquisition (SCADA) plans. Coordinated with the Los Angeles County Flood Control District (LACFCD). Special consideration was given to protect the burrowing owl habitat and the legless lizard. Managed legless lizard surveys prior to and during construction. Specifications per Greenbook and special provisions and estimates were prepared. Oversaw construction management and support services. CWE Fee: \$656,305 | | |
| | (1) TITLE AND LOCATION (City and State) Machado Lake Trash Screen Catch Basin Construction Administration Torrance, California | | |
| d. | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (if applicable) 2015 | | |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager providing construction administration services for the installation of full-capture trash screens on catch basins to assist the Cities of Torrance, Carson, Lomita, Los Angeles, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Rolling Hills, and Rolling Hills Estates, as well as the California Department of Transportation (Caltrans), Los Angeles County, and the Los Angeles County Flood Control District (LACFCD) with their continued compliance with the Machado Lake Trash Total Maximum Daily Load (TMDL) requirements. Tasks included: monitoring the installation of catch basin trash screens; verifying construction compliance with Plans, Specifications, and Estimates (PS&Es); monitoring traffic control; preparing daily inspection reports; reviewing construction submittals in compliance with PS&Es; reviewing and processing payment requests; assisting with change order processing; reviewing proposed work plans with the contractor; discussing discrepancies with the contractor; developing "Punch List" items; serving as a general liaison between the contractor and City; and preparing a red-line set of as-built plans. Project Total Cost: \$2.5 Million | | |
| e. | (2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable) Ongoing | | |
| | (1) TITLE AND LOCATION (City and State) Metro Division 4 Permeable Concrete Pavement Downey, California | | |
| (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager for the design of a PCP and bioretention facility for LA Metro at their Division 4 non-revenue facility in the City of Downey. Designing the permeable concrete pavement to store and infiltrate the 85th percentile, 24-hour storm event generated within a large portion of the LA Metro site. The bioretention facility will capture flows exceeding the 85th percentile event, and provide additional storage and infiltration capacity. During large storm events, flows exceeding the capacity of the PCP and bioretention facility will be routed to an existing infiltration trench within the site and ultimately discharge into the Rio Hondo. This project is partially funded by Proposition 84. The project benefits METRO by significantly reducing discharge, improving water quality, and addressing the Los Angeles River Trash TMDL. CWE Fee: \$168,400 | | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| 12. NAME William Young, PE | 13. ROLE IN THIS CONTRACT Senior Project Manager | 14. YEARS EXPERIENCE a. TOTAL 38 b. WITH CURRENT FIRM 4 | |
|--|---|--|--|
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) BS, Civil Engineering, California State Polytechnic University, Pomona | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer, CA, 35715 | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) William Young is CWE's Director of Engineering. He has 38 years of experience in the management, design, and construction of public works and land development projects. Recent responsibilities include project management, public presentations, and development of project staff. His experience in the field of civil engineering has covered a diverse range of projects throughout the State of California. The range of projects and tasks include channel and storm drain facilities design, erosion control, storm water permitting, master plans of drainage, floodplain studies, Conditional Letter of Map Revision (CLOMR)/Letter of Map Revision (LOMR) processing, commuter rail facilities, street and highway design, pavement rehabilitation, sewer and water design, pump station design, and stormwater detention facilities. His career experience includes three years of field surveying. Survey experience includes field topography, boundary, construction staking, and as-built verification for roadway improvements, utilities, and flood control projects. | | | |
| 19. RELEVANT PROJECTS | | | |
| (1) TITLE AND LOCATION (City and State) City of Torrance North Well Field Phase II Torrance, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if applicable) 2016 | | |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM a. Project Manager for design services provided to the City of Torrance for the North Torrance Well Field Phase II project to upgrade their domestic water system. The project included well numbers 9 and 11, an access road, utilities, a three-million-gallon water tank, and a booster pump station at the Yukon site, located west of Yukon Elementary School in North Torrance. Phase I of the North Torrance Well Field project was recently completed. The Phase II design provided the City with final PS&Es for water and storm drain piping south of I-405 and connected to the existing City water and County storm drain systems near West 182nd Street. The Phase II design included the water main from the City's Well Number 9 situated in McMaster Park, south in Yukon Avenue to an existing connection in front of Yukon Elementary School. In addition to the water line, this project included a 48-inch overflow/storm drain to be installed under I-405 and connect to the existing County storm drain near West 182nd Street. Tasks included: design for jack-and-bore installation of 48-inch diameter steel casing for 30-inch diameter concrete storm drain pipe; data gathering; utility research, including potholing; permit processing for Caltrans and the LACFCD; obtaining DSA approvals; performing a design survey and hydraulic analysis; preparing PS&Es; and providing bid and construction support. CWE Fee: \$81,018 | | |
| (1) TITLE AND LOCATION (City and State) Laurel Canyon Boulevard Green Street Pacoima, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2017 | | |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM b. Technical Manager for the design of bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, protected compatible beneficial uses, and improved the neighborhood quality of life. This was accomplished by the design of a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from an approximately 125-acre drainage area. Duties included developing design and traffic control plans for the project and performing construction management. Project Cost: \$504,203 | | |
| (1) TITLE AND LOCATION (City and State) Compton Creek Natural Park at Washington Elementary School Los Angeles, California | (2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (if applicable) 2013 | | |
| | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM c. Construction Manager, providing construction support for the development of a Natural Park at Washington Elementary School. Tasks included: Stormwater Pollution Prevention Plan (SWPPP) development; Qualified SWPPP Practitioner (QSP) inspections; a completion cost estimate; evaluation of exposed irrigation and waterlines; design of mass and fine grading; drainage and cistern storage; waterlines; non-potable irrigation; reuse irrigation; electrical; water quality Best Management Practices (BMPs); hardscape, landscaping, and site furnishing; and construction management support during pre-construction and construction periods. CWE Fee: \$35,000 | | |


SECTION E

| | | | | | | | | | | | |
|---|---|---|----------------------------------|--|---|--|----------------------------------|--|---|--|--|
| | (1) TITLE AND LOCATION (<i>City and State</i>) City of Santa Monica Annual Water Main Replacement Program Santa Monica, California | (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="997 210 1240 262">PROFESSIONAL SERVICES Ongoing</td> <td data-bbox="1240 210 1503 262">CONSTRUCTION (<i>if applicable</i>) Ongoing</td> </tr> </table> | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing | | | | | | |
| PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing | | | | | | | | | | |
| d. | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager provided design services for the replacement and upgrades of existing water mains at three sites in the City of Santa Monica for the City's Annual Water Main Replacement Program. This program is a long-term effort to replace and upgrade water mains based on age, condition, and capacity demands. CWE provided design services for new water main pipeline, encompassing approximately 2,230 lineal feet of 8-inch cast iron pipe over three project locations on Ocean Avenue, Seaside Terrace, and Olympic Drive South. Tasks included: utility research and coordination with various utility agencies; a topographic survey for each project segment; preparation of PS&Es, including traffic control plans, tie-in connections and necessary related appurtenances, water meters and laterals, air and vacuum release valve assemblies, blow-off and manual drain assemblies, and fire hydrant assemblies; utility potholing; and obtaining all necessary permits. Construction support services include: contract document interpretation and bidding assistance, reviewing and responding to Requests for Information (RFIs) and Requests for Comments (RFCs), conducting weekly field visits, attending bi-weekly construction process meetings, and preparing final record drawings. Project Cost: \$1.5 million | | | | | | | | | | |
| e. | <table border="1"> <tr> <td data-bbox="203 588 987 682"> (1) TITLE AND LOCATION (<i>City and State</i>) City of Beverly Hills Burton Way Median Green Street Beverly Hills, California </td> <td colspan="2" data-bbox="987 588 1513 682"> (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="997 613 1240 665">PROFESSIONAL SERVICES Ongoing</td> <td data-bbox="1240 613 1503 665">CONSTRUCTION (<i>if applicable</i>) Ongoing</td> </tr> </table> </td> </tr> <tr> <td colspan="3" data-bbox="203 682 1513 957"> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design Lead for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 </td> </tr> </table> | | | (1) TITLE AND LOCATION (<i>City and State</i>) City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="997 613 1240 665">PROFESSIONAL SERVICES Ongoing</td> <td data-bbox="1240 613 1503 665">CONSTRUCTION (<i>if applicable</i>) Ongoing</td> </tr> </table> | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design Lead for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | |
| (1) TITLE AND LOCATION (<i>City and State</i>) City of Beverly Hills Burton Way Median Green Street Beverly Hills, California | (2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="997 613 1240 665">PROFESSIONAL SERVICES Ongoing</td> <td data-bbox="1240 613 1503 665">CONSTRUCTION (<i>if applicable</i>) Ongoing</td> </tr> </table> | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing | | | | | | | |
| PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing | | | | | | | | | | |
| (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design Lead for the design of bioswales and green street improvements to capture and retain urban runoff on the Burton Way median in the City of Beverly Hills. These improvements will assist the City in complying with the Ballona Creek Watershed EWMP and Ballona Creek Bacteria and Metals TMDLs. Designing major aesthetic improvements with efficient landscape design, including drought-tolerant plants that reduce outdoor irrigation use and help the City meet water conservation objectives. Runoff will be used for median irrigation, reducing the need for potable water and there will be up to 8 acre-feet of stormwater storage beneath the median. The multi-benefit design incorporates walking trails, public art displays, and an aesthetically pleasing landscape. The project will enhance water quality, reduce flooding impacts, and provide a beautiful, tranquil community space that provides public education and increases stormwater quality and water conservation awareness. It is anticipated that the project will reduce potable water use by approximately 1.25 million gallons per year. CWE Fee: \$350,083 | | | | | | | | | | | |

SECTION E

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|--|--|
| 12. NAME Chris Pendroy, ENV SP, CPSWQ, QSD/P | 13. ROLE IN THIS CONTRACT Construction Inspector | 14. YEARS EXPERIENCE <div> <div>a. TOTAL</div> <div>21</div> </div> <div> <div>b. WITH CURRENT FIRM</div> <div>6</div> </div> | |
| 15. FIRM NAME AND LOCATION (City and State)  CWE, Fullerton, California | | | |
| 16. EDUCATION (Degree and Specialization) MS, Civil and Environmental Engineering, University of California, Irvine BS, Civil Engineering, University of California, Irvine | | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) ENVISION™ Sustainability Professional Credential Certified Professional in Storm Water Quality, 935 Qualified SWPPP Developer/Practitioner, 24503 | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Chris Pendroy is experienced in inspecting numerous CIPs in order to verify compliance with construction plans, specifications, and regulatory requirements. His expertise includes conducting field visits and job walks; completing structural calculations; managing utility coordination and research; developing improvement plans on street, water and sewer main, streetscape, and storm drain projects; and coordinating with local residents, municipalities, and staff to ensure successful project completion. | | | |
| 19. RELEVANT PROJECTS | | | |
| (1) TITLE AND LOCATION (City and State) City of Los Angeles Laurel Canyon Boulevard Widening Pacoima, California | (2) YEAR COMPLETED <div> <div>PROFESSIONAL SERVICES</div> <div>2017</div> </div> <div> <div>CONSTRUCTION (if applicable)</div> <div>2017</div> </div> | | |
| a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Inspector for the design and construction management of sidewalk improvements and bioswales along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project will provide increased groundwater recharge, reduce flooding impacts, protect compatible beneficial uses, and improve the neighborhood quality of life. Designed a series of infiltration swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project will collect stormwater runoff from a 125-acre drainage area. Currently providing pre-, during, and post-construction support for this project. Project Cost: \$2.5 million | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| (1) TITLE AND LOCATION (City and State) City of Torrance Stormwater Basin and Treatment Wetlands Enhancement Design and Construction Management Torrance, California | (2) YEAR COMPLETED <div> <div>PROFESSIONAL SERVICES</div> <div>2015</div> </div> <div> <div>CONSTRUCTION (if applicable)</div> <div>2015</div> </div> | | |
| b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project was the recipient of awards from the APWA, CASQA, and Storm Water Solutions magazine. Construction Inspector for the design and construction management of two treatment wetlands and two infiltration basins to retain, treat, and infiltrate stormwater runoff. This project helps the City comply with the Santa Monica Bay Beaches Bacteria TMDL requirements. Construction management tasks included preparing progress reports and schedule updates, attending on-site construction management meetings with City staff, monitoring daily construction compliance, preparing daily inspection reports on City forms, providing geotechnical and testing services, performing surveying, providing landscape architecture, requesting and reviewing as-built plans showing revisions made during construction at different stages of the project, and preparing grant invoice packages. Special consideration was given to protect the burrowing owl habitat and the legless lizard. Project Cost: \$4.9 million | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |
| (1) TITLE AND LOCATION (City and State) Garvanza Park Rainwater Capture and Use Los Angeles County, California | (2) YEAR COMPLETED <div> <div>PROFESSIONAL SERVICES</div> <div>2011</div> </div> <div> <div>CONSTRUCTION (if applicable)</div> <div>2011</div> </div> | | |
| c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Engineer responsible for assisting LA Sanitation – City of Los Angeles and North East Trees to determine the feasibility of retrofitting Garvanza Park with subregional stormwater management BMPs to enhance urban and stormwater runoff water quality from an 85-acre watershed for Total Maximum Daily Load (TMDL) compliance. Managed the design of a drainage system to route runoff from an existing 48-inch Reinforced Concrete Pipe (RCP) storm drain into a pretreatment BMP system consisting of a designed pump station, hydrodynamic separator and settling basin, one water tight subsurface detention gallery, and one subsurface-infiltration gallery for onsite landscape irrigation use and infiltration, Supervisory Control and Data Acquisition (SCADA), and inline monitoring systems. Delineated and characterized the tributary watershed to conduct a hydrologic and hydraulic analysis, and performed a pollutant load removal analysis for the proposed structural treatment controls. Managed tasks involving utility research, topographic ground surveying, potholing, a geotechnical analysis, including onsite infiltration testing, and shoring analysis. Delivered Plans, Specifications, and Estimates (PS&E) construction documents and assisted with the bid process. Managed construction administration duties, including construction inspection and material testing. Managed post-construction water quality monitoring to assess BMP function and effectiveness, which proved the project is showing tangible results in terms of TMDL compliance. Worked with stakeholders to identify concerns prior to and during construction. CWE Fee: \$402,765 | <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM | | |

SECTION E

| | | | |
|----|---|----------------------------------|--|
| d. | (1) TITLE AND LOCATION (<i>City and State</i>) Metro Division 4 Permeable Concrete Pavement Downey, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES Ongoing | CONSTRUCTION (<i>if applicable</i>) Ongoing |
| | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineer for the design of a PCP and bioretention facility for LA Metro at their Division 4 non-revenue facility in the City of Downey. <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Designing the permeable concrete pavement to store and infiltrate the 85th percentile, 24-hour storm event generated within a large portion of the LA Metro site. The bioretention facility will capture flows exceeding the 85th percentile event, and provide additional storage and infiltration capacity. During large storm events, flows exceeding the capacity of the PCP and bioretention facility will be routed to an existing infiltration trench within the site and ultimately discharge into the Rio Hondo. This project is partially funded by Proposition 84. The project benefits METRO by significantly reducing discharge, improving water quality, and addressing the Los Angeles River Trash TMDL. CWE Fee: \$168,400 | | |
| e. | (1) TITLE AND LOCATION (<i>City and State</i>) City of Carson Reflections Park Carson, California | (2) YEAR COMPLETED | |
| | | PROFESSIONAL SERVICES 2011 | CONSTRUCTION (<i>if applicable</i>) 2011 |
| | (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Provided design and construction management services for the development of a passive park to provide site amenities that encourage passive activities such as walking, reading, and resting, for the Carson Redevelopment Agency (CRA). Tasks performed included: developing a topographic survey that includes site elevations and identifies property boundaries and easements; conducting a geotechnical investigation to enable the design of various structures, including a retaining wall; providing estimates for shrinkage, shear, corrosivity, and expansions of existing soils characteristics; researching City requirements for the project site and developing a feasibility analysis of the proposed passive park to meet the needs of the CRA and comply with the City's ordinances; performing a utility search for all affected utilities in the project area, including water, electric, gas, communication, and storm drain utilities; preparing site grading and drainage plans for the site features and the construction of the park features; and developing design plans for retaining walls. CWE Fee: \$955,000 | | |

SECTION F


| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.) | | 20. EXAMPLE PROJECT KEY NUMBER |
|--|--|---|
| | | 1 |
| 21. TITLE AND LOCATION (City and State) | 22. YEAR COMPLETED | |
| Garvanza Park Rainwater Capture and Use Los Angeles, California | PROFESSIONAL SERVICES 2010 | CONSTRUCTION (If applicable) 2011 |
| 23. PROJECT OWNER'S INFORMATION | | |
| a. PROJECT OWNER LA Sanitation - City of Los Angeles | b. POINT OF CONTACT NAME Wing Tam, PE | c. POINT OF CONTACT TELEPHONE NUMBER (213) 485-3985 |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) | | |
| <p>This project was the recipient of the prestigious California Stormwater Quality Association (CASQA) 2012 Outstanding Best Management Practice (BMP) Implementation Project Award. Located in a highly developed neighborhood in Northeast Los Angeles, Garvanza Park was retrofitted in an effort to enhance the water quality of runoff from an 85-acre watershed. CWE assisted LA Sanitation, City of Los Angeles and North East Trees (a non-profit organization) by conducting a comprehensive study and design analysis to determine the feasibility of rerouting urban and stormwater runoff from an existing 48-inch reinforced concrete storm drain pipe into a pretreatment BMP system consisting of a hydrodynamic separator and settling basin, and two subsurface detention-infiltration galleries for onsite infiltration and landscape irrigation use. Investigative and engineering design services included assessing the existing storm drain, performing a drainage analysis, delineating and characterizing the tributary watershed, performing hydrologic and hydraulic calculations, hydraulic modeling, preparing a comprehensive project feasibility report summarizing hydrology study findings and anticipated pollutant loads to be treated, performing a topographic ground survey, conducting a utility search, supervising a geotechnical analysis and percolation/infiltration testing, developing preliminary conceptual sketches, designing stormwater treatment BMP infrastructure based on flows, storm drain modification, grading, drainage, and erosion control plans, earthwork calculations, and preparing a Construction Stormwater Pollution Prevention Plan (SWPPP). Tasks also included the mechanical, electrical, and plumbing design of the irrigation use pumping system. CWE also provided construction administration services, including supervision and inspections during the project's construction phase.</p>  <p>CWE Project Fee: \$402,765</p> <p><i>"CWE demonstrated exceptional project management and civil engineering design expertise on the Garvanza Park Rainwater Capture and Use Project. They effectively completed plans, specifications, and estimates (PS&Es) for this complex system on a compressed schedule and met all project and grant funding timelines and requirements. The PS&Es delivered were of outstanding quality and minimized the need for construction change orders. CWE's Project Manager, Vik Bapna, was very knowledgeable and had a firm handle on all aspects of the project. The innovative approaches designed into this project resulted in the project winning the prestigious 2012 CASQA Outstanding Stormwater BMP Implementation Project Award. I strongly recommend using Vik Bapna and CWE for any civil engineering projects you may be considering."</i></p> <p>– Wing Tam, PE, Assistant Division Manager LA Sanitation – City of Los Angeles</p> | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION (City and State) Fullerton, California |
| | | (3) ROLE Prime Consultant |

SECTION F


| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER |
|--|--|---|
| 21. TITLE AND LOCATION <i>(City and State)</i> Laurel Canyon Boulevard Green Street Torrance, California | | 2 22. YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION <i>(If applicable)</i> 2017 |
| 23. PROJECT OWNER'S INFORMATION | | |
| a. PROJECT OWNER LA Sanitation - City of Los Angeles | b. POINT OF CONTACT NAME Wing Tam, PE | c. POINT OF CONTACT TELEPHONE NUMBER 213-485-3985 |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> | | |
| <p>This project received awards from the American Society of Civil Engineers (ASCE) Los Angeles Section, ASCE Metropolitan Los Angeles Branch (MLAB), and California Stormwater Quality Association (CASQA).</p> <p>CWE designed and performed construction management for roadway widening, sidewalk improvements, and bioretention systems, including dry-wells, along 1,000 linear feet of Laurel Canyon Boulevard for LA Sanitation – City of Los Angeles and the Los Angeles Conservation Corps. The project provided increased groundwater recharge, reduced flooding impacts, enhanced water quality, protected compatible beneficial uses, and improved the neighborhood quality of life. To accomplish this, CWE designed a series of bioretention swales along Laurel Canyon Boulevard between Kagel Canyon Street and Terra Bella Street with curb, gutter, and sidewalk improvements. This project collected stormwater runoff from a 125-acre drainage area. CWE provided pre-, during, and post-construction support for this project.</p> <p>CWE Project Fee: \$504,203</p> | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | |
| a. (1) FIRM NAME CWE | (2) FIRM LOCATION <i>(City and State)</i> Fullerton, California | (3) ROLE Prime Consultant |
| b. (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |




SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.) | | 20. EXAMPLE PROJECT KEY NUMBER |
|--|---|--|
| | | 3 |
| 21. TITLE AND LOCATION (City and State) | 22. YEAR COMPLETED | |
| Torrance Stormwater Basin and Treatment Wetlands Enhancement Design and Construction Management Torrance, California | PROFESSIONAL SERVICES 2015 | CONSTRUCTION (If applicable) 2015 |
| 23. PROJECT OWNER'S INFORMATION | | |
| a. PROJECT OWNER City of Torrance | b. POINT OF CONTACT NAME John Dettle, PE | c. POINT OF CONTACT TELEPHONE NUMBER 310-618-3059 |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) | | |
| <p>This project received awards from the American Public Works Association (APWA), American Society of Civil Engineers (ASCE), Engineering News-Record (ENR), California Stormwater Quality Association (CASQA), and Storm Water Solutions magazine. CWE designed two treatment wetlands, two infiltration basins, and 300 feet of pressured storm drain piping to retain, treat, and infiltrate stormwater runoff to help the City comply with the Santa Monica Bay Beaches Bacteria Total Maximum Daily Load (TMDL). CWE performed a topographic and boundary survey of each basin and coordinated a geotechnical investigation for the design of earthwork, pipelines, structures, other site improvements, and infiltration capabilities of three basins. A wetlands sustainability analysis was performed to evaluate dry-weather inflows, evaporation, evapotranspiration, and infiltration, and ensure the long-term functionality of the wetlands system. CWE conducted a hydrologic analysis using the Modified Rational Method (MODRAT) in Watershed Modeling System (WMS) to evaluate the reservoir routing and pumping from the interconnected wetlands/detention basin system under Capital Flood and Standard Urban Stormwater Mitigation Plan (SUSMP) conditions. Water quality modeling determined the reduction in pollutant loads. The estimated annual pollutant load reduction for this project is 91%. Using the stormwater for irrigation reduces the potable water demand by approximately 2,800,000 gallons annually. The project included designing and preparing construction documents for the proposed improvements, including: site grading, roadway paving, recycled water line, and piping plans; retaining walls; park lighting and signage; stream channel and infiltration basin design; trails, viewing areas, and landscaping details; a water-tight system for irrigation; inlet and outlet structures; bridge structures; culverts, 20-cfs flood control pump station, and several irrigation pump stations, and other control structures; electrical and mechanical plans; and Supervisory Control and Data Acquisition (SCADA) plans. The project also included placement of new trash sweeping signage and catch basin screens throughout the basin subwatersheds. The project included coordination with the Los Angeles County Flood Control District (LACFCD). Special consideration was given to protect the burrowing owl and legless lizard habitat. CWE performed legless lizard surveys prior to and during construction. Specifications per Greenbook and special provisions and estimates were prepared. CWE also provided construction management and support services.</p>  <p>CWE Project Fee: \$656,305</p> | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | |
| a. (1) FIRM NAME CWE | (2) FIRM LOCATION (City and State) Fullerton, California | (3) ROLE Prime Consultant |
| b. (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| c. (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| d. (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| e. (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |


SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.) | | | 20. EXAMPLE PROJECT KEY NUMBER 4 |
|--|---|---|---|
| 21. TITLE AND LOCATION (City and State) Torrance Machado Lake Trash Screen Catch Basin Construction Administration Torrance, California | | 22. YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2015 | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER City of Torrance | b. POINT OF CONTACT NAME John Dettle, PE | c. POINT OF CONTACT TELEPHONE NUMBER 310-618-3059 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) | | | |
| <p>CWE provided construction administration services for the installation of full-capture trash screens on catch basins to assist the Cities of Torrance, Carson, Lomita, Los Angeles, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Rolling Hills, and Rolling Hills Estates, as well as the California Department of Transportation (Caltrans), Los Angeles County, and the Los Angeles County Flood Control District (LACFCD) with their continued compliance with the Machado Lake Trash Total Maximum Daily Load (TMDL) requirements. Tasks included: monitoring the installation of catch basin trash screens; verifying construction compliance with Plans, Specifications, and Estimates (PS&Es); monitoring traffic control; preparing daily inspection reports; reviewing construction submittals in compliance with PS&Es; reviewing and processing payment requests; assisting with change order processing; reviewing proposed work plans with the contractor; discussing discrepancies with the contractor; developing "Punch List" items; serving as a general liaison between the contractor and City; and preparing a red-line set of as-built plans.</p> <p>Total Project Cost: \$2.5 Million</p> | |  | |
| <p>"Thanks, Vik, for the outstanding services on this project. I do hope CWE will propose on inspection services for the final phase."</p> <p align="center">– John Dettle, PE, Engineering Manager City of Torrance</p> | | | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION (City and State) Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |

SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 5 | |
|--|-----------------------------|--|-------------------------------------|
| 21. TITLE AND LOCATION <i>(City and State)</i> Compton Creek Natural Park at Washington Elementary School Los Angeles, California | | 22. YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION <i>(if applicable)</i> 2013 | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER Los Angeles Conservation Corps | | b. POINT OF CONTACT NAME Larry Smith | |
| | | c. POINT OF CONTACT TELEPHONE NUMBER 213-362-7957 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> | | | |
| <p>CWE provided construction support for the development of a Natural Park at Washington Elementary School. Tasks included: Stormwater Pollution Prevention Plan (SWPPP) development; Qualified SWPPP Practitioner (QSP) inspections; a completion cost estimate; evaluation of exposed irrigation and waterlines; design of mass and fine grading; drainage and cistern storage; waterlines; non-potable irrigation; reuse irrigation; electrical; water quality Best Management Practices (BMPs); hardscape, landscaping, and site furnishing; and construction management support during pre-construction and construction periods.</p> <p>CWE Project Fee: \$35,000</p> | | | |
| | |  <p><i>"I want to thank CWE for their diligence in seeing the task to its conclusion. I know there were challenges along the way, and I appreciate the professionalism CWE brought to the table in meeting those challenges."</i></p> <p>– Larry E. Smith Community Development Director Los Angeles Conservation Corps</p> | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION <i>(City and State)</i> Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

SECTION F

| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 6 | |
|--|----------------------|--|------------------------------|
| 21. TITLE AND LOCATION <i>(City and State)</i> Metro Division 4 Permeable Concrete Pavement Downey, California | | 22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION <i>(If applicable)</i> Ongoing | |
| 23. PROJECT OWNER'S INFORMATION | | | |
| a. PROJECT OWNER Los Angeles Conservation Corps | | b. POINT OF CONTACT NAME Larry Smith | |
| | | c. POINT OF CONTACT TELEPHONE NUMBER 213-362-7957 | |
| 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> | | | |
| <p>CWE designed of a Permeable Concrete Pavement (PCP) and bioretention facility for LA Metro at their Division 4 non-revenue facility in the City of Downey. Designing the permeable concrete pavement to store and infiltrate the 85th percentile, 24-hour storm event generated within a large portion of the LA Metro site. The bioretention facility will capture flows exceeding the 85th percentile event, and provide additional storage and infiltration capacity. During large storm events, flows exceeding the capacity of the PCP and bioretention facility will be routed to an existing infiltration trench within the site and ultimately discharge into the Rio Hondo. This project is partially funded by Proposition 84. The project benefits METRO by significantly reducing discharge, improving water quality, and addressing the Los Angeles River Trash TMDL.</p> <p>CWE Project Fee: \$168,400</p> | |  | |
| 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT | | | |
| a. | (1) FIRM NAME CWE | (2) FIRM LOCATION <i>(City and State)</i> Fullerton, California | (3) ROLE Prime Consultant |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

| NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) | NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) |
|-----|---|-----|--|
| 1 | City of Los Angeles Garvanza Park Rainwater Capture | 5 | Compton Creek Natural Park at Washington Elementary School |
| 2 | City of Los Angeles Laurel Canyon Boulevard Green Street | 6 | Metro Division 4 Permeable Concrete Pavement |
| 3 | City of Torrance Stormwater Basin and Treatment Wetlands Enhancement Design and Construction Management | 7 | |
| 4 | City of Torrance Machado Lake Trash Screen Basin Construction Administration | 8 | |

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

N/A

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME

CWE

3. YEAR ESTABLISHED

2006

4. DUNS NUMBER

62-338-5296

2b. STREET

1561 E. Orangethorpe Avenue, Suite 240

5. OWNERSHIP

a. TYPE

S Corporation

2c. CITY

Fullerton

2d. STATE

CA

2e. ZIP CODE

92831

b. SMALL BUSINESS STATUS

DBE, MBE, SBE, 8(a)

6a. POINT OF CONTACT NAME AND TITLE

Vik Bapna, Principal

7. NAME OF FIRM (If block 2a is a branch office)

N/A

6b. TELEPHONE NUMBER

(714) 526-7500 Ext. 212

6c. EMAIL ADDRESS

vbapna@cwecorp.com

8a. FORMER FIRM NAME(S) (If any)

N/A

8b. YR. ESTABLISHED

N/A

8c. DUNS NUMBER

N/A

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

| a. Function Code | b. Discipline | c. No. of Employees | | a. Profile Code | b. Experience | c. Revenue Index Number (see below) |
|------------------|-------------------------|---------------------|------------|-----------------|--|-------------------------------------|
| | | (1) FIRM | (2) BRANCH | | | |
| 02 | Administrative | 5 | 4 | A06 | Airports, Terminals, and Hangars | 1 |
| 08 | CAD Technician | 1 | 1 | B02 | Bridges | 1 |
| 12 | Civil Engineer | 19 | 15 | C07 | Coastal Engineering | 1 |
| 14 | Computer Programmer | 1 | 1 | C10 | Commercial Building, Shopping Center | 1 |
| 16 | Construction Inspector | 1 | 1 | C15 | Construction Management | 2 |
| 24 | Environmental Scientist | 6 | 4 | C16 | Construction Surveying | 2 |
| 29 | GIS Specialist | 1 | 1 | C18 | Cost Estimating, Cost Engineering | 1 |
| 38 | Land Surveyor | 1 | 1 | E11 | Environmental Planning | 2 |
| | | | | G04 | GIS Services | 1 |
| | | | | H07 | Highways, Streets, Parking Lots | 2 |
| | | | | I06 | Irrigation, Drainage | 2 |
| | | | | L02 | Land Surveying | 1 |
| | | | | P06 | Planning (Site, Installation, and Project) | 1 |
| | | | | R03 | Railroad, Rapid Transit | 3 |
| | | | | R04 | Recreational Facilities (Parks, Marinas) | 3 |
| | | | | R11 | Rivers, Canals, Waterways, Flood Control | 3 |
| | | | | S09 | Structural Design, Special Structures | 1 |
| | | | | S10 | Surveying, Mapping, Flood Plain Studies | 1 |
| | | | | S11 | Sustainable Design | 3 |
| | | | | S13 | Stormwater Handling and Facilities | 4 |
| | | | | T04 | Topographic Surveying and Mapping | 1 |
| | | | | W02 | Water Resources, Hydrology | 4 |
| Total | | 35 | | | | |

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work

2

b. Non-Federal Work

6

c. Total Work

6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million

6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

Vik Bapna

b. DATE

February 22, 2019

c. NAME AND TITLE

Vik Bapna, Principal



City of Commerce

Statement of Qualification for Various On-call Professional Services

B. Mandatory Requirements

☒ **GENERAL CIVIL ENGINEERING**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: Vik Bapna

Position/Title of Registered Principal: Principal

Professional License Type: CA Registered Civil Engineer License No.: 52060

☐ **STREET IMPROVEMENT ENGINEERING**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **TRAFFIC ENGINEERING**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Traffic Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **INFRASTRUCTURE ENGINEERING**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

Creating a better tomorrow, today.™



City of Commerce

Statement of Qualification for Various On-call Professional Services

☐

ARCHITECTURAL DESIGN

Only open to firms where a principal of the firm is a State of California registered **Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

LANDSCAPE ARCHITECTURE

Only open to firms where a principal of the firm is a State of California registered **Landscape Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

GEOTECHNICAL

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Geotechnical Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐

SURVEYING

Only open to firms where a principal of the firm is a State of California registered **Land Surveyor or pre-1982 Registered Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



City of Commerce

Statement of Qualification for Various On-call Professional Services

☒ **CONSTRUCTION MANAGEMENT AND INSPECTION**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: Vik Bapna

Position/Title of Registered Principal: Principal

Professional License Type: CA Registered Civil Engineer License No.: 52060

☐ **PARK PLANNING AND DESIGN**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Landscape Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **STRUCTURAL ENGINEERING**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer or Structural Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **BUILDING AND FACILITIES ASSESSMENT AND DESIGN**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer, Mechanical Engineer, Structural Engineer, or Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____



City of Commerce

Statement of Qualification for Various On-call Professional Services

☐ **REAL ESTATE/RIGHT-OF-WAY (open to all qualified firms)**

☐ **CIVIL PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **BUILDING AND TENANT IMPROVEMENTS PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Civil Engineer, Structural Engineer, or Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **LANDSCAPE ARCHITECTURE PLAN CHECK**

Only open to firms where a principal of the firm is a State of California registered **Landscape Architect**.

Full Name of Registered Principal: _____

Position/Title of Registered Principal: _____

Professional License Type: _____ License No.: _____

☐ **PLANNING (open to all qualified firms)**

☐ **ENVIRONMENTAL SCIENCE, CEQA, ANALYSIS AND ASSESSMENT, AND REGULATORY COMPLIANCE (open to all qualified firms)**

☐ **STAFF AUGMENTATION (open to all qualified firms)**

PLEASE REVIEW THE FOLLOWING AND SIGN BELOW:

The applicant firm submitting this Statement of Qualifications (SOQ) does hereby affirm that:

- 1) The firm has a local office in Southern California,
- 2) A majority of any awarded work will be performed locally,
- 3) The firm will have a Project Manager, agreeable to the City, available at the firm's local office during the term of any contract with the City,
- 4) The local office representative is authorized to legally execute all contracts with the City,



City of Commerce

Statement of Qualification for Various On-call Professional Services

- 5) The firm is capable of providing the services in the Service Area checked above, including signing and sealing construction documents for permit, and
- 6) The firm will execute the City's standard contract and ownership/principals disclosure form as attached to the SOQ Application Packet, without amendment.

I declare under penalty of perjury that this application is complete, current and accurate as of the date below, and that I will advise the City of Commerce of any changes in writing, including personnel changes if such changes affect the firm's ability to provide required services, prior to negotiating or proposing any services, and that I am legally authorized by the applicant firm to execute contracts with the City.

Vik Bapna, Principal

Name, Title

CWE

Firm Name

V Bapna

Signature

February 22, 2019

Date

Creating a better tomorrow, today.™





City of Commerce

Statement of Qualification for Various On-call Professional Services

C. Supplemental Information

1) Software experience, proficiency and usage by the personnel at your local office:

Considering both the percentage of your staff using the software and their individual depth of experience and expertise in its use, how would you rate your office's capability in utilizing the following software packages (place an "X" in the most appropriate column)?

| | Highly Proficient | Somewhat Proficient | Don't Use |
|--|----------------------|------------------------|--------------|
| a. AutoCAD | X | | |
| b. Microsoft Project | X | | |
| c. Geographical Information Systems (GIS)..... | X | | |
| d. Microsoft Word..... | X | | |
| e. Microsoft Excel | X | | |
| f. Microsoft PowerPoint..... | X | | |
| g. Microsoft Access..... | X | | |
| h. Federal Grant Contract Administration | X | | |
| i. State Grant Contract Administration..... | X | | |
| j. Local Grant Contract Administration | | X | |

2) Disadvantaged Business Enterprise (DBE) Certification:

The CITY has established a "Disadvantaged Business Enterprise" or "DBE" goal of 7.85% for this RFQ. If your firm is DBE certified, please indicate below:

DBE Certified: X YES NO



D. Project Management Approach

CWE implements project management through a combination of administrative steps and procedures to assure project scope and objectives are met on time and within budget. Project management elements are characterized by frequent communication with clients, project team coordination, decision documentation, and multi-step quality control. CWE will work with the project team to determine the best approaches to communication, working through design concerns, and providing timely responses. CWE has used this management program with great success on many projects of similar complexity and size. CWE has received numerous letters of commendation from satisfied clients attesting to the success of our project management program. Copies of these letters can be furnished upon request.



D.1 Coordination

The CWE Project Manager will coordinate team activities and keep the City informed of important progress and transmittals. We have found that a critical key to successful project completion is maintaining communication with the client to discuss progress, identify problems, assign priorities, implement solutions, and accept feedback. Coordination, coupled with progress meetings, avoids delays and ensures that projects are completed on schedule and within budget. We will communicate with the City as frequently as necessary to ensure that efforts for the project are coordinated and moving forward on schedule. Resolving concerns and questions as quickly as possible will keep the project on schedule.

D.2 Project Scheduling

The Project Manager will develop and use comprehensive project schedules to regularly monitor progress and upcoming work items. This has proven successful in keeping track of forthcoming critical issues and decisions. The Project Manager will keep the City apprised of planned work, project progress, and deliverables. The Project Manager will notify the City of any critical issues and changes in the anticipated project progress and delivery of key tasks.

D.3 Budget Control

Two methods for maintaining budgetary control are frequent project accomplishment evaluations and periodic project expenditure monitoring. The CWE Project Manager will regularly evaluate the project



City of Commerce

Statement of Qualification for Various On-call Professional Services

scope of work and the City's objectives to monitor and identify changes that may affect project costs. This approach has proven successful in reducing client costs and developing a clear time schedule for project delivery. CWE recognizes the need for project budget and progress tracking in order to minimize the risk of cost overruns or project deficiencies. Each week, our Project Manager reviews the task charges to ensure accuracy. Each month, our Project Manager receives project summary reports detailing hours charged and costs for that particular period and for the project to date. Our monthly invoices include hours and costs charged to the job for that month, and a summary that shows the amount spent to date and the budget remaining. They are accompanied by a project status report that shows tasks worked on for the month, their percent complete, and critical items for the tasks that remain to be resolved. Regular communication with City staff is always a high priority for the CWE Project Manager to ensure surprises do not occur on the project.

D.4 Quality Assurance

CWE is responsible for delivering accurate and complete work products, and will fulfill that responsibility through Quality Assurance Program implementation. Our Quality Assurance Program ensures that quality work products and services are delivered to our clients on a consistent basis. The Quality Assurance Program will be implemented and maintained throughout the contract duration on a task-by-task basis. This plan will establish the necessary processes to accomplish the following:



- The project is undertaken in accordance with good engineering practices that address all requirements;
- The documents, maps, models, reports, and other deliverables submitted to the City are independently checked and back-checked;
- A Document Control System is developed and maintained; and
- Coordination is closely monitored.

The assigned QA/QC Manager will be responsible for performing quality control checks and managing the independent peer review process of completed deliverables.



City of Commerce

Statement of Qualification for Various On-call Professional Services

E. Caltrans Forms

All Caltrans forms will be provided along with the two (2) copies of the original signed agreement, once received from the City.

Creating a better tomorrow, today.™



Rates

| <u>Engineer/Scientist</u> | <u>2019 Rate/Hour</u> | <u>2020 Rate/Hour</u> | <u>2021 Rate/Hour</u> |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Principal | \$247 | \$257 | \$267 |
| Senior Project Manager | \$243 | \$253 | \$263 |
| Project Manager | \$212 | \$220 | \$229 |
| Technical Manager | \$209 | \$217 | \$226 |
| Task Leader | \$185 | \$192 | \$200 |
| Principal Engineer | \$180 | \$187 | \$194 |
| Senior Engineer | \$171 | \$178 | \$185 |
| Project Engineer | \$149 | \$155 | \$161 |
| Staff Engineer | \$125 | \$130 | \$135 |
| Assistant Engineer | \$101 | \$105 | \$109 |
| Senior Environ. Scientist | \$152 | \$158 | \$164 |
| Environmental Scientist | \$127 | \$132 | \$137 |
| Environmental Analyst | \$94 | \$98 | \$102 |

Construction Services

| | | | |
|-------------------------------|-------|-------|-------|
| Construction Manager | \$174 | \$181 | \$188 |
| Senior Construction Inspector | \$133 | \$138 | \$144 |
| Construction Inspector | \$117 | \$122 | \$127 |

Field Survey

| | | | |
|----------------------|-------|-------|-------|
| Licensed Surveyor | \$162 | \$168 | \$175 |
| 3-Person Survey Crew | \$228 | \$237 | \$246 |
| 2-Person Survey Crew | \$183 | \$190 | \$198 |

Support Services

| | | | |
|-------------------------------|-------|-------|-------|
| GIS Specialist | \$122 | \$127 | \$132 |
| Senior Engineering Technician | \$99 | \$103 | \$107 |
| Engineering Technician | \$87 | \$90 | \$94 |
| CADD Designer | \$101 | \$105 | \$109 |
| Project Coordinator | \$90 | \$94 | \$98 |
| Administrative Assistant | \$81 | \$84 | \$87 |

General

| | | | |
|-------------------------------|------------------|------------------|------------------|
| Direct Expenses | Cost + 10% | Cost + 10% | Cost + 10% |
| Subcontract Services | Cost + 10% | Cost + 10% | Cost + 10% |
| Specialized Computer Programs | \$15 (per hour) | \$15 (per hour) | \$15 (per hour) |
| Mileage | Current IRS Rate | Current IRS Rate | Current IRS Rate |
| Field Vehicle – Hourly | \$12/hour | \$12/hour | \$12/hour |
| Field Vehicle – Daily | \$80/day | \$80/day | \$80/day |
| Field Vehicle – Monthly | \$1,500/month | \$1,500/month | \$1,500/month |
| B&W Photocopies (per page) | \$0.10 | \$0.10 | \$0.10 |
| Color Photocopies (per page) | \$0.50 | \$0.50 | \$0.50 |

Rates will be adjusted annually based on the US Department of Labor, Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers.

Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.

Based on CWE maintaining General Liability Insurance for bodily injury and property damage with an aggregate limit of \$2,000,000 per occurrence. In the event the client desires additional coverage, CWE will, upon the client's written request, obtain additional insurance and adjust the above billing rates accordingly.

EXHIBIT B
GENERAL TERMS AND CONDITIONS

1. Status as Independent Contractor.

A. Consultant is, and shall at all times remain as to City, a wholly independent contractor. Consultant shall have no power to incur any debt, obligation, or liability on behalf of the City of Commerce or otherwise act on behalf of Commerce as an agent. Neither the City of Commerce nor any of its agents shall have control over the conduct of Consultant or any of Consultant's employees, except as set forth in this Agreement. Consultant shall not, at any time, or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of the City of Commerce.

B. Consultant agrees to pay all required taxes on amounts paid to Consultant under this Agreement, and to indemnify and hold City harmless from any and all taxes, assessments, penalties, and interests asserted against City by reason of the independent Consultant relationship created by this Agreement. In the event that City is audited by any Federal or State agency regarding the independent status of Consultant and the audit in any way fails to sustain the validity of a wholly independent Consultant relationship between City and Consultant, then Consultant agrees to reimburse City for all costs, including accounting and attorney's fees, arising out of such audit and any appeals relating thereto.

C. Consultant shall fully comply with the workers' compensation law regarding Consultant and Consultant's employees. Consultant further agrees to indemnify and hold City harmless from any failure of Consultant to comply with applicable worker's compensation laws. City shall have the right to offset against the amount of any fees due to Consultant under this Agreement any amount due to City from Consultant as a result of Consultant's failure to promptly pay to City any reimbursement or indemnification arising under this Section 1.

D. Consultant represents to the City, and City relies on Consultant's representations, that Consultant shall serve solely in the capacity of an independent contractor to the City. Neither the City nor any of its agents will have control over the conduct of Consultant or any of Consultant's employees, except as otherwise set forth in the Agreement. Consultant may not, at any time or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of the City. The City has no duty, obligation, or responsibility to the Consultant's agents or employees, including the Affordable Care Act coverage requirements. Consultant is solely responsible for any tax penalties associated with the failure to offer affordable coverage to its agents and employees under the Affordable Care Act with respect to Consultant's agents and employees. Consultant warrants and represents that the City will not be responsible and will not be held liable for issues related to Consultant's status as an independent contractor, including Consultant's failure to comply with Consultant's duties, obligations, and responsibilities under the Affordable Care Act. Consultant further agrees to defend, indemnify, and hold the City harmless

for any and all taxes, claims, and penalties against the City related to Consultant's obligations under the Affordable Care Act.

2. Standard of Performance

Consultant shall perform all work to the highest professional standards and in a manner reasonably satisfactory to the City Administrator or his/her designee. No additional or different tasks or services shall be performed by Consultant other than those specified in **Exhibit A**.

3. Indemnification.

A. Consultant is skilled in the professional calling necessary to perform the services and duties agreed to be performed under this Agreement, and City is relying upon the skill and knowledge of Consultant to perform said services and duties.

B. City and its respective elected and appointed boards, officials, officers, agents, employees and volunteers (individually and collectively, "Indemnities") shall have no liability to Consultant or any other person for, and Consultant shall indemnify, defend, protect and hold harmless Indemnities from and against, any and all liabilities, claims, actions, causes of action, proceedings, suits, damages, judgments, liens, levies, costs and expenses of whatever nature, including reasonable attorneys' fees and disbursements (collectively "Claims"), which Indemnities may suffer or incur or to which Indemnities may become subject by reason of or arising out of any injury to or death of any person(s), damage to property, loss of use of property, economic loss or other loss occurring as a result of or allegedly caused by Consultant's performance of or failure to perform any services under this Agreement or by the negligent or willful acts or omissions of Consultant, its agents, officers, directors, subcontractor, sub consultant or employees, committed in performing any of the services under this Agreement. Notwithstanding the foregoing, the provisions of this subsection shall not apply to Claims occurring as a result of the City's sole negligence or willful acts or omissions.

C. Consultant agrees to obtain executed indemnity agreements with provisions identical to those set forth in this Section from each and every subcontractor, sub consultant or any other person or entity involved by, for, with or on behalf of Consultant in the performance of this Agreement. In the event Consultant fails to obtain such indemnity obligations from others as required in this Section, Consultant agrees to be fully responsible according to the terms of this Section. Failure of the City to monitor compliance with these requirements imposes no additional obligations on City and will in no way serve as a waiver of any rights hereunder. This obligation to indemnify and defend Indemnities as set forth herein shall survive the termination of this Agreement and is in addition to any rights which City may have under the law. This indemnity is effective without reference to the existence or applicability of any insurance coverage which may have been required under this Agreement or any additional insured endorsements which may extend to

City.

4. Insurance.

A. Without limiting Consultant's indemnification of Indemnities pursuant to Section 3 of this Agreement, Consultant shall obtain and provide and maintain at its own expense during the term of this Agreement the types and amounts of insurance as described below:

(I) Consultant shall maintain Commercial General Liability Insurance with coverage at least as broad as Insurance Services Office Commercial General Liability Form CG 00 01 in an amount not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, for bodily injury, personal injury, and property damage. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. The policy must include contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language will not be accepted.

(II) Consultant shall maintain Business Auto Coverage on ISO Business Auto Coverage Form CA 00 01 covering bodily injury and property damage for all activities of the Consultant arising out of or in connection with Work to be performed under this Agreement, including coverage for any owned, hired, non-owned or rented vehicles, in an amount not less than \$1,000,000 combined single limit for each accident.

(III) Consultant shall maintain Workers' Compensation Insurance (Statutory Limits) and Employer's Liability Insurance with on a state approved policy form providing statutory benefits as required by law with employer's liability limits no less than \$1,000,000 per accident for all covered losses;

(IV) Consultant shall maintain Professional Liability or Errors and Omissions Insurance that covers the services to be performed in connection with this Agreement, in the minimum amount of \$1,000,000 per claim and in the aggregate. Any policy inception date, continuity date, or retroactive date must be before the effective date of this Agreement and Consultant agrees to maintain continuous coverage through a period no less than three (3) years after completion of the services required by this Agreement.

B. City, its officers, officials, employees and volunteers shall be named as additional insureds on the policy(ies) as to commercial general liability and automotive liability.

C. All insurance policies shall be issued by an insurance company currently authorized by the Insurance Commissioner to transact business of insurance or is on the List of Approved Surplus Line Insurers in the State of California, with an assigned policyholders' Rating of A- (or higher) and Financial Size Category Class VI (or larger)

in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by the City's Risk Manager.

D. All insurance policies shall provide that the insurance coverage shall not be non-renewed, canceled, reduced, or otherwise modified (except through the addition of additional insureds to the policy) by the insurance carrier without the insurance carrier giving City thirty (30) days' prior written notice thereof. Any such thirty (30) day notice shall be submitted to CITY via certified mail, return receipt requested, addressed to "Director of Human Resources & Risk Management," City of Commerce, 2535 Commerce Way, Commerce, California, 90040. Consultant agrees that it will not cancel, reduce or otherwise modify said insurance coverage.

E. Consultant shall submit to City (I) insurance certificates indicating compliance with the minimum worker's compensation insurance requirements above, and (II) insurance policy endorsements indicating compliance with all other minimum insurance requirements above, not less than one (1) day prior to beginning of performance under this Agreement. Endorsements shall be executed on City's appropriate standard forms entitled "Additional Insured Endorsement".

F. Consultant's insurance shall be primary as respects the City, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees and volunteers shall be excess of Consultant's insurance and shall not contribute with it.

G. Consultant agrees that if it does not keep the aforesaid insurance in full force and effect, and such insurance is available at a reasonable cost. City may take out the necessary insurance and pay the premium thereon, and the repayment thereof shall be deemed an obligation of Consultant's and the cost of such insurance may be deducted, at the option of City, from payments due Consultant.

5. Release of Information/Confidentiality.

A. Consultant in the course of its duties may have access to confidential data of City, private individuals, or employees of the City. Consultant covenants that all data, documents, discussion, or other information developed or received by Consultant or provided for performance of this Agreement are deemed confidential and shall not be disclosed by Consultant without written authorization by City. City shall grant such authorization if disclosure is required by law. All City data shall be returned to City upon the termination of this Agreement. Consultant, its officers, employees, agents, or subconsultants, shall not without written authorization from the City Administrator, voluntarily provide declarations, letters of support, testimony at depositions, response to interrogatories, or other information concerning the work performed under this Agreement or relating to any project or property located within the City. Response to a subpoena or court order shall not be considered "voluntary" provided Consultant gives City notice of such court order or subpoena. Consultant's covenant under this section shall survive the termination of this Agreement.

B. Consultant shall promptly notify City should Consultant, its officers, employees, agents, or subconsultants be served with any summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, request for admissions, or other discovery request, court order, or subpoena from any person or party regarding this Agreement and the work performed thereunder. City retains the right, but has no obligation, to represent Consultant and/or be present at any deposition, hearing, or similar proceeding. Consultant agrees to cooperate fully with City and to provide the opportunity to review any response to discovery requests provided by Consultant. However, City's right to review any such response does not imply or mean the right by City to control, direct, or rewrite said response

6. Ownership of Work Product.

A. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the City that relate to the performance of services under this Agreement. Consultant shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Consultant shall provide free access to the representatives of the City or its designees at reasonable times to such books and records; shall give the City the right to examine and audit said books and records; shall permit the City to make transcripts therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement. Such records, together with supporting documents, shall be maintained for a period of three (3) years after receipt of final payment.

B. Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to be performed pursuant to this Agreement shall become the sole property of the City and may be used, reused, or otherwise disposed of by the City without the permission of the Consultant. With respect to computer files, Consultant shall make available to the City, at the Consultant's office and upon reasonable written request by the City, the necessary computer software and hardware for purposes of accessing, compiling, transferring, and printing computer files.

7. Conflict of Interest.

A. Consultant covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which may be affected by the services to be performed by Consultant under this Agreement, or which would conflict in any manner with the performance of its services hereunder. Consultant further covenants that, in performance of this Agreement, no person having any such interest shall be employed by it. Furthermore, Consultant shall avoid the appearance of having any interest which would conflict in any manner with the performance of its services pursuant to this

Agreement.

B. Consultant covenants not to give or receive any compensation, monetary or otherwise, to or from the ultimate vendor(s) of services to City as a result of the performance of this Agreement, or the services that may be procured by the City as a result of the recommendations made by Consultant's covenants under this section shall survive the termination of this Agreement.

8. Termination. Notwithstanding any other provision, this Agreement may be duly terminated at any time by the City at its sole discretion with or without cause by serving upon the consultant at least ten (10) days prior written notice ("Notice of Termination"). Upon receipt of said notice, the Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Unless expressly agreed upon in writing by the City, the City shall not be obligated to pay for any services rendered nor any costs or expenses paid or incurred after the date of termination. The effective date of termination shall be upon the date specified in the written Notice of Termination. Consultant agrees that in the event of such termination, Consultant must refund the City its prorated share, except for services satisfactorily rendered prior to the effective date of termination. Immediately upon receiving written Notice of Termination, Consultant shall discontinue performing services, preserve the product of the services and upon payment for services, turn over to City the product of the services in accordance with written instructions of City.

In the event this Agreement is terminated pursuant to this Section, the City shall pay to Consultant the actual value of the work performed up to the time of termination, provided that the work performed is of value to the City. Upon termination of the Agreement pursuant to this Section, the Consultant will submit an invoice to the City.

9. Personnel. Consultant represents that it has, or will secure at its own expense, all personnel required to perform the services under this Agreement. All of the services required under this Agreement will be performed by Consultant or under its supervision, and all personnel engaged in the work shall be qualified to perform such services. Consultant reserves the right to determine the assignment of its own employees to the performance of Consultant's services under this Agreement, but City reserves the right, for good cause, to require Consultant to exclude any employee from performing services on City's premises.

10. Non-Discrimination and Equal Employment Opportunity.

A. Consultant shall not discriminate as to race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation, in the performance of its services and duties pursuant to this Agreement, and will comply with all rules and regulations of City relating thereto. Such nondiscrimination shall include but not be limited to the following: employment, upgrading, demotion, transfers, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training,

including apprenticeship.

B. Consultant will, in all solicitations or advertisements for employees placed by or on behalf of Consultant state either that it is an equal opportunity employer or that all qualified applicants will receive consideration for employment without regard to race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation.

C. Consultant will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this Agreement except contracts or subcontracts for standard commercial supplies or raw materials.

11. Assignment. Consultant shall not assign or transfer any interest in this Agreement nor the performance of any of Consultant obligations hereunder, without the prior written consent of City, and any attempt by Consultant to assign this Agreement or any rights, duties, or obligations arising hereunder shall be void and of no effect.

12. Performance Evaluation. For any Agreement in effect for twelve months or longer, the City Administrator may require a written annual administrative performance evaluation within ninety (90) days of the first anniversary of the effective date of this Agreement, and each year thereafter throughout the term of this Agreement. The work product required by this Agreement shall be utilized as the basis for review, and any comments or complaints received by City during the review period, either orally or in writing, shall be considered. City shall meet with Consultant prior to preparing the written report. If any noncompliance with the Agreement is found, City may direct Consultant to correct the inadequacies, or, in the alternative, may terminate this Agreement as provided herein.

13. Compliance with Laws. Consultant shall keep itself informed of State, Federal and Local laws, ordinances, codes and regulations which in any manner affect those employed by it or in any way affect the performance of its service pursuant to this Agreement. Consultant shall at all times comply with such laws, ordinances, codes and regulations. The City, its officers and employees shall not be liable at law or in equity occasioned by failure of Consultant to comply with this Section.

14. Licenses. At all times during the term of this Agreement, Consultant shall have in full force and effect all licenses (including a City business license) required of it by law for performance of the services hereunder.

15. Non-Waiver of Terms, Rights and Remedies. Waiver by either party of any one or more of the conditions of performance under this Agreement shall not be a waiver of any other condition of performance under this Agreement. In no event shall the making by City of any payment to Consultant constitute or be construed as a waiver by City of any breach of covenant, or any default which may then exist on the part of Consultant, and the making of any such payment by City shall in no way impair or prejudice any right or remedy available to City with regard to such breach or default.

16. Attorney's Fees. In the event that either party to this Agreement shall commence any legal or equitable action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees and costs, including costs of expert witnesses and Consultant.

17. Notices. Any notices, bills, invoices, or reports required by this Agreement shall be deemed received on (a) the day of delivery if delivered by hand during Consultant regular business hours or by facsimile before or during Consultant regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses heretofore set forth in the Agreement, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this section.

18. Governing Law. This Agreement shall be construed and interpreted both as to validity and to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Los Angeles, State of California. However, the Parties may agree to submit any dispute to non-binding arbitration.

19. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be the original, and all of which together shall constitute one and the same instrument.

20. Severability. If any provision or any part of any provision of this Agreement is found to be invalid or unenforceable, the balance of this Agreement shall remain in full force and effect.

21. Entire Agreement. This Agreement, and any other documents incorporated herein by specific reference, represents the entire and integrated agreement between Consultant and City. This Agreement supersedes all prior oral or written negotiations, representations or agreements. This Agreement may not be amended, nor any provision or breach hereof waived, except in a writing signed by the Parties which expressly refers to this Agreement. Amendments on behalf of the City will only be valid if signed by the Mayor and attested by the City Clerk.

22. Authority. The person or persons executing this Agreement on behalf of Consultant warrants and represents that he/she has the authority to execute this Agreement on behalf of Consultant and has the authority to bind Consultant to the performance of its obligations hereunder.

