



City of Hollywood
Procurement Services
Steve Stewart, Chief Procurement Officer
2600 Hollywood Boulevard, Hollywood, FL 33020

PROPOSAL DOCUMENT REPORT

RFQ No. RFQ-118-23-JJ

DESIGN, CONSTRUCTION ENGINEERING AND INSPECTION SERVICES

RESPONSE DEADLINE: October 2, 2023 at 3:00 pm

Report Generated: Thursday, December 14, 2023

Tetra Tech, Inc. Proposal

CONTACT INFORMATION

Company:

Tetra Tech, Inc.

Email:

carey.baird@tetrattech.com

Contact:

Carey Baird

Address:

201 E. Pine Street
Suite 1000
Orlando, FL 32801

Phone:

(407) 839-3955

Website:

N/A

Submission Date:

Oct 2, 2023 12:59 PM

ADDENDA CONFIRMATION

Addendum #1

Confirmed Sep 28, 2023 8:37 AM by Carey Baird

QUESTIONNAIRE

1. Upload Statement of Qualification*

Proposals or Statements of Qualifications should be organized using the following format:

- A. Table of Contents
- B. Executive Summary
- C. Firm's Qualification & Experience
- D. Organizational Profile and Project Team Qualifications
- E. Approach to Scope of Work
- F. References/Past Performances

Please refer to [#SUBMITTAL REQUIREMENTS](#) section, for details regarding the requirement of each section of the Statement of Qualification.

TetraTech-Hollywood_RFQ-118-23-JJ.pdf

2. Vendor Reference Form*

Please download the below documents, complete, and upload.

- [Vendor Reference Form \(1\).pdf](#)

Vendor_Reference_Form_Miami-Dade.pdfVendor_Reference_Form_NorthMiami.pdfVendor_Reference_Form_PompanoBeach.pdf

3. Hold Harmless and Indemnity Clause *

I, an authorized representative, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.

Confirmed

4. Non-Collusion Statement*

I, being first duly sworn, depose that:

- A. He/she is an authorized representative of the Company, the Proposer that has submitted the attached Proposal.
- B. He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;
- C. Such Proposal is genuine and is not a collusion or sham Proposal;
- D. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and
- E. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Confirmed

5. Certifications Regarding Debarment, Suspension and Other Responsibility Matters*

The applicant certifies that it and its principals:

Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Confirmed

6. Drug-Free Workplace Program*

A. IDENTICAL TIE PROPOSALS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Confirmed

7. Solicitation, Giving, and Acceptance of Gifts Policy*

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

- Real property or its use,
- Tangible or intangible personal property, or its use,
- A preferential rate or terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,
- Transportation, lodging, or parking,
- Food or beverage,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements
- Services provided by persons pursuant to a professional license or certificate.
- Other personal services for which a fee is normally charged by the person providing the services.
- Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Confirmed

8. List of Subcontractors*

Please download the below documents, complete, and upload.

- [Form 14 - List of Subcontra...](#)

Form_14_-_List_of_Subcontractors.docx.pdf

9. Certificate of Insurance*

See requirements in the [#SPECIAL TERMS AND CONDITIONS](#) section.

City_of_Hollywood_-_22100725422914_-_570095985099.pdf

10. Proof of Sunbiz Registration*

Enter company FEIN to be verified in Sunbiz

95-4148514

[Click to Verify](#) *Value will be copied to clipboard*

11. Proof of License - Department of Business & Professional Regulation

Enter license number to be verified in Department of Business & Professional Regulation

#2429; see page 24 of our submittal for additional information.

[Click to Verify](#) *Value will be copied to clipboard*

12. ACKNOWLEDGMENT AND SIGNATURE PAGE

IF CORPORATION - DATE INCORPORATED/ORGANIZED:*

02/04/1988

STATE INCORPORATED/ORGANIZED:*

Delaware

REMITTANCE ADDRESS*

6303 Waterford District Dr., Ste. 305, Miami, FL 33126

BIDDER/PROPOSER'S AUTHORIZED REPRESENTATIVE'S TYPED FULL NAME*

Kenneth Caban

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.*

Confirmed

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.*

Confirmed

PROPOSAL FORM*

Please download the below documents, complete, and upload.

- [Proposal Form.docx](#)

Proposal_Form.docx

13. SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM STATEMENT IS SUBMITTED TO THE CITY OF HOLLYWOOD BY:*

(Print individual's name and title) (Print name of entity submitting sworn statement)

Kenneth Caban, Vice President | Tetra Tech, Inc.

SWORN STATEMENT CONTINUATION:*

Enter business address:

6303 Waterford District Dr., Ste. 305, Miami, FL 33126

SWORN STATEMENT CONTINUATION:*

Enter Federal Employer Identification Number (FEIN) is:

If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

95-4148514

SWORN STATEMENT CONTINUATION:*

I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

Kenneth Caban, Vice President | Tetra Tech, Inc.

SWORN STATEMENT CONTINUATION:*

I understand that “Affiliate,” as defined in paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime, or
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm’s length agreement, shall be a prima facie case that

one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

Confirmed

SWORN STATEMENT CONTINUATION:*

I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity.

The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity

Confirmed

SWORN STATEMENT CONTINUATION:*

Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

SWORN STATEMENT CONFIRMATION*

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Confirmed



PROPOSAL FOR

DESIGN, CONSTRUCTION ENGINEERING AND INSPECTION SERVICES

October 2, 2023

RFQ-118-23-JJ



TETRA TECH

City of Hollywood
Department of Public Utilities
c/o City Clerk
2600 Hollywood Blvd
Hollywood, FL 33022-9045

SUBJECT: RFQ-118-23-JJ -DESIGN, CONSTRUCTION ENGINEERING AND INSPECTION SERVICES FOR THE CITY OF HOLLYWOOD, FLORIDA (CITY)

Dear Selection Committee Members:

The City of Hollywood (City) is seeking qualified and experienced firms to provide design, construction administration, grant management, resident engineering and inspection services related to Water, Wastewater, and Stormwater Projects for the City. Tetra Tech has been a trusted partner to the City in this capacity for over 20 years.

Based on the City's solicitation, it is our understanding that the City seeks assistance with the following seven projects:

- 1. Washington Park Utilities Improvements Projects**
2. Sewer Expansion between Arthur Street and Taft Street, and from North 35th Avenue to North Park Road
- 3. Sewer Expansion between Buchanan Street and Fillmore Street, and from North 72nd Avenue to North 70th Way**
4. Lift Station E-8 Replacement
5. Implementation of 4-Log Virus Disinfection Process at the Water Treatment Plant
6. Sodium Hypochlorite Disinfection Conversion at the Southern Regional Wastewater Treatment Plant
7. Design and Construction Management of Lift Station E-8 Generator

Proven Results

Tetra Tech has unique knowledge and understanding of Projects 1 and 3 and can best assist the City to successfully construct these projects.

It is our understanding that construction administration, grant management, resident engineering, and inspection services will be required for Projects 1-7, and that Project 7 will also require design, permitting, and bid phase services.

Tetra Tech has assisted the City with many of these projects in some capacity, and is the design engineer of record for Projects 1 and 3. Our in-depth knowledge of the proposed infrastructure, permit conditions, stakeholder issues, and other key project components are invaluable to the City and its citizens.

Tetra Tech is a full-service engineering consulting firm established in 1966 with a strong South Florida presence and offices throughout the state, including our Miami office. Our firm is committed to quality service and cost-effective solutions for the City of Hollywood.

Tetra Tech is one of the largest engineering firms in the nation and is currently ranked No. 1 in water supply, water treatment, environmental management, as well as No. 4 in design firms by *Engineering News-Record (ENR)*. Our local office philosophy allows our clients to benefit from the best of both worlds; local, personalized service with nationally recognized resources. As a national full-service firm, Tetra Tech has the resources to provide all of the services necessary for these projects.

Our presence and repeat selection for continuing contracts in South Florida, and with the City, exemplify our commitment to client satisfaction. We have planned, designed, permitted, and overseen the construction of numerous projects in South Florida because of our dedication to these continuing contracts.

Tetra Tech currently provides similar services to the City through the existing continuing contract. We have held this contract since 2003. We have successfully completed numerous projects as part of this contract, including:

- Harbor Island Emergency Force Main Replacement
- Stirling Road 8-Inch Water Main Extension
- SR A1A and Freedom Street Emergency Force Main Repair Permitting
- SR A1A and Taylor Street Emergency Water Main Repair Permitting
- Project 11-5111 – Hollywood Blvd to Johnson Street between N 46th Avenue and N. 52nd Avenue
- Project 13-5119 – Hollywood Blvd to Sheridan Street between Federal Highway and the Intracoastal Waterway
- Project 14-5124 – Hollywood Blvd to Sheridan Street from Federal Highway to N. 21st Avenue
- Project 15-5130 – Hollywood Boulevard from N 21st Avenue to City Hall Circle
- Project 16-5136 – Pembroke Road and Hollywood Boulevard from South 56th Avenue to State Road 7
- Stormwater Pump Stations Assessment
- Hollywood Beach Infrastructure Improvements
- Boulevard Heights
- Grants Management and Assistance

In addition to the projects we have successfully completed for the City, Tetra Tech is working with the City on the preparation of the citywide vulnerability assessment update. Moreover, we have assisted other municipalities and agencies with similar design and construction phase services, including:

- City of Fort Lauderdale Pump Station A-7 – design, permitting, bidding, and construction phase services
- City of Fort Lauderdale Lake Estates Small Water Main Replacement – design, permitting, bidding, and construction phase services



- City of Fort Lauderdale East Las Olas Boulevard Force Main Replacement – design, permitting, bidding, and construction phase services
- City of North Miami NE 6th Avenue Water Main Replacement – design, permitting, bidding, and construction phase services
- Port Miami Roadway and Drainage Improvements – design, permitting, bidding, and construction phase services

Currently, Tetra Tech is serving as continuing consultant to over 50 governmental agencies in Florida. Projects for this assignment will be performed and delivered from our Miami office. Our proposed team of professionals, well known to the City, is extremely qualified to deliver the City's proposed projects for the following reasons:

- **Local Experience.** Our professionals have served locally since 1975 on a wide range of civil engineering projects, including those identified within the City's RFQ. We have provided services from project inception and planning to design, permitting, and construction management for numerous coastal municipalities and look forward to working with the City as one of its General Engineering Consultants.
- **Proven Results.** Tetra Tech has provided general engineering services to numerous municipalities and major utility providers throughout Broward and Miami-Dade Counties, throughout the State of Florida, and nationally. Tetra Tech continues to serve these municipalities because we produce results year after year. We believe that the extensive experience we have with similar projects and local experience will enable Tetra Tech and our team members to successfully execute projects for the City of Hollywood.
- **Ability to Perform the Work.** Our team is positioned to dedicate resources to immediately implement City projects. From our City of Miami office and from the more than 500 professionals located throughout the State of Florida, we are ready to deliver any size project to meet the City's needs. Our Project Manager, Ken Caban, PE, LEED AP, will ensure that the team meets or exceeds the City's expectations, as he has previously.
- **Experienced Personnel.** Our team represents more than 300 years of combined continuing consultant contract experience. We will manage the proper execution of projects assigned through this contract. As demonstrated within this submittal, we have the capabilities to provide the full range of engineering services requested by the City.
- **Successful Project Delivery.** At Tetra Tech, we pride ourselves on delivering on-time and on-budget projects. We use several tools to ensure successful projects, including a structured project management approach, with monthly estimates of project completion status, and reviews of time to complete and budget remaining.

We submit this statement of qualifications for the City's consideration to select Tetra Tech as one of your consultants. Our entire team is committed to continue serving as an extension of the City's staff. We look forward to the opportunity to bring our years of experience, local knowledge, and dedication to quality service to the City of Hollywood.



Ken Caban, PE, LEED AP
Vice President

6303 Waterford District Dr., Ste. 305, Miami, FL 33126
TEL: 305.849.3404 | www.tetrattech.com

TAB A

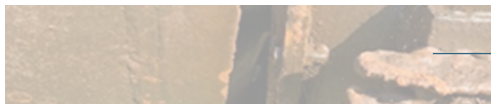


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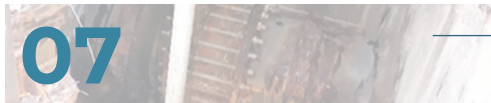


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TAB D: ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS



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TAB E: APPROACH TO SCOPE OF WORK



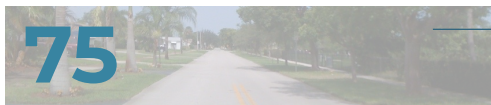
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TAB F: KNOWLEDGE OF THE SITE AND LOCAL CONDITIONS



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TAB G: REFERENCES – VENDOR REFERENCE FORM



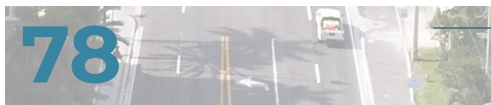
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TAB J: LEGAL PROCEEDINGS AND PERFORMANCE



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TAB B

EXECUTIVE SUMMARY

LOCAL AND GLOBAL

Tetra Tech is a full-service engineering consulting firm that offers proven experience and demonstrated excellence in professional engineering services in the water and wastewater utilities, hydrogeologic, roadway, stormwater, geotechnical, construction management, and environmental disciplines. A registered corporation in Florida, Tetra Tech serves over 50 public entities under continuing services contracts. Tetra Tech has provided these services to clients in Florida since 1975. It is our core belief that our professionals serve as an extension of our client's staff. We emphasize serving the specific project needs of the City of Hollywood while maintaining and updating an in-depth knowledge of the City's various systems.

Tetra Tech has more than 550 offices worldwide and eight infrastructure offices serving Florida. The City of Hollywood will be served from our Miami office, just a few miles from the City of Hollywood's Office. Our proximity and management philosophy will allow sound communication between the Tetra Tech team and City staff. Physical proximity will also enhance the involvement of City staff in every element of planning, design, permitting, and construction. Tetra Tech is committed to continuing to provide the City with on-time, responsive service without delays.

Tetra Tech takes a proactive approach to all levels of project management, including engineering studies, design and plan development, permitting, and construction administration. Our management plan is based on client service and technical excellence. Tetra Tech has developed and refined this approach through numerous continuing contracts we have throughout South Florida and beyond.

HISTORY SERVING THE CITY OF HOLLYWOOD

Tetra Tech has provided engineering services to the City of Hollywood since 2003. Our understanding of the City's underground infrastructure and its operation has been gained through years of dedicated service to the Engineering and Underground Utilities Divisions of the Public Utilities Department. Our work with the City includes work on the water, wastewater, roadways, and stormwater systems, and grant and asset management.

OFFICE LOCATION

The City will be served from our Miami office for this project. Our proximity to the project sites and City offices will facilitate client service to the City. From our office in Miami, we have successfully completed numerous projects for the City of Hollywood and other municipalities in South Florida.

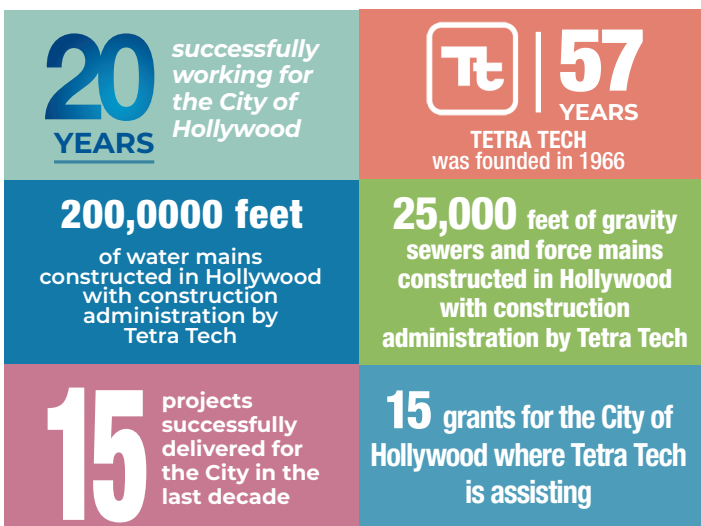
Tetra Tech has assisted the City with its Water Programs since 2010, including incorporation of stormwater improvements and backflow prevention valves within some project areas. Because of our office location, we are able to successfully design, permit, and assist during the construction of various projects. Our location allows ease of coordination between the City, regulatory agencies, and the project site.

Tetra Tech, Inc.
6303 Waterford District Dr., Ste. 305, Miami, FL 33126
tel: 305.908.1441 | fax: 305.264.1805
ken.caban@tetrattech.com
Primary Contact: Ken Caban, PE, LEED AP

KEY PERSONNEL DIRECTLY INVOLVED ON PROJECTS

The following officers, principals, supervisory staff, and key individuals who will be directly involved with the work and their office locations are listed below:

- Jon Fox | Orlando, FL
- Diana Santander | Miami, FL
- Ken Caban | Miami, FL
- Jamey Wallace | Orlando, FL
- Brett Messner | Estero, FL
- Christopher Zavatsky | Miami, FL
- Alberto Abarca | Orlando, FL
- Ivet Llerena | Miami, FL



The Tetra Tech team brings the best of the best, successfully delivering some of the most high-profile coastal resiliency and infrastructure projects in the United States, as well as key municipal infrastructure, environmental enhancements, and open space projects in South Florida. Tetra Tech has a vested interest in the success of the City's continuing services projects.

FIRM DESCRIPTION

Tetra Tech was founded in 1966 to provide engineering services for waterways, harbors, and coastal areas. We are highly ranked by *Engineering News-Record (ENR)*, including ranked No. 1 in numerous categories. Tetra Tech is ranked the No. 4 Top 500 Design Firm in the United States by *ENR*. Over the past 57 years, we have substantially increased the size and scope of our business becoming a more diverse company, including individuals with expertise in science research, engineering, construction, and information technology through a network of more than 550 offices and 27,000 associates.

Tetra Tech is a leading provider of high-end consulting and engineering services for projects worldwide. We provide clear solutions to complex problems in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech is Leading with Science® to provide sustainable and resilient solutions for our clients.



TETRA TECH HAS DESIGNED OVER 50 MILES OF WATER MAIN REPLACEMENT FOR THE CITY'S WATER MAIN REPLACEMENT PROGRAM AND ASSISTED WITH CONSTRUCTION OVERSIGHT


We have more than 500 staff in Florida, including those in South Florida offices. Tetra Tech's technical knowledge and hands-on site work is broad and deep. Our staff is supported by a uniform administrative and management system that project teams access in real-time to effectively complete work. As a full-service multidisciplinary firm, Tetra Tech has every type of professional necessary for this project.

[illegible]

TETRA TECH IS ASSISTING THE CITY TO MEET ITS INFRASTRUCTURE NEEDS IN THE BOULEVARD HEIGHTS NEIGHBORHOOD

CITY OF HOLLYWOOD

WATER MAIN REPLACEMENT PEMBROKE RD TO HOLLYWOOD BLVD FROM S. 52ND AND S. 56TH AVE TO US 441
AND WASHINGTON PARKLAWN ACROSS SEPTIC TO SEWER CONVERSION - PHASE 1A



001 BERRY STREET, SUITE 212
HOLLYWOOD, FLORIDA 33021
PHONE: (305) 966-1100

CITY OF HOLLYWOOD
3000 N. W. 10TH AVE
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD

JOB NUMBER

UNDA SHIMBROCK - COMMISSIONER (DISTRICT 1)

UNDA HILL ANDERSON - COMMISSIONER (DISTRICT 2)

TRACY CALLAN - COMMISSIONER (DISTRICT 3)

JOHN GUNDEL - COMMISSIONER (DISTRICT 4)

KEVIN D. BOWMAN - COMMISSIONER (DISTRICT 5)

CARYL S. SHAWMY - VICE MAYOR (DISTRICT 6)

PROJECT LOCATION


PHASE 1A: S. 52ND AVE TO S. 56TH AVE TO US 441 & S 57th AVE

PROJECT No.:

PROJECT DESCRIPTION NOTES

DATE OF SUBMITTAL: SEPTEMBER 2021 - 60% SUBMITTAL

VICINITY MAP



**PHASE 1A
PROJECT AREA**

THESE PLANS HAVE BEEN PROVIDED WITH THE DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL AND SPECIFICATIONS. ALL CONSTRUCTION WILL BE PERFORMED ACCORDING TO THE SPECIFICATIONS.

NOTE: THIS ENTIRE PROJECT WILL BE CONSTRUCTED AT NIGHT AND ON WEEKENDS

**TETRA TECH IS ASSISTING THE CITY
TO MEET ITS INFRASTRUCTURE NEEDS IN THE
WASHINGTON PARK NEIGHBORHOOD**

TAB C

FIRM QUALIFICATIONS AND EXPERIENCE

GENERAL ENGINEERING
CONTRACT EXPERIENCE

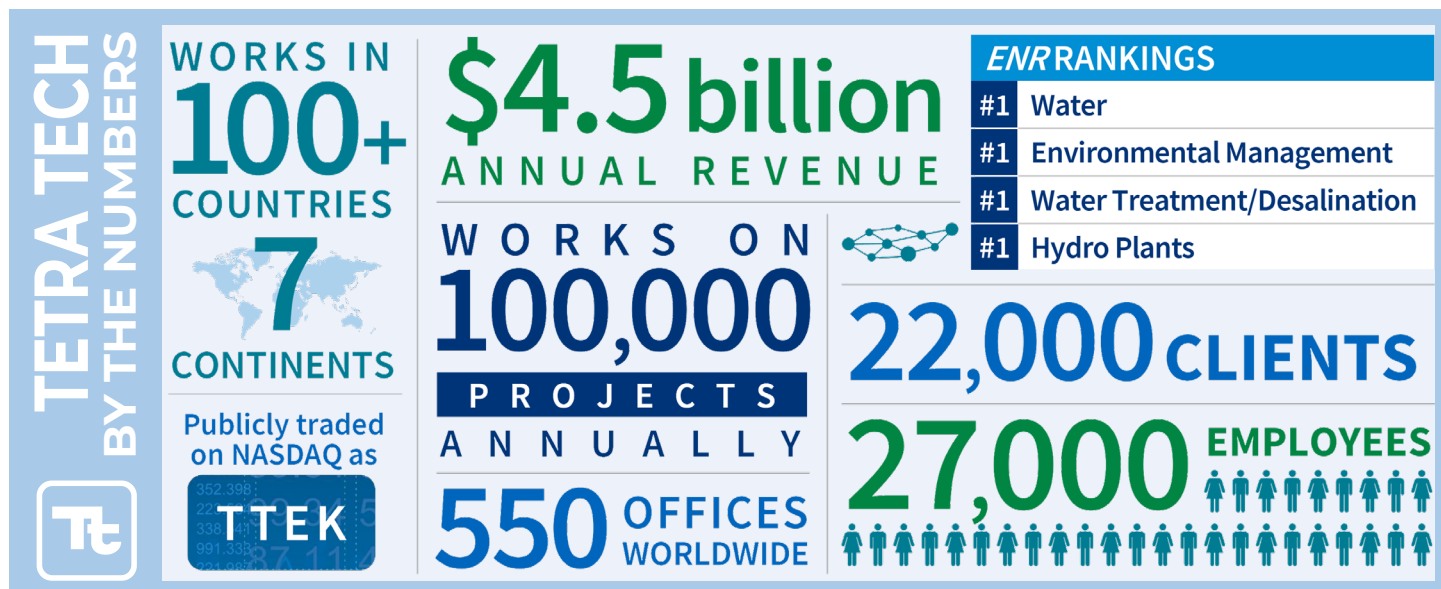
Tetra Tech, a corporation legally registered in the State of Florida, has provided a variety of engineering services through general engineering continuing contracts for hundreds of clients across the country. Our portfolio includes thousands of projects from minor pipeline improvements and lift stations upgrades to watershed, management studies to treatment plant improvements and expansions. Through efficient management and effective leadership, our professionals have worked as an extension of our client's staff providing similar as-needed general engineering services for over 100 clients across the southeast under general engineering services contracts, including the City of Hollywood and other municipalities like Fort Lauderdale, Pompano Beach, City of Coral Gables, and North Miami. Many of these are repeat clients as Tetra Tech has provided responsive service and innovative solutions on-time and within budget.

OUR TECHNICAL EXPERIENCE

Tetra Tech has extensive experience throughout Florida with pipelines, pump stations, green infrastructure, climate change, sea level rise, and resiliency experience, as well as in the southeast and around the world.

Relevant areas of key expertise include:

- **Water, Wastewater, Reuse, and Stormwater Conveyance:** We have planned, designed, permitted and provided construction management services hundreds of miles of water lines throughout the southeastern US ranging from 6-inch to 72-inch diameter pipelines. This experience includes construction through complex corridors, including roadway, railroad, and even water body crossings and environmentally sensitive areas. Tetra Tech has designed over 50 miles of water main replacements for the City's Water Main Replacement Program.
- **Pumping and Storage Facilities:** Our experience also includes the design and construction management of hundreds of water, wastewater, combined sewer, and stormwater pump station and storage projects ranging from 1 MGD up to 206 MGD stations.
- **Stormwater Related Environmental Services:** Tetra Tech has extensive climate resiliency and drought management experience. For Miami-Dade, Tetra Tech assisted with the incorporation of resiliency, climate change, and sea level rise into all planning and preliminary design activities for their CIP program. Tetra Tech is providing leading-edge implementation of stormwater capture and green infrastructure planning for cities such as San Diego and Detroit. The Detroit program involves coordination between city departments and implementation of new ordinances.



OUR PERFORMANCE

While experience and innovative solutions are part of what the City of Hollywood looks for in a consultant; responsiveness, flexibility, and project management discipline are the keys to effective, efficient project delivery. Our proven track record of success is highlighted by 80 percent of our work coming from repeat clients. The experience, safety record, organizational capability, and project management presented in this proposal demonstrates our performance.

SIMILAR EXPERIENCE

Our extensive experience with similar projects enables Tetra Tech to provide the City with high-quality service. The table of the following page presents an overview of Tetra Tech’s expertise with similar continuing professional services contracts. Following Tables 3.1 and 3.2, we have provided detailed descriptions of some of our most relevant experience within the last five years.



Table C.1: Infrastructure Depth of Florida Project Experience

FLORIDA CLIENT	DATES OF SERVICE	RELEVANT WORK PERFORMED
City of Hollywood	2003 to Present	<ul style="list-style-type: none">• Construction administration• Design and permitting for water main replacements, including trenchless installations• Railway crossings• Multiple permitting agencies• Various pipe sizes and materials• Numerous trenchless installations
City of North Miami	2010 to Present	<ul style="list-style-type: none">• Construction administration• Assistance with water system hydraulic modeling of the existing and future scenarios• Technical review of contract documents for the rehabilitation of six surficial water supply wells• Technical review of contract documents for the rehabilitation of four dual media filters• Design of water mains, force mains, and gravity sewers, including horizontal directional drilling• Basis of design and contract documents for the rehabilitation of other WTP process components• Stormwater

FLORIDA CLIENT	DATES OF SERVICE	RELEVANT WORK PERFORMED
Miami-Dade County Water and Sewer Department	2009 to Present	<ul style="list-style-type: none"> • Construction administration • Basis of Design Reports for wastewater collection and transmission systems • Pump station evaluation • Gravity systems • Pressure systems • Urban District areas • Population growth and future needs evaluation • Existing utilities evaluation and optimization • Stakeholder coordination • Hydraulic modeling • Cost estimating and scheduling • Climate change • Regulatory compliance • Sea level rise
City of North Miami Beach	1999 to 2012	<ul style="list-style-type: none"> • Construction administration • Raw water supply wellfield expansion and design • Raw water treatability and pilot studies • 17.0 MGD WTP Expansion • Review of interconnects agreements and negotiations • Utility system financing, bonds, and grant programs • Operations center storage and booster station • Permitting – DoH, DERM, SFWMD, MDWASD • Construction administration • Quarterly and annual reports preparation
City of Fort Lauderdale	2012 to Present	<ul style="list-style-type: none"> • Construction administration • Potable water quality improvements • Fire hydrant coverage improvements • Water main bridge crossing • FDOT R/W utility replacement • Gravity sewer improvements • Lift station improvements at D10 and D11 • FDOT R/W force main replacement • Force main bridge crossing
City of Pompano Beach	2016 to Present	<ul style="list-style-type: none"> • Construction administration • WTP Hurricane Hardening: <ul style="list-style-type: none"> – Study – Architectural and structural engineering design – Permitting – Construction bidding/administration – Water supply and piping evaluations and design

FLORIDA CLIENT	DATES OF SERVICE	RELEVANT WORK PERFORMED
City of Key Biscayne	2004 to Present	<ul style="list-style-type: none"> • Construction administration • Stormwater master planning • Sea level rise mitigation • Climate change resiliency • Lunar tide vulnerabilities mitigation • Design, permitting, and construction administration • Backflow valves • Outfall rehabilitation
Collier County	1998 to Present	<ul style="list-style-type: none"> • Construction administration • Raw, potable, and reuse mains • Multiple lift station improvements • Odor control assistance • Emergency power design
City of Orlando	2000 to Present	<ul style="list-style-type: none"> • Construction administration • Lift Station 69 Improvements • Wastewater CADD services • Lift Station Site Improvements (8 Stations) • Improvements to Lift Stations 16, 17, 52 & 57 • Sanitary Sewer System Desktop Evaluation Azalea Park/Lift Station Nos. 12 & 69 • Electrical Upgrades for 15 Pump Stations • Downtown District Sewer Master Plan • Central Boulevard Sanitary Sewer Improvements • Lift Station Nos. 28, 54, 60 & 67 Upgrades – Preliminary Design
City of Clermont	2009 to Present	<ul style="list-style-type: none"> • Construction administration • East Side WRF Reclaimed Water Ground Storage Tank • Reclaimed Water System Supplemental Supply Well • Installation and Sampling of FDEP Monitoring Wells • Southern Sector Wastewater Service Cost Estimate • Wastewater Transmission System Evaluation • Wastewater System Master Plan • Reclaimed Water System Master Plan • Water System Master Plan • SCADA Support

Table C.2: Utility Infrastructure Depth of Florida Project Experience

(* denotes projects performed within the past 5 years)

(WM - Water Main, FM - Force Main, GS - Gravity Sewer, SD - Stormwater, SS - Sanitary Sewer)

PROJECT NAME	CLIENT	SERVICES				
		Design	Permitting	Bidding	Construction Phase	
PIPELINES ASSOCIATED WITH WATER, REUSE, STORMWATER, AND SEWER NETWORKS						
Water Main Replacement Program*	City of Hollywood	●	●	●	⚙️	
East Las Olas Boulevard Force Main*	City of Fort Lauderdale	●	●	●	⚙️	
NE 6 Avenue Water Main*	City of North Miami	●	●	●	⚙️	
Lake Estates Small Water Mains*	City of Fort Lauderdale	●	●	●	⚙️	
Commerical Corridors Water & Sewer*	Miami-Dade County	●	●	●	⚙️	
Woodcrest Road, Glenridge Road and Buttonwood Drive Stormwater Improvements	Village of Key Biscayne	●	●	●	⚙️	
Granada Force Main Replacement*	City of Coral Gables	●	●	●	⚙️	
Southwest 6& Utility Expansion Project*	City of Cape Coral	●	●	●	⚙️	
SE Galvanized Pipe Replacement*	City of Cape Coral	●	●	●	⚙️	
Royal Hawaiian Village Wastewater Improvements*	City of Cape Coral	●	●	●	⚙️	
Ceitus Parkway Water Main	City of Cape Coral	●	●	●	⚙️	
Southwest Service Area Reclaimed Water Expansion*	City of Winter Garden	●	●	●	⚙️	
Banyan Village Utility Expansion	Hendry County	●	●	●	⚙️	
Naples Reclaimed Water System Expansion	City of Naples	●	●	●	⚙️	
Royal Harbor Water System Improvements*	City of Naples	●	●	●	⚙️	
Astor/Astor Park Centralized Wastewater Facilities (Phase I)	City of Astor Park	●	●	●	⚙️	
Water Main Design-Build Improvements*	Town of Fort Myers Beach	●	●	●	⚙️	
Wastewater Collection System Improvements - Periwinkle Way	City of Sanibel	●	●	●	⚙️	
Phase II Sewer System Expansion, Donax WRF to Wulfert Point WRF*	City of Sanibel	●	●	●	⚙️	
Nassau Court Water Main Improvements*	City of Marco Island	●	●	●	⚙️	
San Marco Road Water Main*	City of Marco Island	●	●	●	⚙️	
Summerlin Road Water Main*	Lee County	●	●	●	⚙️	
Phase I Water and Wastewater System Expansion	DeSoto County	●	●	●	⚙️	
Cape Canaveral WWTP and Reclaimed Water Reuse Project	City of Cape Canaveral	●	●	●	⚙️	

PROJECT NAME	CLIENT	SERVICES			
		Design	Permitting	Bidding	Construction Phase
Northeast Booster Pump Station and Water Main	City of North Port	•	•	•	⚙️
James P. Snell Sub-Regional WWTP and Off-Site Pipelines	City of Mount Dora	•	•	•	⚙️
Phase I Water Distribution Improvements	City of Palm Bay	•	•	•	⚙️
Phase II Reclaimed Water Transmission System Improvements	Utilities Commission, City of New Smyrna Beach	•	•	•	⚙️
Water Transmission System Improvements	City of Palm Bay	•	•	•	⚙️
Reclaimed Water Reuse Facilities	City of Palatka	•	•	•	⚙️
Championsgate Water and Wastewater Transmission Mains	RIDA Development/City of Kissimmee	•	•	•	⚙️
Northwest Water Transmission System Improvements	City of Lakeland	•	•	•	⚙️
San Souci West Water Distribution System and Wastewater Collection System Upgrades	Jacksonville Electric Authority	•	•	•	⚙️
Centralized Wastewater System	City of Daytona Beach Shores	•	•	•	⚙️
Pine Island Water Main Improvements	Greater Pine Island Water Association, Inc.	•	•	•	⚙️
Bartow Water Transmission System Improvements	City of Bartow	•	•	•	⚙️
Veteran's Memorial Parkway Water Main	City of Orange City	•	•	•	⚙️
South Lake Weir Water System	Marion County	•	•	•	⚙️
Wastewater Transmission Improvements	Canaveral Port Authority	•	•	•	⚙️
Spruce Creek Pump Station and Force Main	Marion County	•	•	•	⚙️
Lazy Lagoon Collection System Improvements	Lazy Lagoon Homeowners Assoc.	•	•	•	⚙️
CR 545 Ruse Water Main Improvements*	City of Winter Garden	•	•	•	⚙️
9th Street Gravity Sewer Improvements*	City of Winter Garden	•	•	•	⚙️
US 27 Pressurized Water Main Extension	City of Minneola	•	•	•	⚙️
Howland Boulevard Ph I & II*	City of Deltona	•	•	•	⚙️
Howland Boulevard Ph III*	City of Deltona	•	•	•	⚙️
Normandy Boulevard	City of Deltona	•	•	•	⚙️
Debary Avenue	City of Deltona	•	•	•	⚙️
Fort Smith Boulevard Phase I & 2*	City of Deltona	•	•	•	⚙️

PROJECT NAME	CLIENT	SERVICES			
		Design	Permitting	Bidding	Construction Phase
PUMP STATIONS, LIFT STATIONS, AND STORMWATER PUMP STATIONS AND STRUCTURES					
Commercial Corridors Water and Sewer*	Miami-Dade County, FL	●	●	●	⚙️
D10 & D11 Seventh Avenue Pump Stations*	Fort Lauderdale, FL	●	●	●	⚙️
Southwest 6&7 Utility Expansion Program Lift Stations*	Cape Coral, FL	●	●	●	⚙️
Bonneville Water Storage and Repump Facility*	Orange County, FL	●	●	●	⚙️
Malcolm Road Water Supply Facility*	Orange County, FL	●	●	●	⚙️
Riverside Storage and Repump Facility*	Orange County, FL	●	●	●	⚙️
Hidden Springs Repump Facility*	Orange County, FL	●	●	●	⚙️
Courtland Site 11 Storage & Pumping Improvements	Deltona, FL	●	●	●	⚙️
Winterset & Winterset Gardens Storage & Pumping Improvements	Winter Haven, FL	●	●	●	⚙️
Shore Drive Pump Station	St. Johns County, FL	●	●	●	⚙️
Water Supply Wells, Ground Storage Tank, and High Service Pump Station	Plant City, FL	●	●	●	⚙️
Solana Road and East Naples Booster Station Upgrades*	Naples, FL	●	●	●	⚙️
High Service Pump No. 4	Punta Gorda, FL	●	●	●	⚙️
Western Reuse Service Area Storage and Pumping Facility	Kissimmee, FL	●	●	●	⚙️
Silver Springs Shores Master Pump Station	Marion County, FL	●	●	●	⚙️
Reclaimed Water Storage and Pumping*	Tarpon Springs, FL	●	●	●	⚙️
STORMWATER PROJECTS AND RELATED ENVIRONMENTAL ISSUES					
Stormwater Pump Station Evaluations	City of Hollywood	●			
Stormwater Master Plan Implementation*	Village of Key Biscayne	●	●	●	⚙️
Outfall Rehabilitation*	Village of Key Biscayne	●	●	●	⚙️
\$15M Green Infrastructure Program Management*	Detroit Water and Sewerage Department, MI	●	●	●	⚙️
U.S. EPA Green Infrastructure Program*	U.S. EPA	●	●	●	⚙️

WATER MAIN REPLACEMENT PROGRAM

CITY OF HOLLYWOOD, FLORIDA

The City of Hollywood has been undertaking a water main replacement program throughout its water service area due to the age and condition of the existing water mains. Tetra Tech has been assisting the City with this program since 2011, and multiple projects have been successfully designed, permitted, constructed, and in operation.

Tetra Tech has provided surveying, geotechnical evaluations, design, permitting, and construction management for multiple projects under this program. Tetra Tech has assisted with the replacement of over 300,000 feet of water mains ranging in size from 4-inches to 24-inches in diameter, utilizing various pipe materials including PVC, HDPE, DIP, steel, and PCCP. Construction methods include open cut for roadways and horizontal directional drilling (HDD) and jack and bore installations under major intersections and the FEC railroad.

THE FOLLOWING PROJECTS HAVE BEEN ASSIGNED TO TETRA TECH (PRIME CONSULTANT) TO DATE:

- Hollywood Boulevard to Sheridan Street East of Federal Highway:** 99,000 LF of water main replacement, designed, permitted, under construction.
- Hollywood Boulevard from City Hall Circle to West Dixie Highway:** 3,000 LF of water main replacement with FDOT complete streets project, under construction.
- Hollywood Boulevard to Johnson Street:** 27,000 LF of water main replacement, designed, permitted, and constructed.
- Hollywood Boulevard to Sheridan Street West of Federal Highway:** 99,000 LF of water main replacement, under design and permitting.
- Washington Park - Pembroke Road to Hollywood Boulevard from N. 52nd Avenue to SR411:** Includes 7,000 LF of water main replacement and is currently under design.

RELEVANCE TO CLIENT

- Construction administration of over 200,000 LF of water mains
- Potable water transmission mains
- FEC, FDOT, Broward County Permitting
- Trenchless Installations



TETRA TECH HAS ASSISTED WITH CONSTRUCTION ADMINISTRATION OF THE WATER MAIN REPLACEMENT PROGRAM

RELEVANT TECHNICAL COMPONENTS

Potable water transmission mains
FEC, FDOT, Broward County Permitting
Trenchless Installations

ORIGINAL SCOPE

300,000 LF of water mains
4,000 LF of force mains
Design, survey, geotechnical, permitting, bidding, construction administration

ACHIEVED SCOPE

300,000 LF of water mains
Design, survey, geotechnical, permitting, bidding, construction administration

CLIENT/PROJECT MANAGER

Ken Caban, PE

COST

Initial Engineering Fees: Est. \$3 million (to date)
Actual Engineering Fees: Est. \$2 million (to date)

SCHEDULE

Original Schedule: 2011-Present
Achieved Schedule: 2011-Present
Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

As with most projects, unforeseen conditions can arise. Tetra Tech worked diligently to define all unknowns to avoid change orders. We are proud to say that the majority of our assignments resulted in no change orders, except for scope added on or removed by the City.

CLIENT & POINT OF CONTACT

City of Hollywood
1621 North 14th Avenue
Hollywood, FL 33019

Wilhelmina Montero, PE
(954) 921-3930

SEPTIC TO SEWER AND WASTEWATER PROGRAM

CITY OF HOLLYWOOD, FLORIDA

As part of the City of Hollywood Septic to Sewer and Wastewater Program, Tetra Tech is providing surveying, geotechnical evaluations, design, permitting, and construction administration services on multiple projects concurrently. To date, Tetra Tech's program project comprises over 50,000 LF of gravity sewers and force mains.

The improvements included sewer expansion with new gravity sewers, ranging from 8- to 15-inch in diameter. Gravity sewer expansions included manholes, sewer laterals, and cleanouts at the property lines. In addition, lift stations were proposed or rehabilitated, along with new or replaced force mains. The gravity sewers and force mains were located within residential streets. The program also includes extensive maintenance of traffic (MOT), asphalt pavement, and pavement markings restoration and improvements.

THE FOLLOWING PROJECTS HAVE BEEN ASSIGNED TO TETRA TECH (PRIME CONSULTANT) TO DATE:

● Washington Park - Pembroke Road to Hollywood Boulevard from SR 7 to S 52 Avenue:

25,000 LF of gravity sewers. Under design, permitting, and bidding. Design, permitting, bidding, and construction administration services.

● Royal Poinciana Septic to Sewer: 27,000 LF of gravity sewers and force mains.

Designed, permitted, and constructed.

● City of Hallandale Large User Meter 7 and Force Main Replacement:

3,000 LF of Force Main and Large User Meter Replacement. Designed, permitted, and under construction. Final design, permitting, and construction administration services.

● Hollywood Beach Utility Infrastructure Improvements.

Final design, permitting, and construction administration services.

RELEVANCE TO CLIENT

- Construction administration of 25,000 LF of gravity sewers and force mains
- Performed surveying, geotechnical evaluations, design, permitting, and construction administration services on multiple projects concurrently for the City of Hollywood



RELEVANT TECHNICAL COMPONENTS

Gravity sewers, force mains, lift stations, large diameter interceptor modifications

ORIGINAL SCOPE

Survey, geotechnical, design, permitting, bidding, construction administration

ACHIEVED SCOPE

50,000 LF of gravity sewers and force mains, lift stations, and abandonment of lift stations

CLIENT/PROJECT MANAGER

Ken Caban, PE

COST

Initial Engineering Fees: \$1 million (to date)

Initial Construction Fees: \$10 million (to date)

Actual Engineering Fees: \$1 million (to date)

Actual Construction Fees: \$10 million (to date)

SCHEDULE

Original Schedule: 2017-Present

Achieved Schedule: 2017-Present

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

As with most projects, unforeseen conditions can arise. Tetra Tech worked diligently to define all unknowns to avoid change orders. We are proud to say that the majority of our assignments resulted in no change orders, except for scope added on or removed by the City.

CLIENT & POINT OF CONTACT

City of Hollywood
1621 North 14th Avenue
Hollywood, FL 33019

Jeff Jiang, PE
954.921.3930

STORMWATER PUMP STATION CONDITION ASSESSMENT

CITY OF HOLLYWOOD, FLORIDA

Tetra Tech provided engineering services to the City of Hollywood for stormwater pump station condition assessment. Tetra Tech prepared a technical memorandum of the City's 10 stormwater pump stations ranging in size and capacity between 10 HP to 60 HP and 400 GPM to 21,200 GPM.

The following scope was assigned to Tetra Tech (prime consultant) to date:

- **Pump Station Condition Assessment** - Each pump station (SW01-SW-10) was inspected and evaluated based on visual observation of the condition of the pump stations civil, mechanical, electrical, structural, and architectural infrastructure. An opinion of probable construction cost was provided for the recommended rehabilitation improvements.
- **Pump Station Discharge Analysis** - The stormwater runoff volume for the Sub-basins contributing to each of the pump stations was computed.

RELEVANCE TO CLIENT

- Condition assessment of the City's pump stations and evaluated considering climate change and sea level rise

- **Coastal Pump Stations Hydraulic Modeling Analysis** -

The existing City's stormwater model was converted from ICPR version 3 to version 4 and utilized for the hydraulic modeling of year 2020 and 2050 for five of the pump stations in coastal area. These pump stations were SW-01, SW-02, SW-06, SW-07 and SW-09. Multiple model runs were studied under normal groundwater and King Tide conditions for the two different years. Model runs were performed incrementing the pump's capacity by 10 percent, 20 percent, and 30 percent.

- **Pump Station SW-06 and SW-08 Piping Configuration Analysis** - Both pump stations SW-06 and SW-08 had a need to improve the discharge piping configuration. Two alternatives were provided to address this issue for each pump station.

RELEVANT TECHNICAL COMPONENTS

Condition assessment, rehabilitation cost, hydraulic modeling, preliminary design

ORIGINAL SCOPE

Condition assessment, electrical, structural testing, rehabilitation

ACHIEVED SCOPE

Condition assessment, electrical, structural testing, rehabilitation

CLIENT/PROJECT MANAGER

Ken Caban, PE

COST

Initial Engineering Fees: \$49,000 (to date)

Initial Construction Fees: N/A (to date)

Actual Engineering Fees: \$199,472 (to date)

Actual Construction Fees: N/A (to date)

SCHEDULE

Original Schedule: 2019-2022

Achieved Schedule: 2019-Present

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

One change order to add other services that the City requested.

CLIENT & POINT OF CONTACT

City of Hollywood

2600 Hollywood Boulevard

Hollywood, FL 33020

Raul Wainer, PE

954.921.9390



TETRA TECH IDENTIFIED REHABILITATION MEASURES FOR EACH OF THE CITY'S STORMWATER PUMP STATIONS

GRANT MANAGEMENT PROGRAM

CITY OF HOLLYWOOD, FLORIDA

Tetra Tech is working with the City of Hollywood to assist with the identification and evaluation of available grant funding opportunities, preparation of grants/loans applications, monthly and quarterly reporting, existing and future grant administration, and preparation of engineering supporting documentation, including environmental reviews, review of grant timelines, and requirements. The list of projects involves water, wastewater, and stormwater infrastructure. Tetra Tech will manage and execute the grants and loan funding applications to agencies such as Broward County, Florida Department of Transportation, Florida Department of Environmental Protection, Environmental Protection Agency, Federal Emergency Management Association, and others.

- **Evaluation of available grant funding opportunities and preparation of grants/loans applications and engineering supporting documentation**
 - Each pump station (SW01-SW-10) was inspected and evaluated based on visual

observation of the condition of the pump stations civil, mechanical, electrical, structural, and architectural infrastructure. An opinion of probable construction cost was provided for the recommended rehabilitation improvements.

- **Preparation of monthly and quarterly reporting, existing and future grant administration** - Tetra Tech has collected data, tracked status updates, reviewed specific grant requirements, and coordinated with multiple agencies grant managers to properly prepare and submit monthly and quarterly reports and associated back up documentation in a timely fashion. In addition, Tetra Tech has assisted the City with reviewing existing and future grants requirements and attending frequent meetings with the grant agencies for status updates and to provide engineering support.

RELEVANT TECHNICAL COMPONENTS

Technical support for grant program, including costs and other technical requirements

ORIGINAL SCOPE

Grant identification, application, administration, and management

ACHIEVED SCOPE

Grant identification, application, administration, and management

CLIENT/PROJECT MANAGER

Ken Caban, PE

COST

Initial Engineering Fees: \$400,000 (to date)

Initial Construction Fees: N/A (to date)

Actual Engineering Fees: N/A (to date)

Actual Construction Fees: N/A (to date)

SCHEDULE

Original Schedule: 2022-Present

Achieved Schedule: 2022-Present

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

0

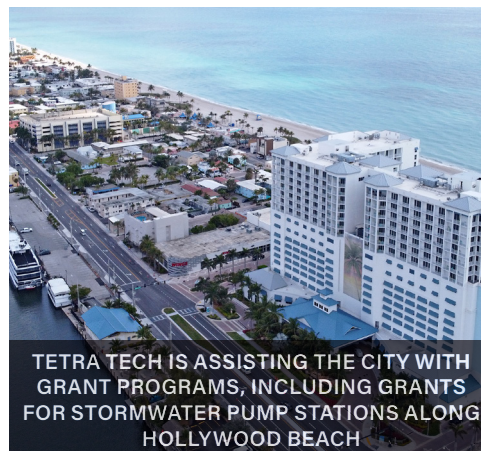
CLIENT & POINT OF CONTACT

City of Hollywood
1621 N. 14th Avenue
Hollywood, FL 33020

Wilhelmina Montero, PE
954.921.3930

RELEVANCE TO CLIENT

- Assistance to identify and complete applications for new grants, along with administration and management



TETRA TECH IS ASSISTING THE CITY WITH GRANT PROGRAMS, INCLUDING GRANTS FOR STORMWATER PUMP STATIONS ALONG HOLLYWOOD BEACH

CONTINUING SERVICES

CITY OF FORT LAUDERDALE, FLORIDA

Tetra Tech currently provides services to the City of Fort Lauderdale through the existing continuing contract for water and wastewater infrastructure. We have held this contract since 2012. Some of the projects we've completed or are currently completing include:

- **East Las Olas Boulevard 12-Inch Force Main Replacement.** Tetra Tech assisted with replacement of an existing 12-inch-diameter force main that experienced multiple ruptures resulting in damaged property and regulatory actions due to sewer overflows into the Intracoastal Waterway. Expedited services and the use of corrosive-resistant piping and coatings were necessary. The existing force main includes an aerial crossing of a canal connected to the Intracoastal Waterway. Services provided for replacement of 2,000 feet of 12-inch-diameter force main included survey; geotechnical evaluations; utilities verification, including subsurface utility evaluations; route analysis; structural evaluations of aerial water crossing pilings; regulatory coordination; design; permitting; bidding assistance, and construction oversight.

- **Lake Estates Small Water Main Improvements.** This community improvement involves the design of approximately 10,850 LF of 8-inch diameter potable water mains to replace existing aged pipes. Permitting involved the Fort Lauderdale Building Department, Florida Dept. of Health, Broward County Environmental Protection and Growth Management Department, and FDOT. The project includes surveying, geotechnical, preparation of design and construction documents, permitting, bidding review and assistance, construction administration and inspection, and project closeout and certification.
- **Pump Stations D-10 & D-11 Flow Analysis and Redesign.** Evaluate and design improvements to Duplex Pump Stations D-10, on Isle of Venice, and D-11, on Hendricks Isle. These pump stations collect and pump wastewater from the respective gravity sewer systems into existing 6-inch diameter force mains, which connect to existing gravity system manholes on East Las Olas Boulevard.

ORIGINAL & ACHIEVED SCOPE

Design, permitting, bidding, construction administration of 2,000 LF force mains; 2 pump stations; 500 LF of gravity sewer; 10,000 LF of water mains

CLIENT/PROJECT MANAGER

Ken Caban, PE

Cost

Initial: \$533,021

Actual: \$533,021 (anticipated)

SCHEDULE

Original Schedule: Varies

Achieved Schedule: On Schedule

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

Engineering: No change orders

Construction: No change orders

CLIENT & POINT OF CONTACT

City of Fort Lauderdale
100 North Andrews Avenue
Fort Lauderdale, FL

Scott Teschky
954.828.6195

steschky@fortlauderdale.gov

RELEVANCE TO CLIENT

- Construction administration
- Potable water transmission mains
- Wastewater collection system
- Wastewater force main
- Sewer lift stations
- Climate change
- Sea level rise
- Sustainability
- Climate resilience



TETRA TECH SUCCESSFULLY ASSISTED THE CITY TO REPLACE THE E LAS OLAS FORCE MAIN, WHICH WAS THE FIRST PROJECT REQUIRED BY THE CONSENT DECREE WITH FDEP.

CONTINUING SERVICES

CITY OF POMPANO BEACH, FLORIDA

Tetra Tech is currently providing general engineering services to the City of Pompano Beach through a continuing services contract. The following projects have been or are currently being completed by Tetra Tech on this continuing contract::

- **Task Order No. 1 - Pompano Beach Water Treatment Plant Hurricane Hardening Study:** Tetra Tech completed a facility-wide hurricane hardening evaluation for all of the water treatment plant's manned buildings. Tetra Tech detailed deficiencies and capital improvements in line with Florida's Building Code. Cost estimates and a prioritized improvements schedule were developed to aid the City in planning implementation of the improvements.

Task Order No. 2 - Pompano Beach Water Treatment Plant Filter and High Service Pumps 1-4 Building Hurricane Hardening Design, Permitting, and Construction Administration: The Filter and High Service Pumps 1-4 Building at the City of Pompano Beach

Water Treatment Plant is moving one step closer to resiliency by hardening the structure to comply with current Florida Building Codes. Tetra Tech provided engineering and architecture services to design the hurricane hardening project including plans, calculations, specifications, and an opinion of probable cost. The improvements were permitted through the City Building Department and Fire Department. Tetra Tech will assist the City in bidding and awarding the project and providing construction phases services through project closeout.

- **Task Order No. 6 - Pompano Beach Reuse Water Master Plan Updates:** Tetra Tech assisted with identify the existing system deficiencies, prioritizing improvements, estimating costs, and identify financing options. The Master Plan will evaluate the existing system, estimated demand projections using current growth assumptions, update the existing hydraulic model to assist in identifying system sizing deficiencies and develop a capital improvement program to accommodate future demands.

ORIGINAL & ACHIEVED SCOPE

General Engineering Services

CLIENT/PROJECT MANAGER

Chuck Drake, PG

COST

Initial Engineering Fees: \$675,044 (to date)

Initial Construction Fees: \$3,141,249 (to date)

Actual Engineering Fees: \$675,044 (to date)

Actual Construction Fees: \$3,491,910 (to date)

SCHEDULE

Original Schedule: 2016 - Present

Achieved Schedule: 2016 - Present

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

Engineering: No change orders

Construction: No change orders

CLIENT & POINT OF CONTACT

City of Pompano Beach
1205 NE 5TH Avenue
Pompano Beach, FL 33060

Randy Brown, PE
(954) 545-7043

randolph.brown@copbfl.com

RELEVANCE TO CLIENT

- Construction administration
- Hardening of water plant against hurricanes, planning of expansion of reuse systems, and water supply permitting and improvements



CONTINUING SERVICES

CITY OF NORTH MIAMI, FLORIDA

Tetra Tech was selected by the City of North Miami in 2011 to assist the City with overseeing the City's largest program, renewal and rehabilitation of its existing lime softening water treatment plant and expansion of the water system with a new reverse osmosis water treatment plant. Tetra Tech has functioned as an extension of the City's staff in overseeing and guiding the projects as well as providing technical reviews for all technical submittals, including preliminary design reports, construction plans and specifications, and coordination with the design engineer and permitting agencies.

To date, Tetra Tech has assisted the City with technical reviews and recommendations for the following projects under this program:

- Hydraulic analysis master planning of the City's water supply, transmission, storage, and distribution system
- Rehabilitation of six Biscayne aquifer water supply wells
- Water Supply Facilities Work Plan

- WTP Filter Rehabilitation
- WTP Lime Softening Process
- NE 6th Avenue 12-inch diameter water transmission main

All the above rehabilitation projects have been designed and are being bid for construction or are constructed. During construction, Tetra Tech will continue to oversee the project progress and act as an extension of the City's engineering staff.

Tetra Tech also designed and permitted a 12-inch diameter water main along NE 6 Avenue. The project was bid and is currently under construction. Tetra Tech is assisting with construction administration and inspection services.

Because of our successful performance on the renewal and rehabilitation project described above, the City recently selected Tetra Tech for an additional continuing contract for Water Resources/Stormwater Design, which will include sea level rise mitigation, climate resiliency, and other sustainability components.

ORIGINAL & ACHIEVED SCOPE

Design, staff augmentation, owner's representative

CLIENT/PROJECT MANAGER

Ken Caban, PE

COST

Initial Engineering Fees: \$600,000 (to date)

Initial Construction Fees: N/A (to date)

Actual Engineering Fees: \$600,000 (to date)

Actual Construction Fees: N/A (to date)

SCHEDULE

Original Schedule: Varies

Achieved Schedule: Varies - All Completed Schedule

Date of Completion: Ongoing

NUMBER OF CHANGE ORDERS

Engineering: No change orders

Construction: No change orders

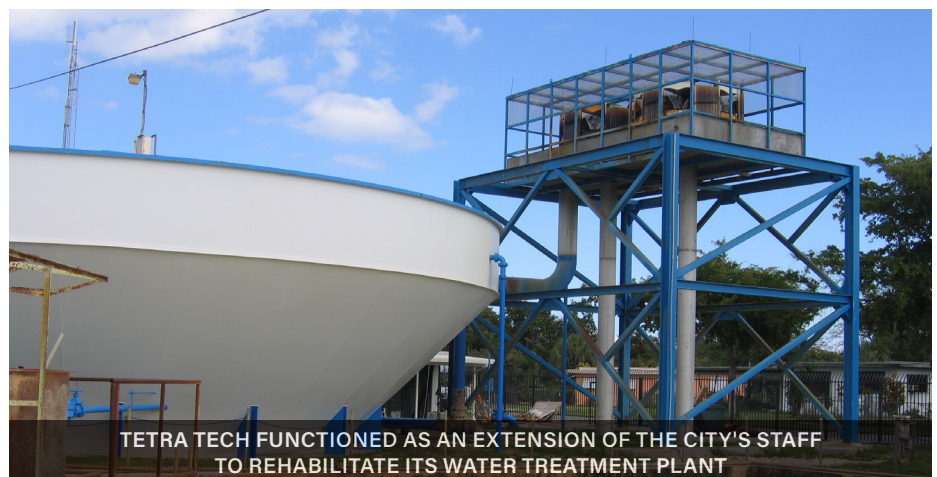
CLIENT & POINT OF CONTACT

City of North Miami
776 NE 125th Street, Third Floor
North Miami, FL 33161

Wisler Pierre-Louis, PE
305.895.9830
pwisler@northmiamifl.gov

RELEVANCE TO CLIENT

- Construction administration of various infrastructure improvements
- Potable water transmission and distribution mains
- Climate change
- Sea level rise
- Drainage
- Sustainability
- Climate resilience



TETRA TECH FUNCTIONED AS AN EXTENSION OF THE CITY'S STAFF TO REHABILITATE ITS WATER TREATMENT PLANT

CONTINUING SERVICES

CITY OF KEY BISCAIYNE, FLORIDA

Tetra Tech has provided professional engineering services to the Village of Key Biscayne since 2004. Our broad range of services has included studies, design, permitting, bidding and construction administration services and public outreach, as applicable. Related projects include:

- **Outfall O-15R at 398 Harbor Drive** – Design, permitting, cost estimates, bidding, and construction administration for a new 24-inch stormwater outfall within an existing easement along with backflow prevention device within a stormwater structure to mitigate tidal and sea level rise impacts.
- **Outfall O-16 at 260 Harbor Drive** – Design, permitting, cost estimates, bidding, and construction administration for the removal and replacement of an 18-inch stormwater outfall within drainage easement along with backflow prevention device within a stormwater

structure mitigate tidal and sea level rise impacts.

- **NPDES Reports 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013** - Responsible for preparation of annual NPDES reports, submittal to Miami-Dade County DRER, and reapplication.
- **Drainage Improvements for Buttonwood Drive, Glenridge Road and Woodcrest Road** – Prepared revised plans for expansion of existing drainage basin for installation of additional storm drain pipes and inlets, and permitting.
- **Stormwater Master Plan Update** - Update of 1993 stormwater master plan involving hydraulic & hydrologic modeling, GIS mapping, tidal fluctuations, and sea level rise mitigation.

ORIGINAL & ACHIEVED SCOPE

Planning, design, permitting, bidding, construction administration

CLIENT/PROJECT MANAGER

Ken Caban

COST

Initial Engineering Fees: \$500,000 (to date)

Initial Construction Fees: N/A (to date)

Actual Engineering Fees: \$500,000 (to date)

Actual Construction Fees: N/A (to date)

SCHEDULE

Original Schedule: Varies

Achieved Schedule: Varies - All Completed Schedule

Date of Completion: 2015

NUMBER OF CHANGE ORDERS

Engineering: No change orders

Construction: No change orders

CLIENT & POINT OF CONTACT

Village of Key Biscayne

Key Biscayne, FL

Jose G. Lopez

786.351.2383

RELEVANCE TO CLIENT

- Construction administration
- Stormwater
- Backflow prevention
- Coastal Permitting



TETRA TECH DESIGNED AND ASSISTED WITH CONSTRUCTION OF MULTIPLE OUTFALLS TO BISCAIYNE BAY

SOUTHWEST 6&7 UTILITY EXPANSION

CITY OF CAPE CORAL, FLORIDA

The initial development for Cape Coral planned for more than 350,000 residential lots and a projected population of over 400,000. Today, the City has nearly 170,000 residents and is the third largest city geographically in the state of Florida. As development continued, centralized water and wastewater services were added. However, as development began to outpace the rate at which centralized services could be provided, water and wastewater service had to be provided through on-site wells and septic tank/drain field systems. Although the City did expand service as funds were available, the pace of growth far exceeded the utility extension pace. As such, the City developed and adopted a Utilities Master Plan which outlined the Utility Extension Program (UEP) in a phased approach that would ultimately extend water, wastewater, and irrigation water service to virtually all areas south of Pine Island Road (SR 78) and some areas north of Pine Island Road.

As part of the UEP, the City selected Tetra Tech to perform value engineering and plan adoption of the prior design, hydraulic modeling, financial assistance, bidding assistance (including assistance with pre-qualifying contractors), and construction management/construction engineering inspection (CEI) services for the Southwest 6 & 7 UEP:

- 53 miles of 4-inch through 12-inch potable water mains (PVC)
- 65 miles of 4-inch through 30-inch irrigation water mains (PVC)
- 12 miles of 4-inch through 12-inch wastewater force mains (PVC)
- 60 miles of 8-inch through 24-inch wastewater gravity collection piping (PVC)
- 10 miles of 12-inch through 42-inch stormwater pipe (HDPE and RCP)
- 18 wastewater lift stations
- 60 miles of new road construction

ORIGINAL SCOPE

Value engineering and plan adoption of prior design, hydraulic modeling, financial assistance, bidding assistance, and construction management/CET services

ACHIEVED SCOPE

(See Description)
Project was under budget and ahead of schedule

PROJECT MANAGER

Danny Nelson, PE

COST

Initial Engineering Fees: \$500,000 (to date)

Initial Construction Fees: N/A (to date)

Actual Engineering Fees: \$500,000 (to date)

Actual Construction Fees: N/A (to date)

SCHEDULE

Original Schedule: 2012-2019

Achieved Schedule: 2012-2019

Date of Completion: 2019

NUMBER OF CHANGE ORDERS

Engineering: No change orders

Construction: No change orders

CLIENT & POINT OF CONTACT

City of Cape Coral
PO Box 150097
Cape Coral, FL 33915

Paul Clinghan
239.574.0464
pclinghan@capecoral.net

RELEVANCE TO CLIENT

- Construction administration
- Modeling for over 3,000 miles of pipe
- City-wide InfoWater and H2OMAP water models
- Implementation of over 200 miles of unity infrastructure
- Value engineering for over \$1.5M in estimated savings
- Assisted with Direct Purchase Orders for \$600,000 in tax savings
- SRF assistance



TETRA TECH ASSISTED WITH DESIGN AND CONSTRUCTION ADMINISTRATION OF WATER, WASTEWATER, RECLAIMED WATER AND STORMWATER INFRASTRUCTURE

CAPE CORAL NORTH 1 UEP

CITY OF CAPE CORAL, FLORIDA

The North 1 Utilities Extension Project (UEP) is part of an ongoing program with the goal of extending potable water, wastewater, and irrigation water to all residents of the City of Cape Coral. The North 1 portion of the City's UEP program is the next section which has been chosen to receive services based on a variety of factors including its geographical location, development density, and future growth needs.

The City owns and operates an extensive utility system which provides potable water, wastewater, and irrigation services to approximately 58,500 equivalent residential units (ERUs) located within 55 square miles of the existing utility service areas.

The North 1 UEP area is approximately 4.3 square miles in size with 7,704 pre-platted parcels, which equates to a total of 9,498 ERUs. Currently, residents within the North 1 UEP area rely on residential wells and septic tanks for potable water and wastewater services.

The City engaged Tetra Tech to provide design, permitting, bidding assistance and construction administration for approximately \$292M in improvements consisting of the following:

- 66 miles of 6"-30" potable water mains
- 77 miles of 4"-30" irrigation water mains
- 14 miles of 4"-30" wastewater force mains
- 70 miles of 8"-18" gravity collection piping
- 14 miles of stormwater piping
- 20 wastewater lift stations
- 70 miles of new road construction

As the project moves into construction, in order to minimize disruption over a large area, the City has elected to phase work activities by the project into two phases. The West phase is moving into construction and consists of construction on the west side of Del Prado Boulevard (approximately one half of the project area).

ORIGINAL SCOPE

\$10,495,525

ACHIEVED SCOPE

\$11,195,499

PROJECT MANAGER

Brett Messner, PE

COST

Initial Engineering Fees: \$11,195,499 (to date)

Initial Construction Fees: \$11,988,520 (to date)

Actual Engineering Fees: \$10,525,051 (to date)

Actual Construction Fees: \$880,813 (to date)

SCHEDULE

Original Schedule: 2019-2022

Achieved Schedule: 2019-2023

Date of Completion: 2023

NUMBER OF CHANGE ORDERS

Engineering: 2 (client requested scope addition)

Construction: No change orders

CLIENT & POINT OF CONTACT

City of Cape Coral
611 SE 11th Street
Cape Coral, FL 33990

Elizabeth Ellis
Sr. Project Manager
239.574.0835
eellis@capecoral.gov

RELEVANCE TO CLIENT

- Construction administration
- Comprehensive utility service expansion
- Strategic infrastructure development
- Efficient and minimized disruption

ADDITIONAL FIRM QUALIFICATIONS

in addition to our previously listed qualifications, we submit the following as requested by the RFQ:

YEARS OF EXPERIENCE
IN PROVIDING SERVICES
AS IT RELATES TO THE
WORK AND SERVICES
CONTEMPLATED IN
THIS RFQ

57

BUSINESS STRUCTURE:

CORPORATION

CONTACT INFORMATION:

Ken Caban, PE, LEED AP
ken.caban@tetrattech.com
Client/Project Manager, Vice President
6303 Waterford District Dr., Ste. 305,
Miami, FL 33126

TELEPHONE: 305.849.3404 | www.tetrattech.com
FAX: 305.264.1805

State of Florida Department of State

I certify from the records of this office that TETRA TECH, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on April 28, 1988.

The document number of this corporation is P19034.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on January 12, 2023, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-first day of February,
2023



[Signature]
Secretary of State

Tracking Number: 9663253682CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

State of Florida
Authorized Corporation

FIRM LICENSES

Newly passed Florida legislation "Occupational Freedom and Opportunity Act" (effective July 1, 2020) eliminates separate business licenses for architects, geologists, and landscape architects who already hold an individual license. Therefore, we have included licenses of Tetra Tech, Inc.'s sponsoring qualifiers, Professional Engineer, William Brownlie (PE 70052), and Professional Geologist, Mark Peterson (PG 2806).

Licensee

Name: **TETRA TECH, INC** License Number: **2429**
Rank: **Registry** License Expiration Date:
Primary Status: **Current** Original License Date: **05/10/1977**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
70052	Current, Active	BROWNIE, WILLIAM ROBERT	Registry	08/11/2009	Professional Engineer	02/28/2025

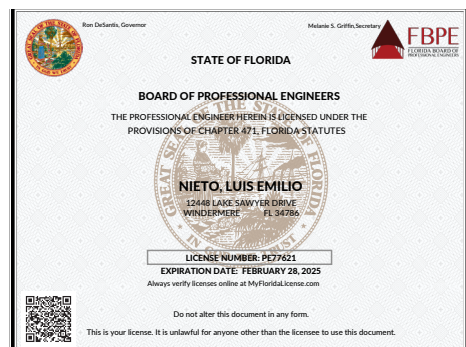
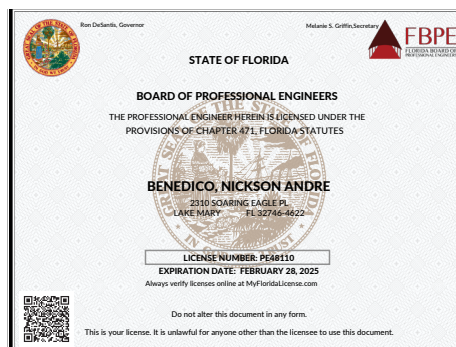
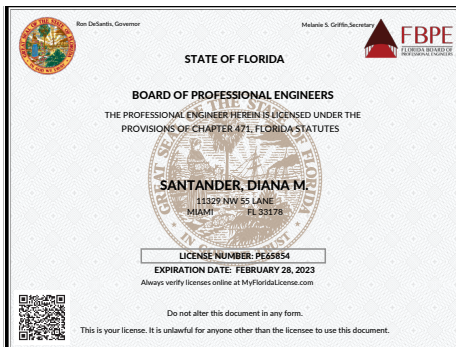
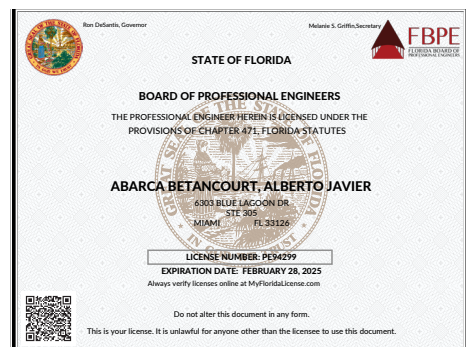
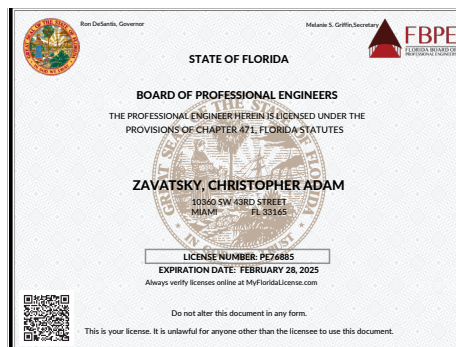
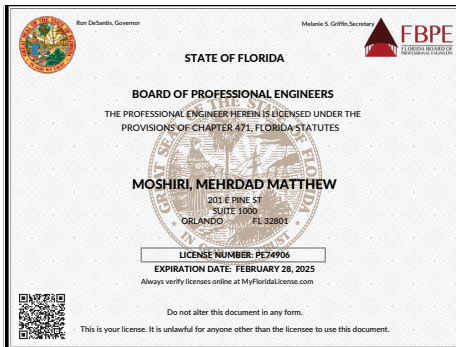
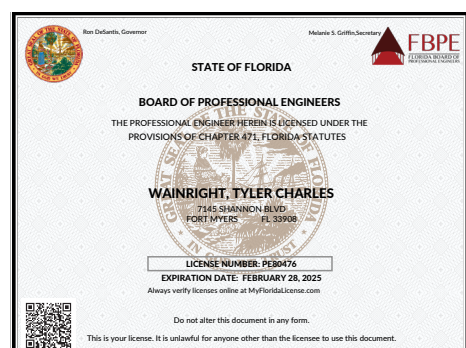
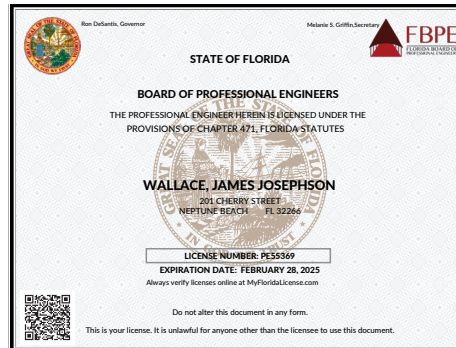
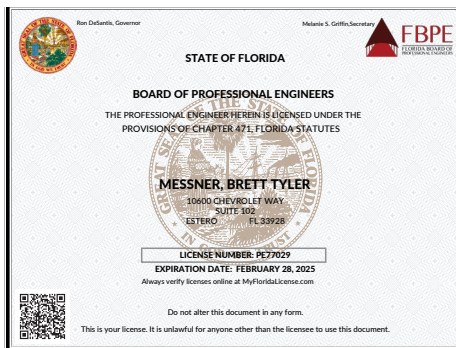
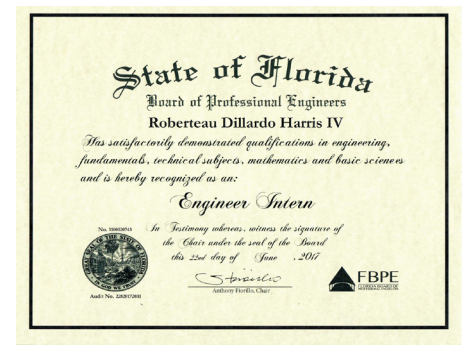
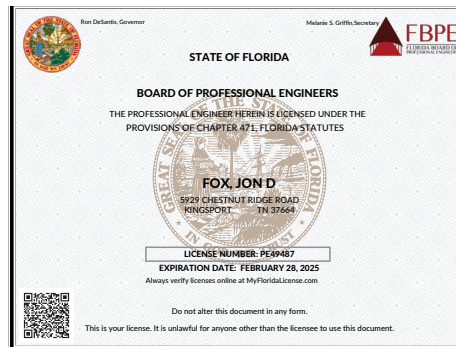
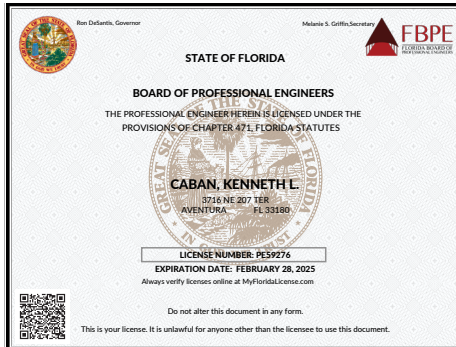
Licensee

Name: **PETERSON, MARK ANDREW** License Number: **PG2806**
Rank: **Professional Geologist** License Expiration Date: **07/31/2024**
Primary Status: **Current** Original License Date: **05/28/2013**
Secondary Status: **Active**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
	Current, Active	TETRA TECH INC	Professional Geologist	04/22/2015	Geology Business Information	

KEY STAFF LICENSES



TAB D

ORGANIZATIONAL PROFILE AND PROJECT TEAM QUALIFICATIONS



COMMITMENT TO THE CITY

Tetra Tech is committed to continuing to provide the City of Hollywood with the most qualified staff to complete the projects under this contract.

In the following pages, we will demonstrate that our team is structured to provide effective, efficient, and seamless service to the City of Hollywood as we have done on previous projects.

A PROVEN HISTORY OF DELIVERING ON GENERAL ENGINEERING SERVICES CONTRACTS

Tetra Tech has 48 years of a strong Florida presence and offices throughout the state. Over the years, Tetra Tech has served the South Florida community on a wide range of engineering projects, including those identified within this RFQ.

Our presence and repeat selection for continuing contracts throughout Florida exemplifies our commitment and client satisfaction. We have planned, designed, permitted, and overseen the construction of numerous projects in Florida, through our numerous continuing contracts. Our team includes staff that have provided general engineering services for many South Florida municipalities under continuing services contracts, including the City of Hollywood; City of Miami; City of Coral Gables; City of North Miami Beach; City of North Miami; City of Tamarac; City of Miramar; and the City of Fort Lauderdale. Currently, Tetra Tech is serving as continuing consultant to over 50 governmental agencies in Florida.

DEPTH OF RESOURCES TO DELIVER

Our team is positioned to dedicate resources to the City to immediately implement City projects. From our Miami office and from the more than 500 professionals located throughout the state of Florida, we are ready to deliver any size project to meet the City's needs. Our Client/Project Manager, Ken Caban, PE, LEED AP, will check that the team meets or exceeds the City's expectations.

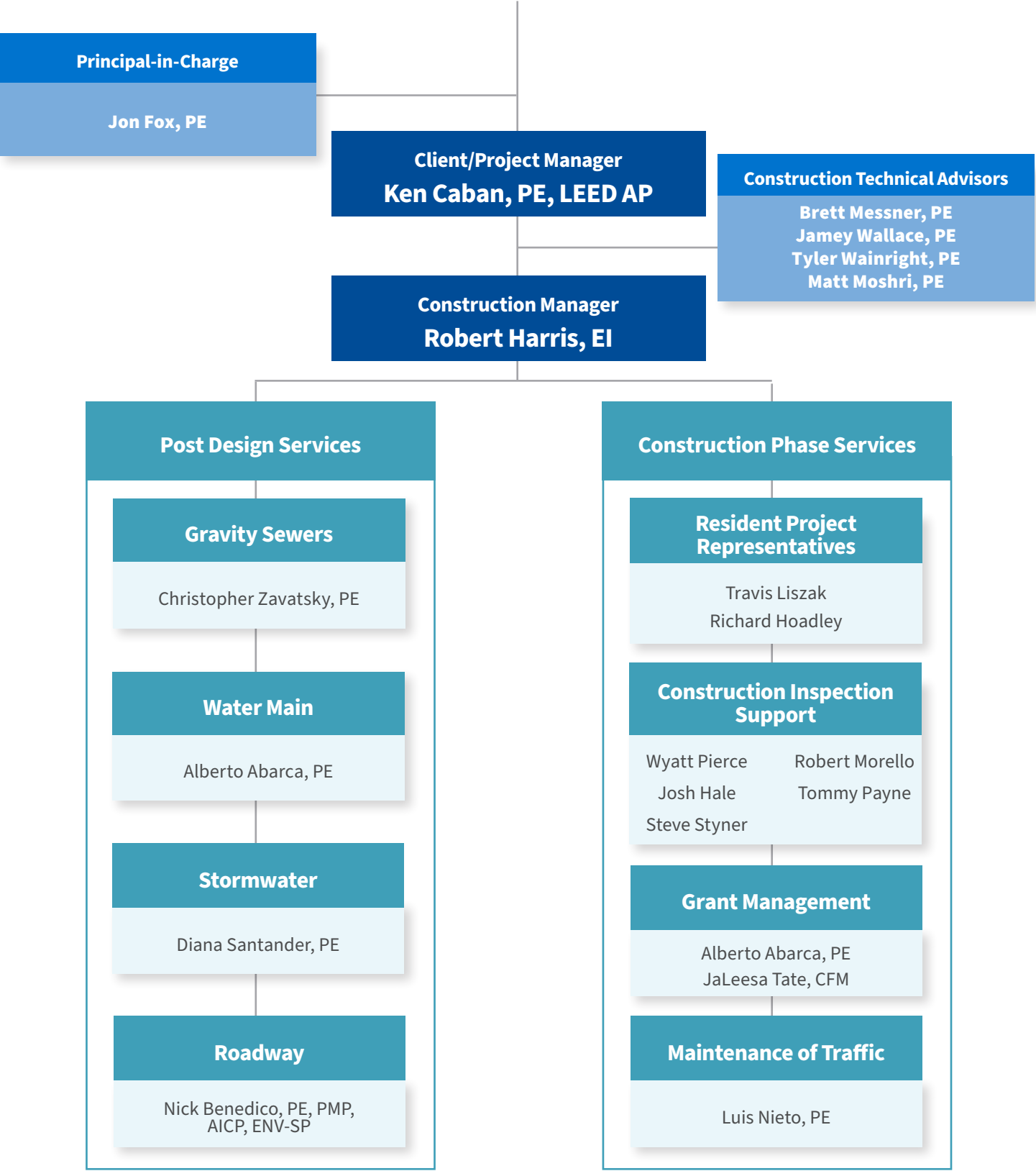
The team presented in the following submittal represents more than 300 years of continuing consultant contract experience in the state of Florida, serving as an extension of staff. As will be demonstrated within this submittal, Tetra Tech has the capabilities to provide the full range of utility infrastructure general engineering services requested by the City.

Our team's organizational structure is provided on the following page and supplemented by an overview of our key personnel.

HOLLYWOOD-BASED SUBCONTRACTORS

At this time, it is not anticipated that subconsultants will be necessary. However, if subconsultants are necessary in the future, Tetra Tech will present proposed subconsultants to the City for approval prior to engaging them.

ORGANIZATIONAL
CHART



* RESUMES OF KEY STAFF ARE INCLUDED IN THIS SUBMITTAL

MANAGEMENT AND ADVISOR TEAM**KEN CABAN, PE, LEED AP**

Mr. Caban has over 27 years of experience in all facets of water, wastewater, reuse, and stormwater systems. He has been involved in the planning, design, and construction of numerous projects on the largest systems in South Florida, including highly complex, high profile projects. Mr. Caban understands and delivers client expectations, including the City's expectations.

He has served the City of Hollywood for the last 13 years, successfully assisting the City with implementation of replacement of nearly 60 miles of pipe on the City's Water Main Replacement Program. Mr. Caban has served in a technical capacity, reviewing all deliverables, and also as the main point of contact between Public Utilities senior management and Tetra Tech.

JAMEY WALLACE, PE

Mr. Wallace brings over 27 years of progressive and diverse professional expertise. His comprehensive experience is primarily focused within the municipal water and wastewater sector having served as the Owner's Engineer, Project Manager, Engineer-of-Record and/or Project Principal on the majority of the projects in his portfolio. Additionally, he brings a deep resume of technical expertise exclusively built upon water, wastewater, and reclaimed water projects with a varied background in both traditional delivery and extensive design-build project delivery experience.

BRETT MESSNER, PE

Mr. Messner is a Senior Project Manager and serves as the Vice President. He boasts an impressive track record, amassing over 13 years of design and consultancy expertise marked by tangible results. His extensive experience encompasses end-to-end project management, ranging from initial design to construction oversight. This includes ensuring the successful construction and start-up of water and wastewater facilities.



Mr. Fox has 32 years of experience with various water, wastewater, reuse, and stormwater systems. He has developed and led quality assurance and quality control programs for projects throughout Florida and the Southeast United States. Mr. Fox's technical expertise and leadership within Tetra Tech ensures that the City of Hollywood will receive technically excellent deliverables, leading to successful projects.

JON FOX, PE

Mr. Wainright holds the role of a project engineer specializing in utilities and construction management. He brings a wealth of knowledge and proficiency to the table, having conducted engineering assessments and technical planning for a diverse range of projects related to water, wastewater, and civil infrastructure. His extensive background encompasses overseeing the development and execution of water and wastewater transmission facilities, as well as water and wastewater treatment plants. Furthermore, he possesses expertise in handling permitting and strategizing for utility infrastructure projects.

TYLER WAINRIGHT, PE

Mr. Harris, a University of Florida engineering graduate, boasts over 17 years of expertise in overseeing federal, state, and municipal construction projects, particularly in major bridge and roadway construction. His impressive career includes successful leadership of construction, engineering, and inspection teams, contributing to the completion of over \$300 million in transportation infrastructure projects for the Florida Department of Transportation.

ROBERT HARRIS, EI

OTHER KEY PERSONNEL**ALBERTO ABARCA, PE**

Mr. Abarca is an environmental engineer with extensive knowledge of the City of Hollywood water, wastewater, and stormwater utility. He has gained this experience over six years by assisting or leading planning, design, or construction activities on the City's infrastructure projects. In addition, Mr. Abarca is leading the Grant Assistance project with the City, overseeing grant opportunities and requirements on behalf of the City.

CHRISTOPHER ZAVATSKY, PE

Mr. Zavatsky brings over a decade's worth of expertise in planning and design, spanning a diverse spectrum of projects, with a particular focus on pump station-related aspects such as planning, design, permitting, and construction. He holds a remarkable track record, having successfully designed more than 50 pump stations and played a crucial role in overseeing the construction of numerous others. His proficiency extends to pump stations within one of the nation's largest pump station networks, as well as valuable experience gained from working with the City of Hollywood.

DIANA SANTANDER, PE

Ms. Santander has 25 years of civil and environmental engineering experience including stormwater management, water distribution, wastewater collection systems, water conservation, and solid waste management. She has managed several projects that range from small municipal improvements to overall programs involving complex improvements in highly urbanized areas. Ms. Santander has also prepared engineering cost estimates, performed project cost tracking and scheduling, reviewed final as-built documentation, and participated in contractor and consultant selection and management.



Mr. Liszak boasts a substantial 16-year tenure in construction engineering and inspection, covering a wide spectrum of responsibilities. His expertise encompasses the meticulous oversight of roadway enhancements for both new installations and replacement projects. Furthermore, Mr. Liszak's skill set extends to the supervision of improvements in utility infrastructure, demonstrating his proficiency in diverse aspects of construction engineering and inspection.

TRAVIS LISZAK

Mr. Moshiri boasts an impressive engineering career that spans more than a quarter-century, making him a formidable force in every project he undertakes. With over two decades of experience, he has adeptly managed large offices and teams, both in the private and public sectors. In his present role as operations manager, he plays a pivotal role in the comprehensive management of the CEI program within the transportation group. Prior to this, his leadership extended to projects of varying scales, from smaller ventures to multi-million dollar endeavors, showcasing his versatility in project management.

MATT MOSHIRI, PE

Ms. Tate has played pivotal roles in advancing hazard mitigation efforts at both the state and local levels. A cornerstone of her work involves spearheading the development of Mitigation Strategies, a crucial component of hazard mitigation planning. This entails the identification of specific activities and projects earmarked for future grant funding. These carefully curated actions are meticulously crafted to ensure their feasibility and effectiveness, with a keen focus on addressing critical implementation considerations integral to the grant application process.

JALEESA TATE, CFM

CLIENT/PROJECT MANAGER

KEN CABAN, PE, LEED AP



Mr. Caban has over 27 years of experience in the analysis, design, permitting, inspection, construction management, and program and project management of water, reuse, and wastewater conveyance and treatment systems, water, wastewater, and stormwater master planning and design, site development, and capital improvement programs for various municipalities. Mr. Caban has served as client manager to the City of Hollywood for over 13 years, managing all services to the Utilities Department.

Name of Firm:

Tetra Tech, Inc.

Title:

Vice President

Education:MS, Environmental Engineering,
Florida International UniversityBS, Civil Engineering, Florida
International University**Registrations/Certifications:**Professional Engineer:
Florida #59276**Professional Affiliations:**

American Water Works Association

Office:

Miami, FL

**Percentage of Time to be Assigned
Full-Time to this Project:**

50%

Years of Experience:

27

Years with Tetra Tech:

13

Water Main Replacement Program: Pembroke to Hollywood Boulevard, City of Hollywood, FL.

Quality Manager overseeing the surveying, geotechnical evaluations, design, permitting, and construction administration services on multiple projects being completed concurrently. The entire program is comprised of over 300,000 LF of water main replacement to date, reconnection of over 1,000 service connections, numerous underground and overhead utilities conflicts, permitting through multiple agencies, and construction within schedule and budget. Existing aged cast iron water mains were replaced with both DIP and PVC water mains, ranging from 4-inch to 24-inch diameters. Existing water meters located within unpaved alleys or rear easements were relocated to the front of the lots and included new water services within private property. Aged fire hydrants were replaced, some water mains were upsized by one nominal size. Asphalt pavement and pavement markings restoration and improvements were included.

Boulevard Heights Septic-to-Sewer Conversion, City of Hollywood, FL.

Quality Manager. Tetra Tech is implementing a partial septic-to-sewer conversion project for the Boulevard Heights residential neighborhood. Services include review of the City's sanitary sewer system, planning the gravity sewer extension, preparation of a technical memoranda, coordination with Broward County Environmental Protection and Growth Management Department prior to design, design and supporting services to connect properties to the City's gravity sewer system, permitting, bidding assistance, and construction administration services. Highlights include careful review and design for shallow gravity sewers using ductile iron piping such that connection for each parcel is feasible. This project will extend sewer service to 101 properties with the installation of approximately 5,300 LF of 8-inch diameter piping.

Grant Management Program, City of Hollywood, FL. Quality Manager. Identification and evaluation of available grant funding opportunities, preparation of grants/loans applications, monthly and quarterly reporting, existing and future grant administration, and preparation of engineering supporting documentation, including environmental reviews, review of grant timelines, and requirements. The list of projects involves water, wastewater, and stormwater infrastructure.

Stormwater Pump Stations and Control Structures Assessments and Rehabilitation of Pump Station SW-02, City of Hollywood, FL. Quality Manager for condition assessment and rehabilitation of the City's stormwater pump stations and upstream control structures, including backflow prevention valves. Serve to deliver the City's expectations successfully on this project for condition assessment, design permitting, and construction. Pump Station SW-02, located on South Lake and within this project's area, will be rehabilitated and raised to coordinate with the latest seawall elevation recommendations, since the pump station's two discharge pipes currently pass above the existing seawall.

Principal-in-Charge

JON FOX, PE



Mr. Fox has participated in many aspects of environmental engineering including the planning, design, permitting and construction administration of both water and wastewater treatment facilities and distribution/collection systems. He has led the resource and quality control for all projects throughout Florida, including all City of Hollywood projects since 2011. Mr. Fox will continue to oversee the quality control of all Hollywood projects.

Name of Firm:

Tetra Tech, Inc.

Title:

Vice President

Education:

BS, Environmental Engineering,
University of Central Florida

Registrations/Certifications:

Professional Engineer:
Florida #49487

Professional Affiliations:

American Society of Civil Engineers
American Water Works Association
Water Environment Federation

Office:

Orlando, Florida

Percentage of Time to be Assigned Full-Time to this Project:

25%

Years of Experience:

32

Years with Tetra Tech:

32

Water Main Replacement Program: Pembroke to Hollywood Boulevard, City of Hollywood, FL.

Principal-in-Charge overseeing the surveying, geotechnical evaluations, design, permitting, and construction administration services on multiple projects being completed concurrently. The entire program is comprised of over 300,000 LF of water main replacement to date, reconnection of over 1,000 service connections, numerous underground and overhead utilities conflicts, permitting through multiple agencies, and construction within schedule and budget. Existing aged cast iron water mains were replaced with both DIP and PVC water mains, ranging from 4-inch to 24-inch diameters. Existing water meters located within unpaved alleys or rear easements were relocated to the front of the lots and included new water services within private property. Aged fire hydrants were replaced, some water mains were upsized by one nominal size. Asphalt pavement and pavement markings restoration and improvements were included.

Boulevard Heights Septic-to-Sewer Conversion, City of Hollywood, FL.

Principal-in-Charge. Tetra Tech is implementing a partial septic-to-sewer conversion project for the Boulevard Heights residential neighborhood. Services include review of the City's sanitary sewer system, planning the gravity sewer extension, preparation of a technical memoranda, coordination with Broward County Environmental Protection and Growth Management Department prior to design, design and supporting services to connect properties to the City's gravity sewer system, permitting, bidding assistance, and construction administration services. Highlights include careful review and design for shallow gravity sewers using ductile iron piping such that connection for each parcel is feasible. This project will extend sewer service to 101 properties with the installation of approximately 5,300 LF of 8-inch diameter piping.

Grant Management Program, City of Hollywood, FL.

Principal-in-Charge. Identification and evaluation of available grant funding opportunities, preparation of grants/loans applications, monthly and quarterly reporting, existing and future grant administration, and preparation of engineering supporting documentation, including environmental reviews, review of grant timelines, and requirements. The list of projects involves water, wastewater, and stormwater infrastructure.

Stormwater Pump Stations and Control Structures Assessments and Rehabilitation of Pump Station SW-02, City of Hollywood, FL.

Principal-in-Charge for condition assessment and rehabilitation of the City's stormwater pump stations and upstream control structures, including backflow prevention valves. Mr. Caban will serve to deliver the City's expectations successfully on this project for condition assessment, design permitting, and construction. Pump Station SW-02, located on South Lake and within this project's area, will be rehabilitated and raised to coordinate with the latest seawall elevation recommendations, since the pump station's two discharge pipes currently pass above the existing seawall.

**Construction
Manager**

ROBERT HARRIS, EI



Mr. Harris is an engineering graduate from the University of Florida with more than 17 years of experience in federal, state, and municipal construction project management, including major bridge and roadway construction projects. He has a proven and solid track record of successfully building and leading construction, engineering, and inspection (CEI) teams and has participated in the delivery of over \$300 million dollars in infrastructure projects for the Florida Department of Transportation.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Project Administrator

Education:

MS, Management, Troy University, 2023

BS, Civil Engineering, University of Florida, Gainesville, Florida, 2017

Registrations/Certifications:

Engineering Intern: Florida #1100020743, 2017

FDOT TIN No: H62072485

Asphalt Paving Technician Level I

Asphalt Paving Technician II

Concrete Field Technician Level I

Earthwork Construction Inspection Level I

Earthwork Construction Inspection Level II

Final Estimates

Level I

Final Estimates Level II

Quality Control Manager

Office:

Orlando, Florida

Percentage of Time to be Assigned Full-Time to this Project:

80%

Years of Experience:

18

Years with Tetra Tech:

1

Group 183 Various Projects, FDOT District Five, Brevard County, FL.

Project Administrator. Responsible for observing work in progress to ensure that workmanship and materials used conform to specifications; record quantities of materials received or used during specific periods; maintain daily log of construction and inspection activities and compare progress reports; compute monthly estimates of work completed; prepare final estimates; and examine the contractor's schedule for conformance with project requirements.

I-95/295 North Design-Build, FDOT District Two, Duval County, FL.

Structures Project Administrator. Responsible for observing pile driving work in progress and ensuring that the contractor's workmanship and material conformed to specifications. Proactively reviewed recorded quantities; maintained and forwarded daily driving logs to D2 Structures personnel with the Department and coordinated the submission and organization of the foundation certification packages. This project featured complex MOT, MSE Walls, PCCP & Asphalt Roadway, 13 Bridges and 10 Box Culverts.

Old Dixie Highway Resurfacing and Rehabilitation, Flagler County BOCC, Flagler County, FL.

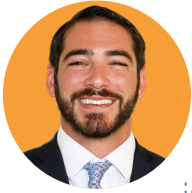
Project Administrator. Responsible for observing work in progress to ensure that workmanship and materials used conform to specifications; record quantities of materials received or used during specific periods; maintain daily log of construction and inspection activities and compare progress reports; compute monthly estimates of work completed; prepare final estimates; and examine the contractor's schedule for conformance with project requirements. This 2.3-mile rehabilitation project included roadway and shoulder widening; milling and resurfacing; drainage improvements, including up to 60-inch side and cross-drain installation, box culverts, and ditch grading; utility adjustments; and signing and pavement marking.

426904-3-52-01, I-95 Interchange at St. Johns Heritage Parkway/Palm Bay Parkway North of Micco Road, FDOT District Five, Brevard County, FL.

Project Administrator. Responsible for observing work in progress to ensure that workmanship and materials used conform to specifications; record quantities of materials received or used during specific periods; maintain daily log of construction and inspection activities and compare progress reports; compute monthly estimates of work completed; prepare final estimates; and examine the contractor's schedule for conformance with project requirements. Construction consisted of new DDI interchange, widening and resurfacing of mainline I-95, new drainage system, water retention ponds, earthwork, mechanically stabilized earth (MSE) walls, highway lighting, drilled shafts, signalization, intelligent transportation system (ITS), and signing and pavement marking.

**Construction
Technical Advisor**

BRETT MESSNER, PE



Mr. Messner is a Senior Project Manager and Vice President in the Infrastructure East West Planning Group at Tetra Tech, with more than thirteen years of design and results-oriented consulting experience. His experience includes complete project management from design through construction on design reports, capital improvement planning, final design, drawings, specifications, contract documents, permitting, bidding, construction of both water and wastewater facilities, and start-up services.

Name of Firm:

Tetra Tech, Inc.

Title:Senior Project Manager/
Vice President**Education:**MS, Civil Engineering, University of
Florida, 2010BS, Civil Engineering, University of
Florida, 2009, Cum Laude**Registrations/Certifications:**Professional Engineer;
Florida #77029**Professional Affiliations:**American Public Works Association
American Society of Civil Engineers**Office:**

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

25%

Years of Experience:

13

Years with Tetra Tech:

13

Distribution System Improvements, Charlotte Harbor Water Association, Punta

Gorda, FL. Program Manager. Replacement and installation of approximately 96,000 LF of 4-to 8-inch water main in the Harbour Heights residential community, located on the east side of the CHWA's service area. Proposed water mains will be installed primarily by open-cut trenching but also horizontal directional drilling to minimize restoration and disturbance to the residential area. Due to a large quantity of gopher tortoise burrows surveyed during the preliminary design and U.S. Fish and Wildlife Services regulations, the project team will sequence construction to both expedite construction and minimize environmental impact. The project includes preliminary and final design, permitting, bidding assistance, and construction administration services.

North 1 Utilities Extension Program, City of Cape Coral, FL. Project Manager. The North 1 Utilities Extension Project (UEP) is part of an ongoing program with the goal of extending potable water, wastewater, and irrigation water to all residents of the City of Cape Coral. The North 1 portion of the City's UEP program is the next section which has been chosen to receive services based on a variety of factors including its geographical location, development density, and future growth needs. The City of Cape Coral (City) owns and operates an extensive utility system which provides potable water, wastewater, and irrigation services to approximately 58,500 equivalent residential units (ERUs) located within 55 square miles of the existing utility service areas. The North 1 UEP area is approximately 4.3 square miles in size with 7,704 pre-platted parcels, which equates to a total of 9,498 ERUs.

Potable Water Facilities Plan, Town of Fort Myers Beach, FL. Project Manager. Preliminary facilities plan (including preliminary infrastructure planning, alternative analysis, and cost estimating) to assist the Town with improved reliability and level of service. Developed Potable Water Facilities Plans as part of the planning and implementation efforts to improve the infrastructure serving its residents. Facilities plan included an analysis of the existing infrastructure, the socio-economic conditions, and design alternatives. Determined the distribution system should be upgraded by installing new PVC pipe and lateral service connections to replace outdated infrastructure. New fire hydrants were included in the plan to meet local spacing and fire flow requirements. Advised Town to install new 8-, 10-, and 16-inch PVC water distribution mains in a "loop system" by open cut construction methods.

Water System Improvement Program, Fort Myers Beach, FL. Project Engineer. Engineer-of-Record for over 90,000 LF of water and stormwater improvements. Water system improvements include hydraulic modeling to determine required pipe size to meet peak demands and fire flow conditions, replacement of aged asbestos cement transmission piping with properly sized 12- and 16-inch PVC pipe, and replacement of distribution piping to all side streets with 6- and 8-inch PVC piping with proper valving and fire hydrants.

**Construction
Technical Advisor**

JAMEY WALLACE, PE



Mr. Wallace brings over 27 years of progressive and diverse professional expertise. His comprehensive experience is primarily focused within the municipal water and wastewater sector having served as the Owner's Engineer, Project Manager, Engineer-of-Record and/or Project Principal on the majority of the projects in his portfolio. Additionally, he brings a deep resume of technical expertise exclusively built upon water, wastewater, and reclaimed water projects with a varied background in both traditional delivery and extensive design-build project delivery experience.

Name of Firm:

Tetra Tech, Inc.

Title:

Vice President

Education:

MBA., University of Florida
BS, Environmental Engineering,
University of Florida

Registrations/Certifications:

Professional Engineer:
Florida #55369

Office:

Jacksonville, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

25%

Years of Experience:

27

Years with Tetra Tech:

1

Hollywood Beach Utility Infrastructure Improvements PH1, City of Hollywood

Department of Utilities, Hollywood, FL. Quality Review. Responsible for water system improvements involving upgrading 2- to 6-inch diameter water mains one nominal size, replacing 8- to 18-inch diameter water mains via Open Cut with four 16- to 24-inch diameter water mains via Horizontal Directional Drill (HDD) method, isolation valves, fire hydrants, water services, and water meters. The wastewater system improvements involve replacement of Lift Station E-09, force main, gravity sewer and manhole structures.

Total Water Management Plan (TWMP) Segment 2 River Crossing Horizontal

Directional Drill (HDD) Design-Build, JEA, Jacksonville, FL. Project Manager/Engineer-of-Record. This project demonstrated our ability to manage a very aggressive schedule and coordinate critical project challenges with various stakeholders and permitting agencies, including FDOT. The project included a new 7,500 LF 36-inch water main, of which 6,500 LF installed by HDD, 110 feet below the St. Johns River surface and over 1,000 LF of open cut installation with a 190 LF Jack and Bore under Arlington Expressway inside 54-inch steel casing pipe. The project was delivered through a Progressive Design-Build delivery method.

South Shores Sub-Aqueous Force Main, JEA, Jacksonville, FL. Project Manager/Engineer-of-Record. PM/EOR for a new 5,200 LF 36-inch wastewater force main, of which 4,000 LF installed by HDD over 100 feet below the St. Johns River in 42-inch steel casing. Project demonstrated our ability to manage a very aggressive schedule and coordinate critical project decisions with third parties, including COJ, FDOT and the Jacksonville Jaguars/SMG. A second HDD of 800 LF was completed adjacent to EverBank Stadium along a very congested corridor, including open cut connections at Duval Street and Franklin Street, as well as significant open-cut connections at the Utah Master Pump Station. The project was delivered utilizing the Lump Sum Design-Build delivery method.

Membrane Design, City of Lake Worth, Lake Worth, FL. Membrane Design Engineer-of-Record and QA/QC. Design of a new 4.5 MGD Reverse Osmosis (RO) membrane water treatment system, including static filters, membrane feed pumps and membrane skids for the City of Lake Worth.

West WTP Improvements Project, City of Boynton Beach, Boynton Beach, FL. Project Manager. Included the replacement of membrane softening elements and feed pumps for a 10.4 MGD WTP expansion and upgrade. Additionally, the design of a new 1,200 lb/day on-site sodium hypochlorite generation system.

Brighton Indian Reservation 0.8 MGD nanofiltration (NF) Water Treatment Plant, Seminole Tribe of Florida, Lake Okeechobee, FL. Lead Process Engineer. Lead pipeline, pump station and treatment engineer for design of the Brighton WTP, Seminole Tribe of Florida, Brighton, FL. Included a new WTP, seven raw water wells and over 32,500 LF of 6-inch to 12-inch raw, finished and effluent water mains, as well as three new prestressed concrete ground storage tanks (4 MG, 3 MG and 0.75 MG) and five pump stations.

**Construction
Technical Advisor**

TYLER WAINRIGHT, PE



Mr. Wainright serves as a project engineer with expertise in utilities and construction management. His experience includes engineering analyses and technical design on a variety of water, wastewater, and civil projects. His experience includes the design and construction management of water and wastewater transmission facilities, water and wastewater treatment plants, permitting and planning of utility infrastructure.

Name of Firm:

Tetra Tech, Inc.

Title:

Project Engineer

Education:

BS, Civil Engineering, Florida State University, 2009

Registrations/Certifications:Professional Engineer:
Florida #80476OSHA 30-Hour Outreach Training
for the Construction Industry, 2013**Professional Affiliations:**Florida Water Environment
Association
American Society of Civil Engineers**Office:**

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

11

Years with Tetra Tech:

11

Wastewater Engineer-of-Record, Golden Gate WWTP Expansion, Collier County, FL.

Project Manager. Selected as Wastewater Engineer-of-Record for Golden Gate City. Project includes conversion of an existing extended air WWTP to high-level disinfection. Preparation of a 20-year wastewater master plan. Design of a new 4.0-MGD (expandable to 8.0) membrane bioreactor WWTP. Collection and transmission system improvements, including rehabilitation of over 36 miles of sewer mains, 28 lift stations, and 437 manholes.

Carica Pump Station Improvements, Collier County, FL. Project Manager. Preliminary and final design, permitting, bidding, and engineering. Carica is the County's largest potable water pump station, pumping up to 26 MGD of potable water to supply a majority of the County and provide sufficient pressures to meet fire flow demands at the extremities of the distribution system. Performed hydraulic modeling of pump suction piping and vertical turbine cans and determined piping was too small to handle peak flows and the pipe orientation within the pipe trench feeding the pumps created too much headloss. Increased conveyance capacity by replacing all the 36- and 48-inch diameter yard piping inside and outside of the station and replacing the 400-HP pumps, motors, VFDs, ATSSs, and electrical components inside of the station. .

Orange Tree Water Treatment Plant Improvements, Collier County, FL. Project Manager. Design of a complete rehabilitation to the existing 0.75 MGD water treatment plant including the conversion of the disinfection system to chloramine from free chlorine, replacement and upgrades to the high service pumps, a new steel operations and office building, parking, and site improvements. Cost: \$3M (Estimated Construction). Design of the project is complete and is ready for construction.

Water System Improvement Program, Fort Myers Beach, FL. Project Engineer. Engineer-of-Record for over 90,000 LF of water and stormwater improvements. Water system improvements include hydraulic modeling to determine required pipe size to meet peak demands and fire flow conditions, replacement of aged asbestos cement transmission piping with properly sized 12- and 16-inch PVC pipe, and replacement of distribution piping to all side streets with 6- and 8-inch PVC piping with proper valving and fire hydrants.

New Post Road Water Main Replacement, Lee County Utilities, FL. Project Manager. Preliminary design, surveying, geotechnical engineering, final design, permitting, bidding, construction engineering and inspection, and construction administrative services during construction for the replacement of approximately 8,400 LF of 8-inch water main, 2,436 LF of 6-inch water main, and 2,820 LF of 4-inch water main in the New Post Road community of North Fort Myers. Project originally designed by another engineering firm and Tetra Tech adopted it to incorporate more construction-friendly methods of installation. Challenging project due to limited right-of-way space in the area and heavily congested "green spaces," available for placement of proposed pipelines.

**Construction
Technical Advisor**

MATT MOSHIRI, PE



Mr. Moshiri brings over 25 years of engineering experience to every project. His career expands over two decades of managing large offices and staff on both the private and public side. He currently manages the CEI program nationally for Tetra Tech. In his current position of operations manager, he is more involved in operating the entire CEI program for transportation group. Prior to that, he has managed all sizes of construction projects, ranging from thousands to multi-million dollar projects.

Name of Firm:

Tetra Tech, Inc.

Title:

Operations Manager/Vice President

Education:

MS, Civil Engineering, Emphasis
on Construction, Oklahoma State
University, 2004

BS, Civil Engineering, Oklahoma
State University, 1998

Registrations/Certifications:

Professional Engineer:
Florida #74906
Oklahoma #21308
Texas #111887, 2012
FDOT TIN No. M26055364
FDOT Advanced MOT, 606003,
2023

Professional Affiliations:

American Concrete Pavement
Association
American Council of Engineering
Companies

Office:

Orlando Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

25

Years with Tetra Tech:

12

Village of Estero/FDOT, Lee County, FL. US-41 Median improvements and turn lane movements and traffic control during construction. Inspection of 2 years maintenance by Prime contractor. Contract amount \$200K.

Fort Myers/FDOT, Lee County, FL. Subcontractor for Jacobs Engineering on FDOT contracts for sidewalk improvements. 2 contracts worth \$100,000.

Kickapoo Turnpike, Oklahoma Turnpike Authority, Oklahoma County, OK.

Construction of Turner interchange, 2 multiple bridge packages, 8 miles of grading and substructure, 8 miles of pavement. roads & bridges connecting Turner Turnpike to I-40. CEI Contract amount of \$7.5M.

EC-2060, Construction Services, ODOT, Statewide, OK. Resident Project Engineer. Responsible for multiple task orders including a bridge over Grand River. The contract amount was for \$6.0M.

EC-2061, Painting and Sub-structure Repair, ODOT, Statewide, OK. Construction Manager. Oversaw the painting and repair of multiple task orders including a historical truss bridge. Contract amount of \$2.7M.

EC-1852, Construction Services, ODOT, Statewide, OK. Resident Project Engineer. Responsible for multiple task orders including a bridge over Grand River. The contract amount was for \$6.4M.

EC-1853, Painting and Sub-structure Repair, ODOT, Statewide, OK. Construction Manager. Oversaw the painting and repair of multiple task orders including a historical truss bridge. Contract amount of \$ 3M.

EC-1552, Construction Services, ODOT, Statewide, OK. Resident Project Engineer. Responsible for multiple task orders including a bridge over Grand River. The contract amount was for \$7M to \$10M.

EC-1553, Painting and Sub-structure Repair, ODOT, Statewide, OK. Construction Manager. Oversaw the painting and repair of multiple task orders including a historical truss bridge. Contract amount of \$2M to \$4M.

EC-1423, Construction Services, ODOT, Statewide, OK. Resident Project Engineer. Responsible for multiple task orders including a bridge over Grand River. The contract amount was for \$7M with project duration of 375 calendar days.

EC-1424, Painting and Sub-structure Repair, ODOT, Tulsa, OK. Construction Manager. Oversaw the painting and repair of multiple task orders including a historical truss bridge in city of Catoosa with the construction estimate of \$1.2M.

Street Bond Package, City of Sapulpa, OK. Construction management and oversight of complete reconstruction of two main roads within the city of Sapulpa. Included was construction management of new lift station for water treatment facility. Bond approved for \$10M. CM Management fees of \$225K.

**Water / Wastewater
Pump Stations**

CHRISTOPHER ZAVATSKY, PE



Mr. Zavatsky has a decade of planning and design experience on a wide range of projects with an emphasis on pump station planning, design, permitting, and construction. He has designed over 50 pump stations and assisted with the construction oversight of many. His experience includes pump stations on one of the largest pump station networks in the country as well as with the City of Hollywood.

Name of Firm:

Tetra Tech, Inc.

Title:

Vice President

Education:BS, Environmental Engineering,
University of Central Florida**Registrations/Certifications:**Professional Engineer:
Florida #49487**Professional Affiliations:**American Society of Civil Engineers
American Water Works Association**Office:**

Miami, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

50%

Years of Experience:

14

Years with Tetra Tech:

6

Boulevard Heights Septic-to-Sewer Conversion, City of Hollywood, FL. Engineer.

Tetra Tech is implementing a partial septic-to-sewer conversion project for the Boulevard Heights residential neighborhood. Services include review of the City's sanitary sewer system, planning the gravity sewer extension, preparation of a technical memoranda, coordination with Broward County Environmental Protection and Growth Management Department prior to design, design and supporting services to connect properties to the City's gravity sewer system, permitting, bidding assistance, and construction administration services. Highlights include careful review and design for shallow gravity sewers using ductile iron piping such that connection for each parcel is feasible. This project will extend sewer service to 101 properties with the installation of approximately 5,300 LF of 8-inch diameter piping.

Water Main Replacement Program: Pembroke to Hollywood Boulevard, City of Hollywood, FL. Assistant Engineer.

Supported the coordination and review of survey and geotechnical reports. Assisted in designing and permitting the replacement of aged water main infrastructure in the neighborhoods of Lawn Acres and Washington Park. Scope of work included water main confirmations and coordination, surveying, utilities verification, subsurface utility evaluations, geotechnical, final design, permitting, bidding assistance, and construction services. The City has an ongoing water main replacement program and has identified the area from Pembroke Road to Hollywood Boulevard between N. 52 and 56 Avenues and SR 441 as a project for Tetra Tech to design under the General Engineering Consulting Services contract. The water main improvements consist of approximately 70,000 feet of 2-inch, 4-inch, 6-inch, 8-inch, 12-inch, and 16-inch diameter water mains along local City streets and easements. The existing utilities were replaced with new PVC water mains, isolation valves, fire hydrants, and water services. Water meter and boxes remain within easements or street rights-of-ways.

Royal Poinciana Sewer Expansion, City of Hollywood, FL. Septic to sanitary conversion project from Sheridan Boulevard to Taft Street and from Federal Highway (US1) to N. 21st Avenue. Project included three preliminary sanitary sewer system design layouts for addition of a new lift station location on Coolidge Street, evaluation of the existing E-22 lift station at the current location, and a split-flow plan for flows being directed to a lift station at both E-22 and Coolidge Street. Assisted in the preparation of a preliminary routing and flow evaluation technical memo for approval prior to the final design layout and lift station siting. The project consisted of approximately 26,000 feet of new gravity sewer piping ranging from 8- to 12-inches in diameter, over 90 new manholes, laterals to each parcel for future connections and abandonment of the existing septic tanks, abandonment of four existing lift stations with associated tie-ins to the new gravity sewer system, abandonment and placing out of service existing force main piping, conflict resolution and soft digs due to the heavily congested corridors with existing utilities and duct banks, and relocation of water mains where necessary. The project included lift station siting, new duplex lift station design to handle the area's wastewater flows, and new control panel and electrical, mechanical, and structural system design.

**Watermain / Grant
Management**

ALBERTO ABARCA, PE



Mr. Abarca is an environmental engineer with extensive knowledge of the City of Hollywood water, wastewater, and stormwater utility. He has gained this experience over six years by assisting or leading planning, design, or construction activities on the City's infrastructure projects. In addition, Mr. Abarca is leading the Grant Assistance project with the City, overseeing grant opportunities and requirements on behalf of the City.

Name of Firm:

Tetra Tech, Inc.

Title:

Civil Engineer

Education:

MS, Environmental/Environmental
Health Engineering, Florida
International University

BS, Industrial Engineering,
Universidad Rafael Urdaneta,
Maracaibo, Venezuela

Registrations/Certifications:

Professional Engineer:
Florida #94299

Professional Affiliations:

American Water Works Association
American Society of Civil Engineers

Office:

Orlando, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

75%

Years of Experience:

6

Years with Tetra Tech:

6

Boulevard Heights Septic-to-Sewer Conversion, City of Hollywood, FL. Project Engineer. Tetra Tech is implementing a partial septic-to-sewer conversion project for the Boulevard Heights residential neighborhood. Services include review of the City's sanitary sewer system, planning the gravity sewer extension, preparation of a technical memoranda, coordination with Broward County Environmental Protection and Growth Management Department prior to design, design and supporting services to connect properties to the City's gravity sewer system, permitting, bidding assistance, and construction administration services. Highlights include careful review and design for shallow gravity sewers using ductile iron piping such that connection for each parcel is feasible. This project will extend sewer service to 101 properties with the installation of approximately 5,300 LF of 8-inch diameter piping.

Water Main Replacement Program: Pembroke to Hollywood Boulevard, City of Hollywood, FL. Project Engineer. Supported the coordination and review of survey and geotechnical reports. Scope of work included water main confirmations and coordination, surveying, utilities verification, subsurface utility evaluations, geotechnical, final design, permitting, bidding assistance, and construction services. The water main improvements consist of approximately 70,000 feet of 2-inch, 4-inch, 6-inch, 8-inch, 12-inch, and 16-inch diameter water mains along local City streets and easements. The existing utilities were replaced with new PVC water mains, isolation valves, fire hydrants, and water services. Water meter and boxes remain within easements or street rights-of-ways.

Royal Poinciana Sewer Expansion, City of Hollywood, FL. Project Engineer. Septic to sanitary conversion project from Sheridan Boulevard to Taft Street and from Federal Highway (US1) to N. 21st Avenue. Project included three preliminary sanitary sewer system design layouts for addition of a new lift station location on Coolidge Street, evaluation of the existing E-22 lift station at the current location, and a split-flow plan for flows being directed to a lift station at both E-22 and Coolidge Street. The project consisted of approximately 26,000 feet of new gravity sewer piping ranging from 8- to 12-inches in diameter, over 90 new manholes, laterals to each parcel for future connections and abandonment of the existing septic tanks, abandonment of four existing lift stations with associated tie-ins to the new gravity sewer system, abandonment and placing out of service existing force main piping, conflict resolution and soft digs due to the heavily congested corridors with existing utilities and duct banks, and relocation of water mains where necessary.

Grant Management Program, City of Hollywood, FL. Project Engineer. Tetra Tech is working with the City of Hollywood to assist with the identification and evaluation of available grant funding opportunities, preparation of grants/loans applications, monthly and quarterly reporting, existing and future grant administration, and preparation of engineering supporting documentation, including environmental reviews, review of grant timelines, and requirements.

Stormwater

DIANA SANTANDER, PE



Ms. Santander over two decades of experience in the areas of environmental, general civil, and geotechnical engineering. She has extensive experience with water, wastewater, reuse, and stormwater utilities and infrastructure. As a Senior Project Manager, she oversees teams of engineers and other professionals on projects for major clients. She has recently successfully delivered multiple Basis of Design Reports for water and sewer utilities throughout major corridors in Miami-Dade County, incorporating sea level rise and tidal projections and climate change resiliency.

Name of Firm:

Tetra Tech, Inc.

Title:

Senior Project Manager

Education:

MS, Civil Engineering, Louisiana State University

BS, Civil Engineering, Pontifical Xaverian University, Bogota, Colombia

Registrations/Certifications:Professional Engineer:
Florida #65854**Professional Affiliations:**American Society of Civil Engineers
American Water Works Association**Office:**

Orlando, Florida

Percentage of Time to be Assigned Full-Time to this Project::

25%

Years of Experience:

25

Years with Tetra Tech:

8

Royal Poinciana Sewer Expansion, City of Hollywood, FL. Project Engineer for septic to sanitary conversion project from Sheridan Boulevard to Taft Street and from Federal Highway (US1) to N. 21st Avenue. Project included three preliminary sanitary sewer system design layouts for addition of a new lift station location on Coolidge Street, evaluation of the existing E-22 lift station at the current location, and a split-flow plan for flows being directed to a lift station at both E-22 and Coolidge Street. Assisted in the preparation of a preliminary routing and flow evaluation technical memo for approval prior to the final design layout and lift station siting. The project consisted of approximately 26,000 feet of new gravity sewer piping ranging from 8- to 12-inches in diameter, over 90 new manholes, laterals to each parcel for future connections and abandonment of the existing septic tanks, abandonment of four existing lift stations with associated tie-ins to the new gravity sewer system, abandonment and placing out of service existing force main piping, conflict resolution and soft digs due to the heavily congested corridors with existing utilities and duct banks, and relocation of water mains where necessary. The project included lift station siting, new duplex lift station design to handle the area's wastewater flows, and new control panel and electrical, mechanical, and structural system design. Permitting includes Broward County Environmental Protection and Growth Management (EPGMD) and City of Hollywood Building Department permitting for the wastewater system and Broward County right-of-way use for facilities located on N. 21st Avenue.

NW 109th Street Pavement, Drainage and Water Improvements, Town of Medley, FL.

Project Manager. This project consisted of the design of pavement, drainage, water, and sewer improvements along NW 109th Street and NW 97th Avenue. Responsible for the preparation of engineering drawings and technical specifications, providing permitting services through Miami-Dade County and the Town of Medley Building Department, bid services, and general project management.

Flood Mitigation Area Study and Drainage Design, Town of Medley, FL. Project Manager. The project provided a solution to mitigate the ongoing severe flooding problems within this 266-acre project area, while improving the stormwater pre-treatment. It included environmental site assessments, design and permitting of a stormwater management system consisting of approximately 1,090 LF of exfiltration trench, 5,580 LF of solid pipe, and 83 drainage structures. It also included the installation of asphalt and concrete pavement, new curb and gutter, and associated pavement markings, signage, and sodding. Specific activities included hydraulic calculation and modeling, pavement calculations including the installation of a geomembrane, preparation of engineering drawings, development of technical specifications, preparation of opinion of probable costs, and assistance during bid process.

Roadway

NICK BENEDICO, PE, PMP, AICP, ENV-SP



Mr. Benedico is responsible for managing the Florida transportation resources. Serving as senior project manager, he is responsible for management oversight, coordination, marketing, client contact, project scheduling, quality assurance and control, billing, profitability, and progress reporting. Mr. Benedico's extensive experience ranges from minor roadway improvements to complex highway design.

Name of Firm:

Tetra Tech, Inc.

Title:

Senior Project Manager

Education:

MBA, Business Administration,
University of Central Florida, 1995
BS, Civil Engineering, University of
Florida, 1989

Registrations/Certifications:

Professional Engineer:
Florida #0048110
Michigan #6201067187
Texas #131322
American Institute of Certified
Planners (AICP), 017037, 2001
Project Management Professional
(PMP), 463251, 2007
Envision Sustainability Professional
(ENV-SP), 2016
FDOT Advanced MOT, 17228

Professional Affiliations:

American Planning Association
Florida Engineering Society

Office:

Orlando, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

33

Years with Tetra Tech:

7

Sheridan Street (SR 822) Utilities Replacement, City of Hollywood, FL. Project Engineer. As part of water line replacement project, traffic control plans were developed to maintain traffic on a four-lane arterial in Broward County. Phasing plans were developed for four intersections, including detours and provisions for pedestrian access.

US 192/SR 500 Resurfacing and Safety Improvements from Hibiscus Road to the Brevard County Line, Florida Department of Transportation (FDOT) District 5, Osceola County, FL. Project Manager. This project involves milling and resurfacing of the pavement and shoulder widening along 6.0 miles of a four-lane, divided roadway.

SR 100 from N. Palmetto Street to Old Kings Road, FDOT District 5, Flagler County, FL. Project Manager. This project consists of milling and resurfacing of the pavement, extensions of turn lanes, adding sidewalks, drainage improvements, the addition of wrong-way driving detection on the I-95 ramps, traffic signal mast arms, intersection lighting, and other safety improvements along 4.5 miles of a six-lane, divided, rural roadway in the Cities of Bunnell and Palm Coast.

SR 46 Resurfacing from US 17/92 to Mellonville Avenue, FDOT District 5, Seminole County, FL. Project Manager. This project consists of milling and resurfacing of the pavement, access management, median improvements, adding bicycle lanes, reconstruction of pedestrian curb ramps, drainage improvements, and other safety improvements along 1.0 miles of a five-lane, urban roadway in the City of Sanford.

SR 35/US 301 from CR 521 to SR 44, FDOT District 5, Sumter County, FL. Project Manager. This project consists of milling and resurfacing of the pavement, shoulder widening, adding sidewalks, reconstruction of pedestrian curb ramps, drainage improvements, and other safety improvements along 2.9 miles of a two and four-lane, divided, rural roadway near the City of Wildwood.

SR 25/SR 500/US 27 from Morse Boulevard to SE 178th Place, FDOT District 5, Sumter and Marion Counties, FL. Project Manager. This project consists of milling and resurfacing of the pavement, extensions of turn lanes, adding sidewalks, drainage improvements, and other safety improvements along 1.9 miles of a six-lane, divided, rural roadway near The Villages.

US 192/SR 500 Resurfacing and Safety Improvements from the Osceola County Line to I-95, Florida Department of Transportation (FDOT) District 5, Brevard County, FL. Project Manager. This project involves milling and resurfacing of the pavement, shoulder widening, guardrail replacement, and drainage improvements along 9.8 miles of a four-lane, divided roadway. The project included the addition of wrong-way driving detection in the I-95 exit-ramps and a new sidewalk.

**Resident Project
Representative**

TRAVIS LISZAK



Mr. Liszak has over 16 years of construction engineering and inspection experience ranging from oversight of roadway improvement for new and replacement projects. In addition, Mr. Liszak's experience includes oversight of utility infrastructure improvements.

Name of Firm:

Tetra Tech, Inc.

Title:

Senior Inspector

Education:

General Coursework, Florida Atlanta University

Registrations/Certifications:

Tin No. L220818830940

Advanced Maintenance of Traffic
Asphalt Paving Technician Level I
& IIConcrete Field Technician Level I
Earthwork Construction, ACI

Inspection Level I & II

Final Estimates Level I&II

Florida Department of
EnvironmentalProtection Stormwater Management
Inspector

IMSA Fiber Optics Tech Level I

IMSA Traffic Signal Tech Level I

Office:

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

16

Years with Tetra Tech:

7

FGUA Transmission Main Project, City of Cape Coral/Utilities, Cape Coral, FL. Lead Senior inspector providing CEI services to the City of Cape Coral during Irrigation main installation throughout the populous Del Prado Corridor. Scope of work includes open cut installation of 24" ductile iron pipe, directional boring of 30" HDPE, pump station updates and associated restoration efforts. Construction Cost \$8.7 million.

US41 Landscape Improvement Project (Village of Estero/Public Works), Village of Estero, FL. Provided contract support, estimate review/ processing and claims avoidance associated with median beautification efforts within the US41corridor. Project constructed with FDOT/ LAP reimbursement funds.

SR 45A (U.S 41) (Venice Bypass) from Gulf Coast Boulevard north approximately 1.138miles to North of Bird Bay Dr. W, City of Venice, FDOT District One, Sarasota County, FL. Lead Senior Inspector providing full service CEI on this roadway improvement project consisting of widening U.S 41 from 4 lanes to a 6-lane roadway, from Gulf Coast Boulevard to Bird Bay Drive, improving roadway drainage, installing retention ponds, constructing 7-footbicycle lanes, and adding concrete sidewalks. The project includes upgrades to lighting, signalization, and bus pads. In addition, relocate/replace water and sewer lines, milling and resurfacing, curb and gutter and landscaping for the city of Venice. FM NO. 198017-4-52-01, Construction Cost \$16.6M.

Sarasota Automatic Traffic Management System (ATMS) Phase IV, Sarasota County, Sarasota, FL. Senior Inspector. CEI for Design build project that includes 52 signalized intersections throughout Sarasota County, City of Sarasota and the City of North Port will have the existing traffic controllers and signal equipment upgraded. The improvements will consist of installing, integrating and testing the ATMS field elements, including traffic controllers and cabinets, Closed-Circuit Television (CCTV) cameras, and fiber optic communications cable and transmission equipment along the roadways. As part of this project, up to 10 intersections will receive full Americans with Disability Act (ADA) upgrades to meet current standards.

US 17 (SR 35) Widening from 0.4 Miles South of Southwest Collins Street to South of CR 760A (FPID: 417876-1-62-01), Nocatee, FL. FDOT District One. Senior Inspector for this project that will widen approximately 5.7 miles of US 17 (SR 35) from the existing two-lane roadway to a proposed four-lane divided roadway with a depressed median and roadside ditch. The proposed roadway will include two 12-foottravel lanes in each direction along with four and five-foot paved outside shoulders. Some of the unique project elements include a vast amount of excavation and drainage, extensive utility coordination including a Joint Project Agreement with DeSoto County Utilities and maintenance of traffic. Drainage work consists of new drainage pipe, nine ponds and two floodplain compensation sites. An active Seminole Gulf Railway corridor aligns the project to the west and many environmental concerns are present within the corridor.

**Resident Project
Representative**

RICHARD HOADLEY



Mr. Hoadley has 42 years of experience in construction. He has extensive experience in underground utilities and has managed projects from start to completion.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Supervisor

Education:

Auto Mechanics, South Tech Academy, 1981

Office:

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

42

Years with Tetra Tech:

2

Distribution System Improvements, Charlotte Harbor Water Association, Punta Gorda, FL.

Construction Supervisor. Replacement and installation of approximately 100,000 LF of 4- to 8-inch water main in the Harbour Heights residential community, located on the East side of the Charlotte Harbor Water Association's service area. Proposed water mains will be installed primarily by open-cut trenching but also horizontal direction drilling to minimize restoration and disturbance to the residential area. Due to a large quantity of gopher tortoise burrows surveyed during the preliminary design and U.S. Fish and Wildlife Services regulations, the project team will sequence construction in order to both expedite construction and also minimize environmental impact. The project includes preliminary and final design, permitting, bidding assistance, and construction administration services.

North 1 Utility Extension Program, City of Cape Coral, FL.

Construction Supervisor. The City's program is for the expansion of the City's water, wastewater and irrigation systems to a 5 square mile area north of Pine Island Road. The project includes surveying, geotechnical investigations, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding and construction management. The project includes over 250 miles of potable water, wastewater collection, wastewater transmission and irrigation utility piping.

Estero Blvd and Side Street Improvements, Town of Fort Myers Beach FL.

Construction Supervisor and Foreman. Installation of Watermains and Drainage Pipes.

**Construction
Inspection Support**

WYATT PIERCE

Mr. Pierce is a seasoned construction inspection professional with an impressive nine-year track record of excellence in the field. His expertise lies in the realm of utility management, where he has consistently demonstrated his proficiency in collection and distribution systems. Throughout his career, Mr. Pierce has earned a reputation for his dedication to quality, attention to detail, and unwavering commitment to ensuring that construction projects meet the highest industry standards.

Name of Firm:

Tetra Tech, Inc.

Title:

Technician

Education:Coursework, Mesa State College,
COGraduate Moffat County High
School, Craig, CO**Registrations/Certifications:**Colorado Collection and Distribution
level 1 Certification**Office:**

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

20%

Years of Experience:

9

Years with Tetra Tech:

2

Various Projects, Gateway Services Community Development District - Gateway, FL. Mr. Peirce served as a Utility/Field Technician at Gateway Services Community Development District. Responsibilities included:

- Replace and repair water meter transmitters
- Log and completion of unit work orders
- Install new water meters and transmitters
- Install new acres, repeaters, and collectors for the metering system
- Install new omni antennas, GPS antennas, and cellular antennas for the water metering system
- Trouble shoot acres, repeaters, and collectors for the metering system
- Install new water meter boxes
- Repair or replace water meters if they are not working
- Maintenance on lift stations and pumps
- Repair of lift station pumps and check valves
- Installation of new lift station pumps
- Hook up generators and bypass pumps to lift stations for emergencies
- Operate fire hydrants and valves
- Operate main line valves throughout the community
- Repair hydrants that are inoperable in the system
- Repair broken and uneven sidewalks throughout the community
- Use of as-builts and construction plans for the whole system
- Locate sewer clean outs, meter boxes, fire hydrants, valves, and sewer manholes.
- Service calls for high usage of water and possible leaks
- Daily communication with the public and customer service
- Repair broken water and reclaim mains.
- Repair broken residential water and reclaim services
- Install new fire hydrants and isolation valves
- Install new water services for residents

**Construction
Inspection Support**

JOSHUA HALE



Mr. Hale is an experienced infrastructure inspector with excellent client and management relations. Mr. Hale has extensive experience in earthwork, subgrade, base and concrete testing. In addition to infrastructure work, Mr. Hale also worked on private development projects as well.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Engineering Inspection
Support

Education:

General Coursework, Edison
Community College

Registrations/Certifications:

TIN No. H40043286
FDEP Stormwater Management
Inspector
Advanced Maintenance of Traffic
Concrete Field Technician Level I
Earthwork Construction Inspection
Level I & II
Asphalt Paving Technician Level I
& II

Office:

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

20%

Years of Experience:

8

Years with Tetra Tech:

5

FGUA Irrigation Pipeline, City of Cape Coral, FL. Inspector. This project includes the installation of 4 miles of 24" and 30" Reclaimed Water main along Del Prado Parkway. The work includes over 1,000' of directional bores as the new main connects FGUA's existing RCWM at the northern end of Del Prado Blvd to the City of Cape Coral's existing RCWM at SR 78.

Crockett St, Hampton St and Abernathy St, City of Bonita Springs, FDOT District 1, FL. Inspector. This project consists of excavation of existing right-hand lanes as well as installation of 18" RCP and drainage structures throughout on aforementioned streets. Also included with this project is the forming and finishing of sidewalks, curb and gutter and driveways along each previously mentioned. Reconstruction of lanes was done in accordance with FDOT standard specifications for road and bridge. This project will also consist of the paving of lanes and placement of sod as well as any other final restoration that may be required.

US 41 from 10th St to 1th St, Sarasota County, FDOT District 1, FL. QC Technician providing quality control testing on this US 41 roundabout project. Work consisted of drainage, embankment and utility testing.

White Boulevard Bridge Replacement, Collier County Transportation, Collier County, FL. QC Technician providing earthwork and concrete quality control testing on this project. Work consisted of replacing the existing bridge structure as well as reconstructing the bridge approaches in Golden Gate Estates.

Chokoloskee Bridge Replacement, Collier County Transportation, Collier County, FL. QC Technician providing earthwork and concrete quality control testing on this project. The project consisted of replacing the existing bridge structure as well as reconstructing the bridge approaches on the only road connecting Chokoloskee to the mainland.

SR 82 from Lee Blvd to Shawnee Rd, FDOT District 1, Lee County, FL. QC Technician providing quality control testing on this project consisting of widening SR 82 from two to six lanes. Work consisted of embankment, stabilization, base and concrete testing.

SR 45A (US 41) (Venice Bypass) from Gulf Coast Boulevard northerly approximately 1.138 miles to North of Bird Bay Dr. W, FDOT District 1, Manatee Operations, City of Venice, FL. QC Technician providing quality control testing on this roadway improvement project consisting of widening US 41 from four lanes to a six-lane roadway, from Gulf Coast Boulevard to Bird Bay Drive, improving roadway drainage, installing retention ponds, constructing seven-foot bicycle lanes, and adding concrete sidewalks. The project included upgrades to lighting, signalization, and bus pads. In addition, relocate/replace water and sewer lines, milling and resurfacing, curb and gutter and landscaping for the city of Venice. FM NO. 198017-4-52-01, Construction Cost \$16.6 million.

**Construction
Inspection Support**

STEVE STYNER



Mr. Styner joined Tetra Tech in May 2023. He has held previous employment as Lead Senior Inspector as well as CEI Inspector. He has experience checking the construction of all roadway items such as underground utilities, storm sewers, grading, embankment, stabilization, inlets, manholes, box culverts, and other items related to roadwork.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Inspector

Education:

GED, Cape Coral High School, 1993

Registrations/Certifications:

Asphalt Paving – Level 2, FL, 2021
Earthwork Construction Inspection
– Level 1, FL, 2023
Earthwork Construction Inspection
– Level 2, FL, 2018
Final Estimates – Level 1, FL, 2019

Office:

Estero, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

20%

Years of Experience:

14

Years with Tetra Tech:

<1

North 1 Utility Extension Program, City of Cape Coral, FL. The City's program is for the expansion of the City's water, wastewater and irrigation systems to a 5 square mile area north of Pine Island Road. The project includes surveying, geotechnical investigations, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, and construction management. The project includes over 250 miles of potable water, wastewater collection, wastewater transmission and irrigation utility piping.

I-75 Widening South of Exit 158 to North of Exit 14, FL. CEI Inspector. Provided various inspection services for all Contractor and Subcontractors under this contract. Responsibilities included checking the construction of all roadway items such as underground utilities, storm sewers, grading, embankment, stabilization, base and surface courses, inlets, manholes, box culverts, and any other related items to road work; reports of work performed, keeping and recording quantities, and making monthly estimates of work performed; M.O.T. and monitors EEO compliance.

FDOT D1 Push Button Contract, Sarasota, FL. CEI Inspector. Provided various inspection services for all Contractor and Subcontractors under this contract. Responsibilities included checking the construction of all roadway items such as underground utilities, storm sewers, grading, embankment, stabilization, base and surface courses, inlets, manholes, box culverts, and any other related items to road work; reports of work performed, keeping and recording quantities, and making monthly estimates of work performed; M.O.T. and monitors EEO compliance.

FDOT Burnt Store Road Widening, Lee County, FL. Lead Senior Inspector. Oversaw all Contractor and Subcontractors operations under this contract. Other responsibilities included checking the construction of all roadway items such as underground utilities, storm sewers, dewatering, grading, embankment, stabilization, base and surface courses, inlets, manholes, irrigation, lighting installation, signing, striping, signalization, and any other related items to road work; reports of work performed, keeping and recording quantities, and making monthly estimates of work performed; Monitor all traffic, document and report accidents/incidents, monitor all M.O.T devices per plan.

**Construction
Inspection Support**

ROBERT MORELLO



Mr. Morello is a skilled construction inspector with over 15 years of experience managing quality control and assurance for construction inspection on various construction projects. These projects include bridges, airports, stadiums, water treatment plants, military bases, and residential and threshold inspection on vertical commercial building construction. Mr. Morello is experienced in interpreting code and quality control regulations and requirements.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Inspector

Education:

West Orange High School, Winter Garden, FL

Registrations/Certifications:

ACI Concrete Field Testing Technician Level 1, FL, Exp. 10/25

ACI Aggregate Base Testing Technician, FL, Exp. 9/24

ACI Concrete Strength Testing Technician, FL, Exp. 9/23

ACI Concrete Laboratory Testing Technician Level 1, FL, Exp. 9/23

ACI Concrete Laboratory Testing Technician Level 2, FL, Exp. 06/26

ACI Aggregate Testing Technician Level 1, FL, Exp. 08/23

ICC Reinforced Concrete Special Inspector Certificate, FL, No. 9665243

OSHA 30-Hour Certification

Office:

Estero, Florida

Percentage of Time to be Assigned Full-Time to this Project:

20%

Years of Experience:

15

Years with Tetra Tech:

1

North 1 Utility Extension Program, City of Cape Coral, FL. The City's program is for the expansion of the City's water, wastewater and irrigation systems to a 5 square mile area north of Pine Island Road. The project includes surveying, geotechnical investigations, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, and construction management. The project includes over 250 miles of potable water, wastewater collection, wastewater transmission and irrigation utility piping.

C-43 Water Storage Basin Reservoir, Labelle, FL. Located on 10,700 acres of former farmland in Hendry County, Fla., west of Labelle, the Caloosahatchee River West Basin Storage (C-43) Reservoir will hold approximately 170,000 acre-feet of water, with the maximum depth ranging from 15 feet to 25 feet across the expanse. When complete, the restoration project will provide storage needed for the estuary by capturing and storing local basin runoff as well as Lake Okeechobee regulatory releases. The project includes surveying, geotechnical investigations, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, and construction management.

Hwy 480 East Bridge Construction, Cleveland, OH. The I-480 Valley View Bridge structures sit high above the Cuyahoga River Valley, spanning 4,155 feet and carrying 180,000 vehicles a day during peak travel times. This project will replace the bridge decks of the structures, which are now over 40 years old and have reached the end of their lifespan. This project includes construction materials testing, steel construction and erection, welding operations, bolting assembly and testing, geotechnical investigation, permitting, bidding and construction management.

Macdill Airforce Base, Tampa, FL. \$8.1M project included a brief, 96-hour window for milling the 9,421-foot long runway operations, including Paving Operations with an onsite satellite asphalt laboratory for Quality Control testing and Asphalt Mix Design variations provided by the United States Army Corps of Engineers.

NASA Plumbrook Station, Sandusky, OH. \$23.8M project for space station hanger expansion and lift off station renovations. This project included an attached train railway station for an addition \$3.8M. Services included reinforced concrete placement, soils inspection and testing, asphalt inspection, and interior floor flatness inspection and testing.

The Peabody Hotel, Orlando, FL. Provided owner's representative services for the \$456M expansion and renovation of the Peabody Orlando. The project included doubling the room count to 1,641 from 891, expanding meeting space, adding restaurants, and providing over 500,000 square feet of additional convention and meeting space. With the expansion of the Peabody Hotel in hired to construct a 7-story, 2100-car parking garage using Hybrid concrete technology that provided an efficient and aesthetic construction that met the Peabody standards. Construction Services included concrete testing and inspection, soils testing and inspection, post tension testing, reinforced steel inspection and many more threshold inspection services.

**Construction
Inspection Support**

TOMMY PAYNE



Mr. Payne joined Tetra Tech in June 2023. He completed his Certificate in Fire Science from Fort Myers Technical College. He has held previous employment as Senior Construction Inspector, Permit Coordinator, and Materials Technician. He has experience creating resolutions for concerning issues about grading, dust control, drainage, accidents, and hazardous or unsafe conditions. Additionally, Mr. Payne has experience performing material sampling and required testing.

Name of Firm:

Tetra Tech, Inc.

Title:

Construction Inspector

Education:

Certificate in Fire Science/Fire-Fighting, Fort Myers Technical College, 2008

Registrations/Certifications:

ACI Concrete Field Testing Technician, FL, 2020
CTQP Asphalt Paving Level 2, FL, 2020
CTQP Earthwork Construction Inspection Level 2, FL, 2020
FDOT Maintenance of Traffic, FL, 2022
OSHA 10-Hour, FL, No. 36-006072384

Office:

Estero, Florida

Percentage of Time to be Assigned Full-Time to this Project:

20%

Years of Experience:

15

Years with Tetra Tech:

1

North 1 Utility Extension Program, City of Cape Coral, FL. Construction Inspector.

The City's program is for the expansion of the City's water, wastewater and irrigation systems to a 5 square mile area north of Pine Island Road. The project includes surveying, geotechnical investigations, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, and construction management. The project includes over 250 miles of potable water, wastewater collection, wastewater transmission and irrigation utility piping.

PAST EXPERIENCE**Florida Department of Transportation. FL.** Permit Coordinator.

CEI Continuing Services for Fort Myers Operations Center. Fort Myers, FL. Senior Inspector.

Charlotte County Airport Authority. Punta Gorda, FL. Resident Project Representative. Responsibilities included overseeing permitting and construction phase of the Runway 15-33 rehab, extension, Woodlawn relocation, and wetland mitigation to monitor, document, and communicate with EOR/PM daily. Additional responsibilities included overseeing the milling operations, earthwork, paving, and surveying. Most of the work consisted of airfield lighting and electrical retrofit. The electrical retrofit was to bring the lighting standards of airfield up to current FAA standards.

FDOT D1 C9K38 District Maintenance Areawide Support. FL. Maintenance and Permit Inspector. Responsibilities included monitoring the Contractor's on-site Maintenance or Permit activities and inspecting materials entering the work in accordance with the work documents, plans, specifications, and special provisions for the Maintenance Contract. This is done to determine that the projects are constructed in reasonable conformity with such documents. Additional responsibilities included inspecting Contractor's Work Zone Traffic Control Plan and reviewing modifications to the Work Zone Traffic Control Plan, including Alternate Work Zone Traffic Control Plan, in accordance with the Department's procedures. Maintained detailed accurate records of the Contractor's daily operations and of significant events that affect the work and liaison between contractor and contracts coordinator (FDOT) to ensure controlled work.

Florida Department of Transportation. FL. Engineering Technician. Tested materials and worked hands-on with FDOT to ensure job quality.

Collier County BCC, Collier County, FL. Landscape Inspector. Ensured maintenance completed per contract specifications and county requirements. Carried out day-to-day inspection reports.

Florida Department of Transportation. FL. Materials Specialist. Performed on-site visual inspections and completed ASIR reports verifying all necessary actions were taken by production facility. Tested all materials according to road and bridge specifications and other manuals.

Grant Management

JALEESA TATE



Ms. Tate has played pivotal roles in advancing hazard mitigation efforts at both the state and local levels. One essential aspect of hazard mitigation planning involves crafting the Mitigation Strategy, which entails identifying future grant-funded activities and projects. These initiatives are carefully designed to be actionable, and the process involves pinpointing crucial implementation details to incorporate in the grant application process.

Name of Firm:

Tetra Tech, Inc.

Title:

Senior Community Resilience Professional

Education:

BS, Geography and Geosciences;
Focus: Environmental/Land Use
Planning, Salisbury University,
Salisbury, MD, 2012

Registrations/Certifications:

Certified Floodplain Manager, No.
US-16-09169

Professional Affiliations:

Association of State Floodplain
Managers, 2016 - Present
Maryland Association of Stormwater
and Floodplain Managers, Mitigation
Co-Chair, 2016 - Present
National Emergency Management
Association, State Hazard Mitigation
Officers Subcommittee Chair, 2018-
2021
FEMA External Stakeholders
Working Group, 2021

Office:

Baltimore, Maryland

Percentage of Time to be Assigned Full-Time to this Project:

10%

Years of Experience:

11

Years with Tetra Tech:

2

Preparedness, Hazard Mitigation, Climate Resilience, and Grant Administration. Ms. Tate has served in key roles to develop hazard mitigation at the State and local levels. An element of hazard mitigation planning is developing the Mitigation Strategy which consist of identifying activities and projects for future grant funding. These actions are developed in order to be actionable, and the process includes identifying critical implementation matter to utilize during the grant application process.

City of Hollywood Comprehensive Grant Management, Hollywood, FL. Ms. Tate is assisting with the management of grants awarded to the City of Hollywood through the Resilient Florida Grant Program and Community Development Block Grant (CDBG) program. Ms. Tate is assisting with documentation and administration to ensure the implementation of the projects meets guidelines for each program and aids in the projects remaining on schedule and within budget.

Tohopekaliga (Toho) Water Authority Resilient Florida Grant, Kissimmee, FL. Ms. Tate aided in the development the Buena Ventura Lakes Water Treatment Plant Flood Mitigation Improvements grant for submittal to the Resilient Florida Grant Program. The grant was awarded, and the Toho Water Authority received \$1,529,187 to mitigate stormwater flooding onsite of a critical water treatment facility servicing 100,000 residents throughout Kissimmee, Poinciana, and unincorporated areas of Osceola County.

North Carolina Regional Resilience Project Portfolios, Durham, NC. Ms. Team served as the technical lead for four North Carolina counties to develop a vulnerability assessment, identify projects, develop project implementation plans, and conduct extensive stakeholder and community engagement. The project focused on identifying regional-scale projects to address rural, urban, and coastal resilience issues. Ms. Tate incorporated existing and emerging natural hazards, cascading impacts and consequences, and social vulnerability into the project.

State Hazard Mitigation Officer, Maryland Department of Emergency Management, Reisterstown, MD. Ms. Tate led the State of Maryland's Hazard Mitigation Program overseeing the implementation of eight HMGP awards; closing four HMGP Disasters; successfully leading the State to receive 1 of 22 competitive FY20 BRIC awards; and championed the update of the State's 2021 Hazard Mitigation Plan. She was hands-on in every aspect of the grant management cycle for Disaster and Non-Disaster awards. Ms. Tate oversaw hazard mitigation planning for the entirety of the State, providing technical assistance and guidance for local multi-jurisdictional plans and training state staff for local mitigation plan reviews. Additionally, Ms. Tate served in several capacities to lead the State in building its resilience, including establishing partnerships with the Association of Climate Change Officers, the Netherlands Water Partnership, and the Nature Conservancy.

**Maintenance of
Traffic**

LUIS NIETO, PE



Mr. Nieto has 15 years of progressive experience in transportation engineering in the design of roadway projects including resurfacing, reconstruction and large-scale design build projects. His experience ranges from a variety of roadway activities; including development of roadway alignments and profiles, typical section, and pavement design packages, design variations and exceptions, roadway plans, signing and pavement markings plans, Traffic Control Plans, and computation of construction quantities.

Name of Firm:

Tetra Tech, Inc.

Title:

Project Engineer

Education:

MCE, Civil Engineering, University of South Florida, 2015

BS, Civil Engineering, University of South Florida, 2008

Registrations/Certifications:Professional Engineer:
Florida # 77621

EIT: #1100012586, 2008

FDOT Maintenance of Traffic (MOT)

FDOT Specifications

FDOT Long Range Estimate

Professional Affiliations:American Society of Highway
Engineers**Office:**

Orlando, Florida

**Percentage of Time to be Assigned
Full-Time to this Project:**

10%

Years of Experience:

15

Years with Tetra Tech:

7

SR A1A and Freedom Street Maintenance of Traffic for Emergency Force Main Repairs, City of Hollywood, Broward County, FL. Lead Roadway Engineer responsible for the preparation and design of temporary traffic control plans for a force main emergency repair at SR A1A and Freedom Street. This project consisted of a two-phase MOT approach to maintain vehicular traffic and provide the space requirements for a work zone to do force main repairs along SR A1A.

SR A1A and Taylor Street Maintenance of Traffic for Emergency Force Main Repairs, City of Hollywood, Broward County, FL. Lead Roadway Engineer responsible for the preparation and design of temporary traffic control plans for a force main emergency repair at SR A1A and Taylor Street. This project consisted of single-phase approach to maintain vehicular traffic and provide the space requirements for a work zone to do force main repairs along SR A1A.

US 192/SR 500 Resurfacing and Safety Improvements from Hibiscus Road to the Brevard County Line, Florida Department of Transportation (FDOT) District 5, Osceola County, FL. Project Engineer. This project involves milling and resurfacing of the pavement and shoulder widening along 6.0 miles of a four-lane, divided roadway.

SR 100 from N. Palmetto Street to Old Kings Road, FDOT District 5, Flagler County, FL. Project Engineer. This project consists of milling and resurfacing of the pavement, extensions of turn lanes, adding sidewalks, drainage improvements, the addition of wrong-way driving detection on the I-95 ramps, traffic signal mast arms, intersection lighting, and other safety improvements along 4.5 miles of a six-lane, divided, rural roadway in the Cities of Bunnell and Palm Coast.

SR 46 Resurfacing from US 17/92 to Mellonville Avenue, FDOT District 5, Seminole County, FL. Project Engineer. This project consists of milling and resurfacing of the pavement, access management, median improvements, adding bicycle lanes, reconstruction of pedestrian curb ramps, drainage improvements, and other safety improvements along 1.0 miles of a five-lane, urban roadway in the City of Sanford.

SR 35/US 301 from CR 521 to SR 44, FDOT District 5, Sumter County, FL. Engineer. This project consists of milling and resurfacing of the pavement, shoulder widening, adding sidewalks, reconstruction of pedestrian curb ramps, drainage improvements, and other safety improvements along 2.9 miles of a two and four-lane, divided, rural roadway near the City of Wildwood.

SR 25/SR 500/US 27 from Morse Boulevard to SE 178th Place, FDOT District 5, Sumter and Marion Counties, FL. Project Engineer. This project consists of milling and resurfacing of the pavement, extensions of turn lanes, adding sidewalks, drainage improvements, and other safety improvements along 1.9 miles of a six-lane, divided, rural roadway near The Villages.

TAB E

Innovation is Key

APPROACH TO SCOPE OF WORK

QUALIFICATIONS AND EXPERIENCE OF THE FIRM

Tetra Tech has a range of services, capabilities, and strengths to take on the projects under this contract. We support clients through the entire project life cycle by providing consulting, preliminary engineering, final design, permitting, bidding procurement, and construction phase services. These services are offered individually or as part of our full-service approach. Tetra Tech has worked on hundreds of projects over the past 57 years under continuing services contracts. Our professionals have worked as an extension of our client's staff providing similar engineering services on an as-needed basis for more than 55 clients across the state. This repeat work demonstrates our ability to foster and preserve relationships with clients and our dedication to client service and quality of work.

CONSTRUCTION PHASE SERVICES EXPERIENCE

Since continuing engineering services contracts include multiple and varied tasks, Tetra Tech begins planning early in the project to provide the correct skilled staff and appropriate resources to complete all assigned tasks on time and within established budgets. During our review of assigned tasks, we actively integrate lessons learned from previous projects, which increases efficiency and reduces the potential of schedule delays due to unanticipated issues. Most importantly, our standard approach is to work as an extension of our client's staff, allowing Tetra Tech to develop a deeper understanding of client operations, processes and procedures, and develop customized solutions.

We understand that each client and project is different, and we are committed to developing customized solutions to meet the unique needs of the City of Hollywood. Our portfolio with the City includes several projects including studies, design, permitting, bidding, and construction administration and inspection services from wastewater collection, transmission, and treatment facilities to expansion of the City's reclaimed water system in the southwest service area and water distribution system.

CONTRACT UNDERSTANDING

A sound management plan must begin with a thorough understanding of the systems and infrastructure being improved, rehabilitated, or replaced. This Request for Statements of Qualifications for construction phase services is for the City's water, sewer, and stormwater infrastructure. Consultant services will include construction administration, grant management, resident engineering, inspection services, design, permit application, bid services, and other services necessary to implement the City's proposed \$50 million Capital Improvement Program (CIP). The CIP includes water, sewer, reuse and stormwater infrastructure projects. These services would generally include projects for the:

- Potable Water Conveyance
- Wastewater/Reclaimed/Stormwater Conveyance
- Pumping and Storage Facilities

TETRA TECH HAS OVERSEEN THE CONSTRUCTION OF VARIOUS PIPE MATERIALS, INCLUDING DIP, PVC, HDPE, AND OTHERS FOR THE CITY OF HOLLYWOOD. THESE PIPES HAVE BEEN INSTALLED UTILIZING TYPICAL OPEN CUT AND TRENCHLESS METHODOLOGIES.



PROJECT UNDERSTANDING

Tetra Tech possesses a deep and comprehensive understanding of both the Washington Park and Boulevard Heights neighborhoods and their respective projects. This in-depth knowledge empowers us to adopt a tailored, project-specific approach that is both distinctive and indispensable for the successful execution of these endeavors.

The Washington Park project is situated in an industrial area characterized by a multitude of commercial auto repair and sales establishments, along with other industrial and commercial facilities. A key challenge of this project is its necessity for nighttime construction due to the ongoing operations of these businesses during regular working hours. Preserving access to these businesses while they are operational presents a formidable task.

Consequently, minimizing the adverse impacts and disturbances to these enterprises stands as a top priority for the city. To achieve this, our construction requirements mandate that a street must be fully constructed, with the exception of the final layer of asphalt and permanent pavement markings, before the contractor can proceed to the next phase.

Tetra Tech has actively collaborated with the city to establish these requirements and is fully prepared to support the city in navigating the complexities of this project. Our expertise extends not only to infrastructure design but also to the intricacies of construction, enabling us to assist the city most effectively.

Conversely, the Boulevard Heights neighborhood is primarily residential in nature, with certain sections already connected to Lift Station A-10. Our commitment to this project centers on minimizing disruptions to residents and expeditiously advancing the infrastructure. In response, Tetra Tech has undertaken extensive regulatory coordination efforts to devise a system that facilitates connection to the existing gravity sewer systems. Given the unique challenge of unusually shallow gravity sewers and laterals in select areas, comprehensive oversight during construction becomes imperative to ensure compliance with regulatory requirements. We fully grasp the significance of this oversight and stand prepared to provide the necessary guidance to ensure the successful construction and completion of the project.

Our typical approach revolves around the following principles, rooted in our thorough understanding of the projects:

- **Project-Specific Expertise:** Tetra Tech's approach is firmly grounded in our intimate knowledge of the unique challenges and requirements of each project.
- **Regulatory Compliance:** We prioritize compliance with all relevant regulations and requirements, ensuring that our projects meet the highest standards.
- **Minimized Disruption:** In both industrial and residential settings, we are dedicated to minimizing disturbances and impacts, respecting the needs of local businesses and residents.
- **Collaboration:** We actively collaborate with our clients and stakeholders to establish and implement construction requirements that best serve the project's objectives.

In summary, Tetra Tech's approach is characterized by our deep project understanding, commitment to regulatory compliance, and a focus on minimizing disruptions while fostering collaboration. This approach underscores our dedication to the successful completion of projects in Washington Park and Boulevard Heights.



PROJECT MANAGEMENT PLAN

Tetra Tech has developed a management plan to demonstrate to the City of Hollywood that our team of experienced and qualified professionals has the organizational framework and management structure needed to effectively and efficiently coordinate staff efforts, resources, and procedures for each task assigned. Our approach is based on two key principles: responsiveness and responsibility. Our mission is to have each and every task order executed efficiently and provide the City with maximum value. Additionally, our management plan embodies sustainability, quality, safety, and a true commitment to working with the City as basic core principles for our daily operations.

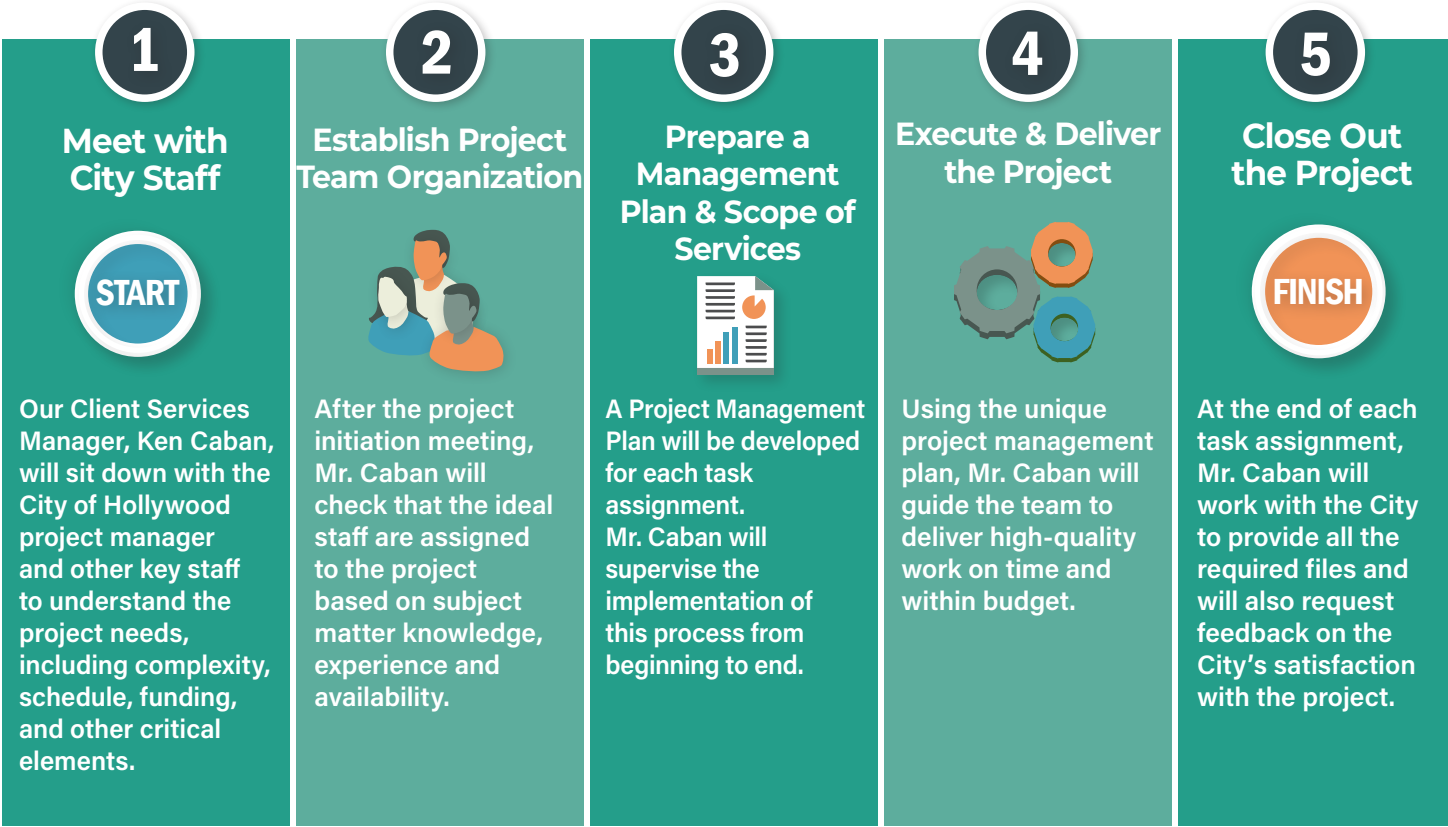
Our mission to serve the City is woven with integrity and fortitude to provide a balance of quality, time, and costs that meet the goals and objectives of each project while providing the City with strong, sustainable infrastructure.

Tetra Tech begins planning early in the project to provide the correct skilled staff and appropriate resources to complete assigned tasks on time and within established budgets so that valuable time is not lost. In addition, during our review of assigned tasks, we actively integrate lessons learned from previous projects to anticipate and remedy major problems, increase efficiency and reduce the potential of schedule delays due to unanticipated issues. Importantly, our standard approach is to work as an extension of our clients' staff, allowing Tetra Tech to develop a deeper understanding of client operations, processes, and procedures, as well developing customized solutions.

As a long-standing client of Tetra Tech, City of Hollywood projects are prioritized over, representative of the value we place on our relationship with the City. Tetra Tech is able to prioritize projects and allocate the necessary resources to the City, utilizing the tools described in the subsequent sections of this management plan. Some current projects and their project time frames are provided within this Statement of Qualifications.

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OVERVIEW OF OUR PROCESS FOR MANAGING EACH PROJECT FROM START TO FINISH



1 Meet with City Staff

A project initiation meeting will be held at the beginning of the project to establish project team organization and lines of communication. The project scope, schedule, and budget will be discussed, specifically the initial and critical path tasks, in order to set in motion the initiation of these tasks.

Discussions at this meeting will assist Mr. Caban and the designated Project Manager in establishing the right project team for the job and developing the Project Management Plan (PMP).

2 Establish Project Team Organization

Proven Team Leadership

Tetra Tech understands the unique nature of construction phase services and the necessity to provide timely responses. Our team has a dedicated local management team and the resources to deliver this contract.

Mr. Caban will serve as the Project / Client Services Manager to the City. Mr. Caban is a Vice President with almost three decades of experience successfully serving clients. He is in charge of Tetra Tech's Southeast Florida offices, with the ability to execute contracts locally, dedicate resources, bring in national level subject matter experts and create project budgets locally.

Tetra Tech empowers our Vice Presidents and Regional Managers with making local decisions because we understand that every client is different and therefore we need to be able to have the autonomy to adjust budgets, resources, and contracts accordingly. Mr. Caban will oversee that the City's needs are met and our team has the resources it needs.

Mr. Caban will be aided in project implementation with the construction manager, Robert Harris. Mr. Harris and Mr. Caban will serve the City with excellent communication and successful project delivery. They will ensure that the project is completed successfully.

Subconsultant Integration

Tetra Tech will identify subconsultants, if required as projects are assigned. Tetra Tech has the resources and the technical expertise to complete all of the projects identified in the RFQ.

Bringing our Best People to Each Project

Tetra Tech has a unique understanding of many of the projects identified in the RFQ because we have already completed the design and permitting, or provided grant management assistance for them.

Our project manager, construction manager and engineer of record will work together as a cohesive project team. Our organization chart is organized to reflect the range of services we can provide and the designated staff for each service. The majority of the designated project staff are local and readily available to the City.



The City will benefit from national level expertise and local staff that are subject matter experts. The next criteria for selecting the Team is experience. The ideal team has experience delivering this type of project, experience working together as a team, experience with the client, and the client's systems.

Successful programs are the result of a combination of strategic planning, quality work, and effective communication. Our team is staffed with numerous qualified professionals with extensive expertise and experience in all of the areas required for this contract.

As the team is formed, we ensure the availability of the staff to the City using our Labor Projection Worksheet Tool (discussed below).

3 Prepare Project Management Plan (PMP)

A Project Management Plan (PMP) will be developed for each task assignment. Included in this effort is the development and maintenance of a project schedule and related cash flow projections; the preparation of monthly status reports; and coordination with other City capital projects, as appropriate. Typically, an electronic and hard copy version of the plan will be

submitted to the City at the beginning of the project and updated versions will be submitted as requested. Our standard Project Management Plan includes the following information:

- Basic Project Information
- Project Summary
- Identification of "Hot Button" Issues
- Project Team
- Contract Information
- Milestone Schedule Key Elements of the Project Deliverable
- Quality Control/Quality Assurance Plan
- Communication Plan
- Project Standards
- Final Drawing List
- Health and Safety Plan (HASP)
- Project Financial Plan

The City can be confident that Tetra Tech will manage and administer this project with proven project control tools and techniques, high-quality assurance, collaboration, flexibility, and excellence. Our Tetra Linx E-business suite and online project management portal provide up-to-the-minute project management data regarding hours, expenses, and

Tetra Tech has assisted the City of Hollywood with construction administration of multiple projects



subcontractor fees. We have a proven track record of on-time, in-budget project delivery. We will provide project management services for administration of the project and submit monthly invoices acceptable to the City.

Communication Management

A major component of the Project Management Plan will be a Communications Plan, which will support responsive and thorough attention to detail and project progress. This will include a project team and an authority/assignment matrix. The Communications Plan will also include standards for written and verbal documentation of meetings, telephone calls, e-mail, as well as technology standards for this project.

Our management approach was specifically developed to provide proper communication and coordination among team members and City staff. Communication within our team will be led from the top down, repeated from the bottom up and structured to provide a full circle of communication internally and externally.

Mr. Caban is committed to providing the highest level of service to the City and responding immediately to any needs that may arise under this contract, as he has done for several years already.

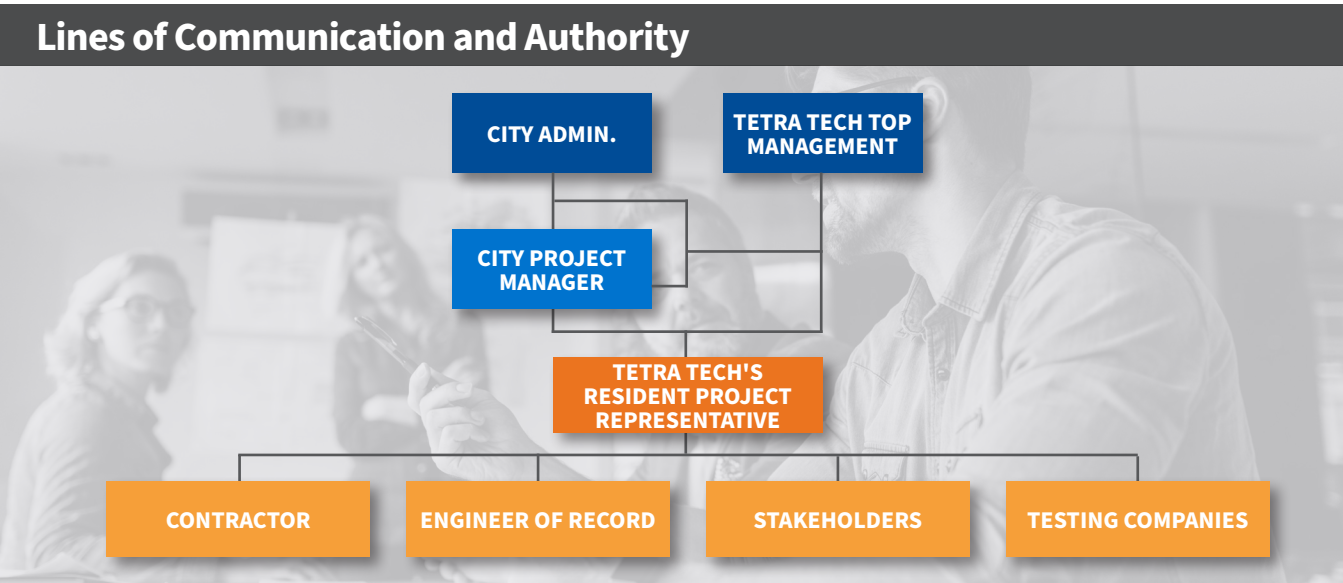
Construction Administration and Inspection Team Coordination

Strict and streamlined procedures for internal coordination between the contractor, the City, and the construction management staff reduces confusion, maximizes deliverable quality, and minimizes potential cost increases and lost time over the length of the project.

Tetra Tech is focused on coordination, and as such, will perform our duties as an integrated team with integrated services.

For each project there will be an internal kickoff meeting with the entire team led by the Project Manager and include the contractor, its sub-contractors, and City staff. Before the project starts, a project management plan (PMP) specific to the project will be distributed to the team and the appropriate City personnel, clearly defining the scope, schedule, budget, and all individual milestones.

The PMP provides the controls structure for product delivery to ensure seamless coordination between the team.



Once the project has started, meetings are set up to address any construction issues. During the construction phase, a schedule is set up to monitor progress and deadlines.

Effective Communication with the City and Stakeholders

Communication with the City, the contractor, as well as internally within the Tetra Tech team, will be led by the project or construction manager. They will be the primary point of contact for City with regards to the coordination and delivery of the various projects, as well as the lead contact internally within our team.

Construction Progress Meetings. Meetings will be held at least monthly and “on-call” by the City. Tetra Tech will prepare meeting minutes for all meetings with the City. Our goal is to provide draft copies of the minutes to the City within three business days of the meeting. We will then prepare final meeting minutes within three business days of receiving comments and suggested edits. A pre-construction meeting and regular project meetings will take place during the duration of the project.



4 Execute & Deliver the Project

Our goal is to deliver successful, completed projects, which exceed our clients' expectations and fulfill the project objectives, and our team has consistently demonstrated an ability to meet our clients' expectations, which requires project management as well as technical expertise. As professionals serving many repeat clients, the ability to complete quality work within a timely fashion has long been an ingredient in building our strong reputation in the industry. Our management approach is to assign weekly scheduling and budget management to the designated Project Manager, with oversight and management from Mr. Caban, who is ultimately responsible for the schedule and budget. The designated Project Manager will have the day-to-day, week-to-week primary responsibility of monitoring scope, schedule and budget of each assignment.

Proven Approach to Project Solutions

Tetra Tech always strives to provide excellent service and the most qualified professionals to perform the required work. At Tetra Tech we pride ourselves in on-time and on-budget delivery of projects. Our proven record of project excellence have provided our clients with products that eliminate or reduce to the minimum the amount of design and construction problems. However, should a problem arise, we will perform a thorough evaluation of the existing project information including drawings, technical specifications, utility, geotechnical and environmental evaluations, as well as any other pertinent reports. This will help us determine the causes of the problem as well as if additional information is required to expeditiously resolve it. Any information needed, will be collected immediately. With the all the information on hand, the project team will have an internal meeting to establish the fastest and most cost efficient solution. A meeting will then be scheduled with the City where the solutions will be presented including execution time and implementation cost. Once a solution is selected, the team will proceed to immediate implementation. Throughout this process, we will always maintain constant communication with the City using tools such as cell phones, phones, e-mails, Microsoft Teams, project websites, SharePoint, and of course face to face meetings.

Controls to Manage Schedule and Budget


Due to Tetra Tech's vast experience with construction administration and construction inspection contracts, Tetra Tech has learned how to successfully manage projects and is experienced in the scheduling requirements, coordination and organization required to maintain the schedule. As previously discussed, Tetra Tech will prepare a Project Management Plan that contains a description of the project, identifies milestones, lists various tasks, and presents a schedule and a detailed work plan for the elements of each task with project team members responsible for that task. This plan serves as a baseline for measuring the progress of the project team versus the schedule. The Project Management Plan closely coordinates the schedule and the budget so that as the project progresses, the project manager can monitor the billings versus the anticipated budget. The plan is enhanced by our computer-based accounting system which is tied directly to employee time sheets and billing information and is kept up to date on a weekly basis.

Additional schedule and budget controls are outlined on the following three pages.




Schedule Controls


Due to Tetra Tech’s vast experience with administration of construction projects, Tetra Tech knows how to successfully manage construction projects and is experienced in the scheduling requirements, coordination, and organization required to maintain the schedule. Schedules often have overlapping tasks, which utilize various personnel and require experience in coordinating subconsultants, if used, so that multiple critical paths are preserved. Below are some of the controls Tetra Tech uses to management schedule:



Computer-Based Project Management




Our ability to meet the project schedule is enhanced by our computer based project management systems. Tetra Tech currently utilizes **Microsoft Project** for preparation of detailed project schedules. This software program tracks progress for the established schedule, delineates deliverables, logs project milestones, and visibly reflects the relationship of various tasks. Depending on the project complexity, more advanced schedules can be prepared in **Primavera P6** (reference image ❶ below). Schedules can also be resource loaded to ensure resource balancing and integrated with our Labor Projection Worksheet tool. **30-Day Look Ahead Schedules** can be provided with monthly reports. **Cost curves** (reference image ❸ below) can be developed as the project progresses to show earned value versus budget as the schedule progresses.



Open Communication

Tetra Tech believes in open communication during all phases of every construction project. By dedicating time in the schedule to meet with the City and the contractor to fully understand critical path items.



Close Coordination During Construction

During the construction phase, Tetra Tech's project managers and construction managers will identify key items that may affect the schedule, such as critical shop drawings for long lead items. Where such long lead items exist, Tetra Tech will encourage the contractor(s) to submit those critical shop drawings as soon as possible, while Tetra Tech will dedicate and commit the time to returning those shop drawings as soon as possible in advance of the allotted time for contract review. Our field inspectors will also continually review work progress and inform the project manager when progress is slipping, either for the entire project, or for individual project components.

Proven Results



SUCCESS STORY #1

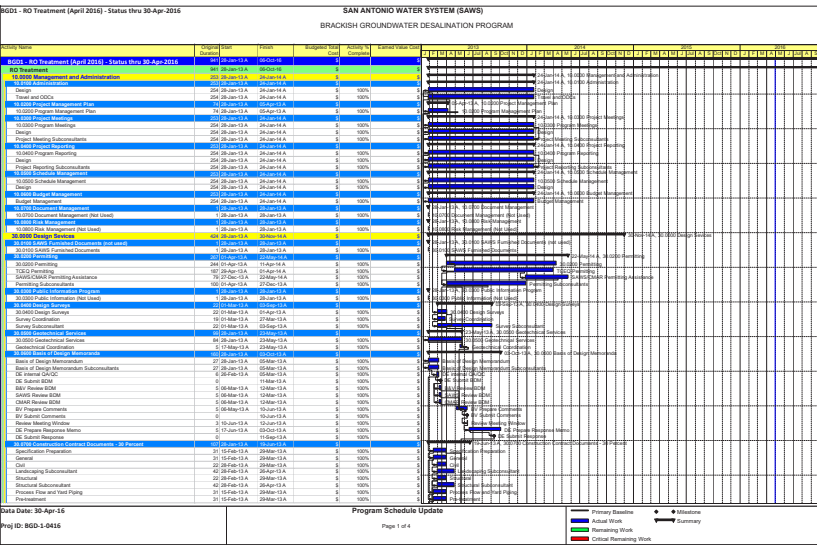
East Las Olas Blvd. Force Main Project, City of Ft. Lauderdale:

Tetra Tech expedited the design of this force main located within an FDOT ROW in order to replace existing infrastructure that was in disrepair and creating a regulatory enforcement action.

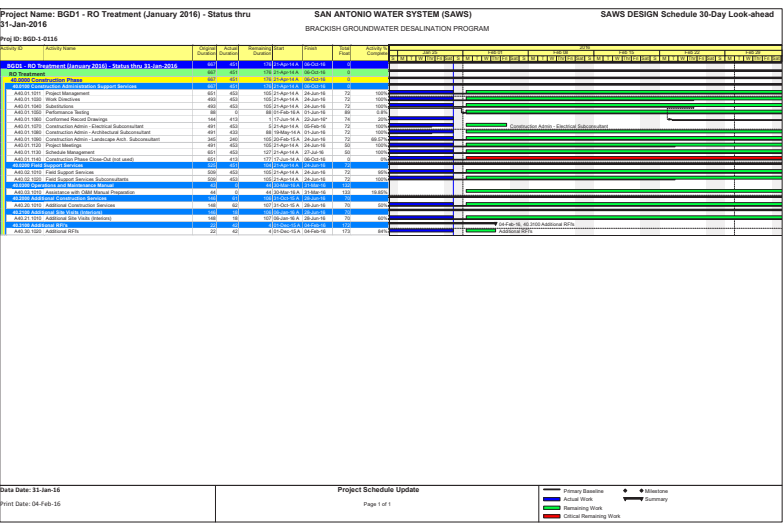
The existing force main had sections that were repaired or replaced previously and had failed several times sending wastewater to surface water. The timing for design, permitting and construction of the new force main was critical and expedited very effectively by Tetra Tech, to the satisfaction of the City and the regulatory agencies.

During construction, the City asked Tetra Tech to redesign the project to meet regulatory deadlines. We redesigned it during construction under exceptional time constraints.

❶ Primavera P6 Schedule

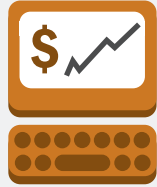


❷ 30-Day Look Ahead Schedule



Engineering Cost Controls

Tetra Tech's PMP also includes the overall budget, the budget for each task, and anticipated billings. The PMP closely coordinates the schedule and the budget so that as the project progresses, the project manager can easily monitor the billings versus the budget. Below are some of the controls Tetra Tech uses to manage engineering costs:



Computer-Based Accounting System

 The Project Management Plan is enhanced by our computer-based Oracle accounting system, **TetraLinx**. The TetraLinx system is tied directly to employee time sheets and billing information and is kept up to date on a weekly basis. This electronic system reduces delays in getting the project manager budget information. Timesheets are entered every Friday and on Monday morning the Project Manager receives an automated **Project Summary Report** in their email showing a snapshot of the budget used since the last invoice and the remaining budget. Tetra Tech also uses a **Portfolio Review Workbook** (reference image ❶ on the right), allowing the Project Manager to have a dashboard of all project performance metrics.



Cost Price Model

Cost control begins with establishing a realistic budget. Tetra Tech has experienced Project Managers and Lead Design Engineers as well as a vast catalog of similar projects to use as a basis of estimating project budgets. Lead Design Engineers create the staffing plan and estimate hours per project milestone or deliverable. The Project Manager then uses our custom pricing tool called the **Cost Price Model** (reference image ③ on the right) to create the overall pricing plan with all direct and indirect costs, employee billing rates, overhead rates, and multipliers. The Cost Price Model generates the Project Labor Plan and Pricing Plan. This tool follows the project from inception to close out and is updated quarterly for project reviews.



Proactive Communication

Controlling costs also requires proactive coordination to get it right the first time and avoid costly redesigns. Engaging the design team with Fayette County and proactively coordinating progress, focusing on interdisciplinary coordination, communicating questions, and using experienced staff helps cost control.




Project Manager Portal

Tetra Tech has developed custom Project Management Tools to help control costs from the big picture level to the granular level per hour billed. Each Project Manager has a **PM Portal** (reference image ② on the right) with a dashboard that shows a quick snapshot of all project performance. Custom reports can be generated ranging from Work Breakdown Structures, Staff Billing report, Weekly Project Transaction Reports and Accounts Receivable reports.



Quarterly Project Reviews



Cost control relies on actively monitoring and assessing projects. Tetra Tech requires quarterly reviews of all projects by management called Operations Managers. Projects over \$100,000 budgets get more in-depth reviews and go thru the Project Evaluation & Estimate at Completion (PEEAC) review process. Project Managers update the project Cost Price Model by meeting with the Lead Design Engineer from each discipline and updating their estimates to complete the project versus the schedule and deliverable requirements. The estimate to complete is compared to the remaining budget and corrective actions are implemented if the project is projecting over budget. The project is also evaluated for risks, health and safety, schedule delays, and subcontractor performance issues.



Utilize Technical Oversight

Our team's vast national resources enable us to provide expert technical development and review of the project, and also allows independent oversight. Checking quality at intermediate stages will help avoid time-consuming changes later in the final design.

1 Portfolio Review Workbook


[illegible]

2 PM Portal


TETRA TECH

Project Management


[Home](#)
[PM Portal](#)
[CSR](#)
[Project Summary](#)
[PM Dashboard](#)
[Utilization](#)
[Search](#)
[Alerts](#)
[My Sharepoint Sites](#)
[Discussions](#)




PM Portal




CSR



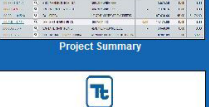
Project Summary



PM Dashboard



Utilization



Search

3 Cost Price Model

[illegible]

Proven Results



SUCCESS STORY #2

**Hollywood Blvd. JPA
WM Project, City of
Hollywood:**

Tetra Tech was able to modify their final design plans and expedite design and permitting of an initially unanticipated crossing of the Florida East Coast (FEC) Railroad which was originally to be included in an adjacent project. This project was scheduled to be bid by FDOT and the timing for securing the permitting was critical in order to meet the bid date. Tetra Tech performed additional coordination with FEC in advance of permitting and was able to secure the FEC permit to meet the FDOT letting date because of the advanced coordination and not receiving any comments from FEC on the permit submittal.

During construction, the contractor was unable to complete the horizontal directional drill under the FEC railroad, and Tetra Tech assisted to find a new contractor, relocate the proposed drill, and assist with removal of the pipe from the failed drill location.

Construction Cost Controls

Below are some of the controls Tetra Tech uses to manage construction costs:



Quality Documents

A major factor of Tetra Tech's excellent performance record is the ability to provide thorough and complete documents with which to estimate and control construction costs. One of the lessons learned in the firm's years of experience is that good planning and good quality deliverables are the best insurance for successful completion of a construction project. Because we pay close attention to each detail and make sure that all aspects of the project are covered in the design or plan development, our clients are assured that when projects are released for construction, budgets will be maintained.



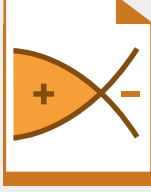
Opinion of Probable Construction Cost (OPCC)

During the preliminary and design phases, Tetra Tech will develop an itemized list of quantities using a bid form template. We will then use recent bid data, coupled with escalators to project bids to current date, and anticipated material cost increases based on manufacturer discussions. These OPCCs will begin during the preliminary design phases and as the design progresses and quantities are refined, the estimates will be indicative of the estimated costs.



Cost Estimating Software

In addition to our own internal bid tabs, Tetra Tech also uses **RS Means** and **CostWorks** software for project construction cost estimating.



Value Engineering

If requested by the City, value engineering (VE) can be used to evaluate ways to reduce the construction cost while still meeting the intent of the design. Using a VE approach allows the team to arrive at the best possible operational system for any project. The VE team members performing the review, all have construction experience directly related to the needs of the City. The VE team further consists of members that have years of general contracting and construction management experience.

Proven Results



SUCCESS STORY #3

Harbor Islands:

Tetra Tech was contracted to assist the City of Hollywood with the design, permitting, post-design, and inspection services for an emergency 16-inch force main replacement that had failed in the Harbor Islands neighborhood. Tetra Tech was able to obtain all the required permits in an expedited manner, allowing the City and the contractor to successfully complete the construction and eliminate the health concerns created by the failed force main and temporary repair. Tetra Tech also oversaw the construction and worked closely with the City and the contractor to ensure that the construction met regulatory requirements and City standards. The new force main is now in successful operation.

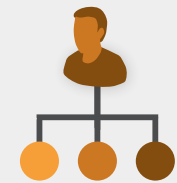
Risk Management

Below are some of the controls Tetra Tech uses to manage risks:



Requirements Gathering

Our ability to meet the project schedule At project inception, the Project Manager will meet with the City Project Manager and begin to develop the scope outline, understand project objectives and agree on deliverables. Fully understanding the project requirements and capturing them is the best way to control the scope as the project progresses.



Experienced Project Teams

Involving experienced project team members in the scope preparation and project execution brings lessons learned from past projects to benefit the City to help define the project scope and ensure the level of effort is fully understood up front. The experience also pays off as the project progresses because the team is efficient at delivering the scope and knowledgeable about what is expected. If the team members get bogged down at any point or begin to stray from the intent of the scope, they can recognize it early and course correct.



Defined Scope of Work

The Project Manager will present a clearly defined scope to the City. Each task and deliverable will be identified and matched up to the task level budget so the City can review and refine the level of effort per task until everyone is on the same page.



Scope Reviews

At project milestones and during quarterly project reviews, the scope will be reviewed by management with the Project Manager to ensure the City requirements are met. Any necessary course corrections can be made to control scope creep.

Equipment, Software, Tools, and Technology for this Contract

Tetra Tech is committed to maintaining and updating its computers, equipment, software, and library to provide the most up-to-date resources. This approach not only supports our staff in completing high-quality work on time, but also adds value to every project we undertake.

Tetra Tech maintains updated computer equipment and software as needed by various departments within the organization. Our suite of programs includes resources for utility rate structure analysis, financial analysis, asset evaluation, and capital planning. Our GIS department has the necessary hardware and software to generate billing determinants and evaluate customer characteristics.

Throughout this section we have discussed tools and technologies used in project management. Below we will discuss additional equipment, software, tools, and technology for this demand services contract.



5 Close Out the Project

Final closeout for a project involves procedural issues and phase-out administrative procedures, transfer of responsibilities, financial closeout activities, and preparation of appropriate documentation. The purpose of a project closeout effort is to ensure a timely, orderly, and cost-effective project termination. If the closeout is complex and may take substantial time, a closeout plan should be issued prior to full project demobilization.

To provide an orderly closeout of a project, the Project Manager should, once all costs are incurred against the project with invoices and contracts are closed—prepare a project closeout report. The following items should be addressed in the closeout report:

- Technical, scope, cost, and schedule baseline accomplishments
- Financial closeout, including a final cost report with details as required
- Closeout approvals
- Permits, licenses, and/or environmental documentation
- Construction substantial and final completion verification
- Contract closeout status
- Adjustments to obligations and costs
- Photographic documentation
- Baseline change control log
- As-builts and record drawing production

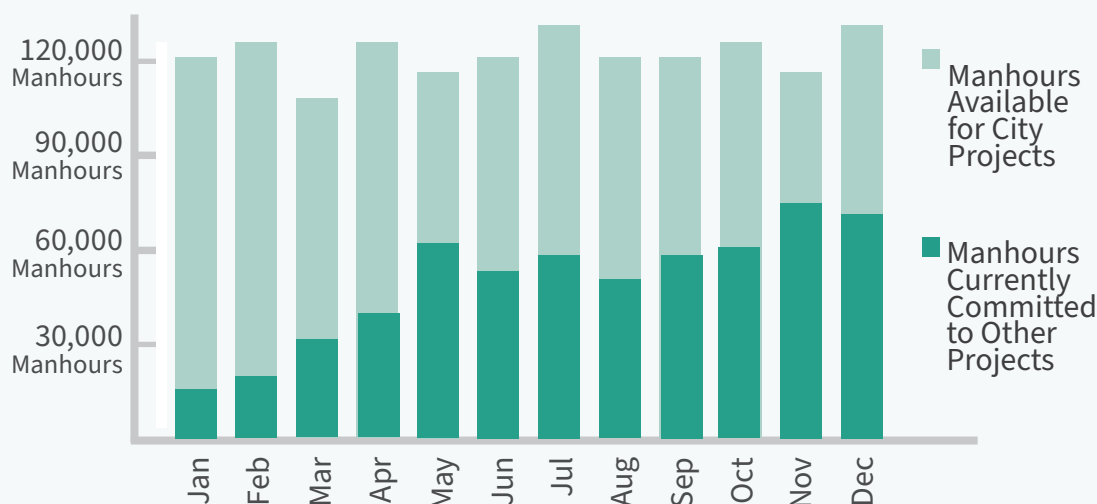
Current & Projected Workload

The Tetra Tech team is available and fully committed to providing general engineering services to the City of Hollywood. The staff assigned to the project in the organization chart have immediate availability to implement projects upon receipt of a Notice to Proceed. Our team's resources are deep enough to successfully tackle all of the City's needs. If additional staff beyond those team members identified within this SOQ is necessary, our team has the resources available to commit additional team members. We have approximately 27,000 employees located in more than 550 offices worldwide.

We have all the resources and staff necessary to quickly execute the work assignments and complete the project correctly. This is one of the advantages of a large firm that has specialized in serving municipalities of the size and resources of a community like Hollywood. We bring large firm capabilities and people with an understanding of local municipal needs. We also have experience working with local subconsultants and will coordinate with them in their local offices.

The figure below includes a summary of our current projects over the next year to demonstrate the availability of our team for this contract. Commitment of resources is the most critical factor in completing a project in a timely manner, and our workload projections indicate that there will be an abundance of resources available to execute the City's projects.

▼ Figure 1.1: Tetra Tech's Summary of Current Projects and Project Timeframes over the Next Year (Florida resources only)



Our Project Manager, Ken Caban, is a Vice President with Tetra Tech and has the ability to assign the resources necessary to meet the City's needs, as he has done over the last 13 years. Our ability to virtually utilize staff to meet project demands has been proven.

We have completed small projects and large projects for the City of Hollywood and been able to successfully scale the project team, depending on the requirements of the City.

Our team working for the City of Hollywood includes engineers of various disciplines, drafting technicians, grant managers, construction professionals, and others. We currently have ten active projects with the City of Hollywood and our ability to complete assignments simultaneously is without question.

Project Initiation

Tetra Tech will work with the City of Hollywood to establish the framework and goals for the assets management plan (AMP) specific to the City of Hollywood's needs for the infrastructure projects. We will host meetings and planning sessions to establish the following:

- Develop an organization chart of staff involved and stakeholders
- Begin engagement of employees, management, and/or the public in the planning and decision-making to develop a culture that includes a shared, common purpose
- Schedule meetings with staff and stakeholders
- Determine Level of Service (LOS) expectations and Key Performance Indicators (KPIs) (This effort will include meetings with the following key stakeholders: City staff; City officials; and major residential, commercial, and institutional users)

Summary

Tetra Tech is a full-service engineering with proven experience and recognized excellence in construction management and inspections, water, wastewater, reuse, and stormwater utilities. We understand the City's needs because of our successful work with the City on multiple projects on the Water Main Replacement Program.

Tetra Tech's established Project Management Plan ensure compliance with project and stakeholder goals, through continuous meeting and coordination with the City and various stakeholders throughout the projects' durations.

We have a proven leadership team and offer the best people for each project. Tetra Tech utilizes tools and developed programs to manage projects and staff. Some of the tools we have developed are used by others in the industry.

Ultimately, project goals are developed and adhered to provide effective, efficient, safe, and reliable utilities and Tetra Tech is a proven leader in this respect.



Typical Project Tasks and Schedule

Our team understands the complexity and importance of Multi-Year Capital projects, the necessary timing to design, permit and construct the various projects, and the significance of effectively maintaining project schedules and costs. The piping included in the CIP project listings include rehabilitation and new water and wastewater piping. Considerations which should be reviewed and addressed to include:

- Health and safety programs during all phases of the projects,
- minimizing utility conflicts,
- conflict avoidance and relocation potential,
- dewatering and areas of contamination requiring more costly dewatering and disposal,
- jurisdictional ROW use permitting requirements and permitting timelines,
- land and easement acquisitions and encroachments with associated costs and timelines,
- canal and subaqueous crossings,
- major intersections and railway crossings,
- environmentally sensitive or wetland areas and required permitting,
- trenchless methods of construction and piping considerations for the various methods of construction,
- vehicular and pedestrian maintenance of traffic,
- public involvement and minimizing disruptions to businesses and residents with in the project limits,
- reconstruction and restoration efforts and costs,
- value engineering,
- maintaining project timelines,
- project startup and operation.

Tetra Tech will have a scope preparation meeting and discussions with the City to identify the project goals, objectives and special constraints.

Emphasis will be placed on ensuring that all efforts required to meet the City's needs and standards are identified. The draft scope, schedule and budget will be submitted to the City for review and feedback. We would then meet with City staff to finalize these documents to the City's satisfaction.

Because the pipelines and other infrastructure included in these projects span many miles and areas, many stakeholders. Early coordination with stakeholders has proven to be invaluable.

Understanding stakeholder projects and how they will impact City projects is critical. Highway and roadway expansion, roadway resurfacing, and other utility projects can severely impact the scope of work on the infrastructure projects and will have implications to costs and schedules, which should be understood prior to construction. Relationships are established early on with the stakeholders to get project "buy-in".

Additional considerations that impact construction of the project, but that should be made during planning and design include:

- Constructability analysis
- Piping layout and staging areas
- Work areas
- Maintaining access to residents and businesses
- Evaluating high risk areas such as work near high pressure gas mains or electrical ducts
- Communication duct banks or other utilities of major significance that would require additional protection
- Support or further separation distances to be provided to minimize impacts during construction efforts, such as pipelines along exfiltration trenches

Constructability

Another consideration in large pipeline projects is constructability, including accommodating contractor storage and lay down areas as well as excavations and shafts that would be necessary for trenchless installation of pipes. It can have an important impact on cost and can result in the need to secure Temporary Construction Easements.

Our Team has specific expertise in right-of-way acquisition and Temporary Construction Easements.

Temporary Construction Easements are often required for pipeline projects to give the Contractor additional working room during the installation process. It is important that all conditions negotiated with the property owner are properly conveyed to the Contractor during the bidding so they can be accurately accounted for in the bid price.

Bid and Award Phase

During this phase, Tetra Tech will attend the pre-bid meeting and will coordinate with the Engineer of Record, placing great importance on responding to Contractors' questions adequately and thoroughly through Addenda. It is our opinion that Contractors will more accurately bid the project if they have a thorough understanding of the plans and specifications and have any initial questions addressed.

Construction Phase Administration/Management

The best design can become an unsuccessful project if the construction effort is not carefully controlled. The Tetra Tech team will utilize the same individuals for review of contractor submittals (shop drawings, schedules, phasing plans, etc.) as performed the design. This maximizes compliance with the design intent and minimizes review time. Upon award by the City of the construction contract, Tetra Tech will provide construction administration phase services.

These services will typically include the following tasks and activities:

- Attend a pre-construction conference.
- Process, review, and distribute shop drawings and samples.

- Respond to contractor Requests for Information (RFIs). Interpret the Contract Documents.
- Review and comment on the contractor's construction schedule.
- Report whenever it is believed that any work is unsatisfactory, faulty or defective or does not conform to the Contract Documents, has been damaged, or does not meet the requirements of any test or approval required, and advise the City of work that should be corrected or rejected or should be uncovered for observation, or requires special testing, review or approval. Properly document any deficiencies.
- Resolve differing site/field conditions.
- Maintain orderly files for correspondence, reports of job conferences, Shop Drawings and samples, reproductions of original Contract Documents including all Work Directive Changes, Addenda, Change Orders, Field Orders or Directives, additional Drawings issued subsequent to the execution of the Contract, RFIs and interpretations of the Contract Documents, Progress reports, and other Project related documents.
- Record names, addresses, and telephone numbers of all contractors, subcontractors, and major suppliers of materials and equipment.
- Conduct and administer monthly on-site progress meetings and keep and distribute minutes.
- Review contractor proposals and change order requests.
- Review contractor pay requests.
- Respond in a timely manner to all RFIs with supplemental drawings, specifications, etc.
- Assist the City with responding to resident complaints and maintain records of such.
- Provide substantial and final completion site visits, develop punchlists and make recommendations to the City regarding acceptance.
- Provide startup assistance.
- Review Operation & Maintenance (O&M) manuals.
- Tetra Tech can also provide O&M training, if required.

- Evaluate testing results and make recommendations to the City.
- Verify that test, equipment and systems startups and operating and maintenance training are conducted in the presence of the appropriate personnel and that contractor maintains adequate records thereof; and observe, record and report appropriate details relative to the test procedures and startups.
- Review the contractor's as-builts and prepare Record Drawings.
- Prepare and submit certifications to the permitting agencies.
- Assist the City as required to close out the construction contract.

Construction Observation

Tetra Tech provides daily observation of the construction to ensure conformance with the requirements and intent of the contract documents.

Tetra Tech's Construction Manager is qualified to observe and report construction activities associated with the project. The duties, responsibilities, and limitations of authority associated with the Construction Manager are detailed below:

- Observe the progress and quality of the work.
- Provide further protection for the City of Hollywood against defects and deficiencies in the work. However, the Construction Manager will not supervise, direct, or have control over the contractor's work nor have authority over or responsibility for the means, methods, techniques, sequences, or procedures selected or used by contractor, for security or safety at the site, for safety precautions and programs incident to the contractor's work in progress, for any failure of contractor to comply with Laws and Regulations applicable to contractor's performing and furnishing the work, or responsibility for contractor's failure to furnish and perform the Work in accordance with the Contract Documents.
- Review the progress schedule, schedule of Shop Drawing and Sample submittals, and schedule of values prepared by contractor and consult with the Engineer of Record concerning acceptability.
- Attend meetings with contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and prepare and circulate copies of minutes thereof.
- Serve as the Engineer of Record's liaison with contractor, working principally through Contractor's superintendent, assist in providing information regarding the intent of the Contract Documents.
- Assist the Engineer of Record in serving as the City's liaison with contractor when contractor's operations affect the City of Hollywood's on-site operations.
- Assist in obtaining additional details or information from the City, when required for proper execution of the work.
- Report to the Engineer of Record when clarifications and interpretations of the Contract Documents are needed and transmit to contractor clarifications and interpretations as issued by the Engineer of Record.
- Record date of receipt of Samples and approved Shop Drawings, receive Samples which are furnished at the Site by the contractor and notify the Engineer of Record of availability of Samples for examination.
- Advise the Engineer of Record and contractor of the commencement of any portion of the work requiring a Shop Drawing or Sample submittal for which RPR believes that the submittal has not been approved by Engineer.
- Consider and evaluate the contractor's suggestions for modifications in Drawings or Specifications and report such suggestions, together with his recommendations, to the Engineer of Record. Once a decision is made, transmit to the contractor in writing decisions as issued by Engineer.
- Review work and reject it if found defective.
- Conduct on-Site observations of contractor's work in progress to assist Engineer of Record and City in determining if the work is in general proceeding in accordance with the Contract Documents.
- Report to the Engineer of Record whenever any

part of the contractor's work in progress will not produce a completed Project that conforms generally to the Contract Documents or will imperil the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise the Engineer of Record that part of work in progress should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.

- Observe, record, and report to the Engineer of Record and City the appropriate details relative to the test procedures and systems start-ups.
- Accompany visiting inspectors representing public or other agencies having jurisdiction over the Project, record the results of these inspections, and report to the Engineer of Record.
- Consult with Engineer of Record and the City in advance of scheduled major inspections, tests, and systems startups of important phases of the Work.
- Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate Owner's personnel, and that contractor maintains adequate records thereof.
- Maintain at the Site orderly files for correspondence, reports of job conferences, reproductions of original Contract Documents including all Change Orders, Field Orders, Work Change Directives, Addenda, additional Drawings issued subsequent to the execution of the Contract, Engineer's clarifications and interpretations of the Contract Documents, progress reports, Shop Drawing and Sample submittals received from and delivered to Contractor, and other Project-related documents.
- Prepare a daily report or keep a diary or log book, recording contractor's hours on the site, weather conditions, data relative to questions of Change Orders, Field Orders, Work Change Directives, or changed conditions, Site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Engineer.
- Record names, addresses, fax numbers, e-mail addresses, web site locations, and telephone numbers of all contractors, subcontractors, and major suppliers of materials and equipment.
- Maintain records for use in preparing Project documentation.
- Upon completion of the work, furnish original set of all project documentation to Engineer of Record and the City.
- Furnish to Engineer of Record periodic reports as required of progress of the work and of contractor's compliance with the progress schedule and schedule of Shop Drawing and Sample submittals.
- Draft and recommend to Engineer of Record and the City proposed Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.
- Furnish to Engineer of Record and the City copies of all inspection, test, and system start-up reports.
- Immediately notify Engineer of Record and the City of the occurrence of any Site accidents, emergencies, acts of God endangering the Work, damage to property by fire or other causes, or the discovery of any Constituent of Concern.
- Review Applications for Payment with contractor for compliance with the established procedure for their submission and forward with recommendations to the Engineer of Record and the City, noting the relationship of the payment requested to the schedule of values, work completed, and materials/equipment delivered at the site but not incorporated in the work.
- During the course of the work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Specifications to be assembled and furnished by contractor are applicable to the items installed and in accordance with the Contract Documents, and have these documents delivered to Engineer for review and forwarding to Owner prior to payment for that part of the work.

- Participate in a Substantial Completion (pre-final) inspection and assist in the determination of Substantial Completion and the preparation of lists of items to be completed or corrected.
- Observe Contractor-arranged inspections required by Laws and Regulations applicable to the Work, including but not limited to those performed by public agencies having jurisdiction over the Work.
- Participate in a final inspection in the company of Engineer, of Record, the City, and contractor and prepare a final list of items to be completed and deficiencies to be remedied.
- Observe whether all items on the final list have been completed or corrected and make recommendations to Engineer concerning acceptance and issuance of the Notice of Acceptability of the work.

Construction Manager shall not:

- Authorize any deviation from the Contract Documents or substitution of materials or equipment (including “or-equal” items).
- Exceed limitations of Engineer’s authority as set forth in the Agreement or the Contract Documents.
- Undertake any of the responsibilities of contractor, subcontractors, suppliers, or Contractor’s superintendent.
- Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of Contractor’s work unless such advice or directions are specifically required by the Contract Documents.
- Advise on, issue directions regarding, or assume control over safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.
- Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
- Accept Shop Drawing or Sample submittals from anyone other than contractor.
- Authorize Owner to occupy the Project in whole or in part.

Start Up, Testing, and Preliminary Operations

Our approach to start-up is to make sure that your staff has been properly trained by the individual equipment manufacturer’s representatives on the operational components and maintenance. It is recommended that City operations staff be involved as observers during start-up testing. This is another opportunity for the staff to become familiar with the equipment as it undergoes testing and start-up procedures.

We will check that the Contractor provides video recordings of all training sessions for future reference and future training of new personnel. As the design team, we fully understand the facility systems and operation processes. We are dedicated to training the City staff to make certain the facility is operated at its full potential to meet the City’s needs.

Our approach to start-up and training will be based on pacing with completion of construction. Normally, plant training is scheduled for the end of the project and is crammed into a few days or weeks. This approach can be overwhelming and non-effective.

Our approach is to sufficiently spread the start-up and training for the various unit processes and equipment to match completion of the respective improvements as opposed to all at once. We will capture training via video and edit the final product to serve as a tool for future training.

Our use of Revit and other associated building information management (BIM) design software will provide the City with a final product that is beneficial for future equipment management as well as for use along with the video documentation in the training of future staff.

One of the key deliverables for this phase will be the operations and maintenance (O&M) manuals. Having been involved in this process for many years, Tetra Tech has learned that the standard O&M manuals provided by the equipment suppliers often fall short on usefulness and actual application.

Most of these manuals provide excellent information related to maintenance and repair, but often fall short on assisting in the day-to-day operations of the equipment.

Further, the O&M manuals provided by the contractor and equipment manufacturers do not address unit process operations.

As such, our approach is to provide the City of Hollywood staff with custom written manuals that provide summaries of the unit process operations and include the details of the design that are simply just absent from stock equipment catalogs. Again, our approach is to leverage technology.

Our 3-D CADD renderings of the proposed facilities can be creatively used in the O & M manuals to provide realistic views for use in future operations and maintenance in the field.



TAB F

KNOWLEDGE OF SITE AND LOCAL CONDITIONS

Tetra Tech is familiar with the City of Hollywood and its water, wastewater, stormwater, and roadway infrastructure. We have successfully completed numerous projects for the City of Hollywood and understand the City, its residents, and visitors.

Experience with Low Elevation Lines and Hurricane Wind Forces

Tetra Tech has completed numerous projects in Hollywood, oftentimes in low lying areas. We assisted with the drainage system design for the Washington Park Project (Project 1 in this RFQ). We have assisted the City in overseeing construction of the exact type of infrastructure being constructed as part of these projects. We understand that the construction of these projects will likely occur during Hurricane Season. In preparation for hurricane force winds, we require that the contractor have a hurricane preparation and contingency plan to secure all of the equipment, materials, trenches, maintenance of traffic barricades, and other items.

Knowledge of Local Subcontractors and Suppliers

Tetra Tech has assisted the City to successfully construct numerous infrastructure projects similar to those identified in the RFQ. We are familiar with the local construction contractors and are able to assist the City in ensuring proper and quality construction. In addition, during the construction bidding process, we assist with contractor bid evaluations to ensure proper pricing. We also perform reference checks for the lowest bidders to ensure that work they recently completed is to the satisfaction of the reference.

Knowledge of Local Permitting Agencies, Procedures, and Testing Protocols

Tetra Tech has assisted the City to design and permit over 300,000 LF of piping in the City of Hollywood. As part of that process, we must obtain permits from local, county, state, and federal agencies. We are familiar with the permits required, the requirements of those permits, and the procedures necessary to finalize and close out permits.

Experience with Logistically Complex Projects

We are very experienced with working on complex projects with logistical challenges. Washington Park, Project 1, has many logistical challenges due to the industrial/commercial nature of the area. We understand that public safety, both pedestrian and vehicular is of the utmost importance. Thorough maintenance of traffic plans are required of the contractor to properly and safely construct the proposed infrastructure. Tetra Tech has an abundance of understanding and experience with complex construction projects.

TAB G

REFERENCES - VENDOR REFERENCE FORM

Three references are included on the requested Vendor References Forms.

Each reference is for projects of similar size, scope, and complexity that have been completed by Tetra Tech, Inc. within the last five years.

Each reference demonstrates the experience of our firm and our team that is proposed to provide services as required and outlined in this proposal.

VENDOR REFERENCE FORM		REFERENCE #1	
City of Hollywood Solicitation #:	RFQ-118-23-JJ	THE CITY OF POMPANO BEACH	
Reference for:	Tetra Tech		
Organization/Firm Name providing reference:	City of Pompano Beach		
Organization/Firm Contact Name:	Christopher R. Schlageter, CGC		
Email:	Christopher.Schlageter@copbl.com	Phone:	(954) 786-4022
Name of Referenced Project:	WTP Hurricane Hardening	Contract No:	RLJ L-40-15
Date Services were provided:	2016-2023	Project Amount:	\$487,703.49
Referenced Vendor's role in Project:	<input checked="" type="checkbox"/> Prime Vendor	<input type="checkbox"/> Subcontractor	
Would you use the Vendor again?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No. Please specify in comments	
Description of services provided by Vendor (provide additional sheet if necessary):			
Design, permitting, bidding, and construction phase engineering services			

VENDOR REFERENCE FORM		REFERENCE #2	
City of Hollywood Solicitation #:	RFQ-118-23-JJ	THE CITY OF NORTH MIAMI	
Reference for:	Tetra Tech		
Organization/Firm Name providing reference:	City of North Miami Public Works		
Organization/Firm Contact Name:	Wisler Pierre Louis		
Email:	pwisler@northmiamifl.gov	Phone:	305-893-6511 Ext 1256
Name of Referenced Project:	NE 6 Avenue Water Main	Contract No:	N/A
Date Services were provided:	Sept 2015 to Feb 2018	Project Amount:	\$120,000
Referenced Vendor's role in Project:	<input checked="" type="checkbox"/> Prime Vendor	<input type="checkbox"/> Subcontractor/Subconsultant	
Would you use the Vendor again?	<input type="checkbox"/> Yes	<input type="checkbox"/> No. Please specify in comments	
Description of services provided by Vendor (provide additional sheet if necessary):			
Design, Permitting, Bidding, and Construction Phase Engineering Services.			

VENDOR REFERENCE FORM		REFERENCE #3	
City of Hollywood Solicitation #:	RFQ-118-23-JJ	MIAMI-DADE COUNTY - PORTMIAMI	
Reference for:	Tetra Tech		
Organization/Firm Name providing reference:	MIAMI-DADE COUNTY PORT		
Organization/Firm Contact Name:	Victor M. Gutierrez, P.E., PMP		
Email:	Victor.Gutierrez@miamidade.gov	Phone:	305-347-4802
Name of Referenced Project:	Cargo Gate Modifications and Process Improvements	Contract No:	E12-SEA-01
Date Services were provided:	2015-Current	Project Amount:	\$2,475,000
Referenced Vendor's role in Project:	<input checked="" type="checkbox"/> Prime Vendor	<input type="checkbox"/> Subcontractor/Subconsultant	
Would you use the Vendor again?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No. Please specify in comments	
Description of services provided by Vendor (provide additional sheet if necessary):			
Design, permitting, bidding, and construction phase engineering services for new cargo gates and additional infrastructure in			

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-118-23-JJ

Reference for: Tetra Tech

Organization/Firm Name providing
reference:

City of Pompano Beach

Organization/Firm Contact

Name: Christopher R. Schlageter, CGC

Email: Christopher.Schlageter@copbfl.com

Name of Referenced Project: WTP Hurricane Hardening

Date Services were provided:
2016-2023

Title:

Engineering Project Manager

Phone: (954) 786-4022

Contract No: RLI L-40-15

Project

Amount: \$487,703.49

Referenced Vendor's role in
Project:☒ Prime Vendor☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☒ Yes☐ No. Please specify in additional
comments**Description of services provided by Vendor (provide additional sheet if necessary):**

Design, permitting, bidding, and construction phase engineering services

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

Excellent firm and professional staff. Tetra Tech has provided full service engineering from design development thru construction

administration services for years to the City of Pompano Water Treatment Facility. We are very happy with this firm.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail:	<input type="checkbox"/>
Verified by:	Name:				Title:	
	Department:				Date:	

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-118-23-JJ

Reference for: Tetra Tech

Organization/Firm Name providing
reference:

City of North Miami Public Works Department

Organization/Firm Contact

Name:

Wisler Pierre Louis

Title:

Director

Email:

pwisler@northmiamifl.gov

Phone: 305-893-6511 Ext 12501

Name of Referenced Project:

NE 6 Avenue Water Main

Contract No: N/A

Date Services were provided:

Sept 2015 to Feb 2018

Project

Amount: \$120,000

Referenced Vendor's role in
Project:☒ Prime Vendor☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☐ Yes☐ No. Please specify in additional
comments**Description of services provided by Vendor (provide additional sheet if necessary):**

Design, Permitting, Bidding, and Construction Phase Engineering Services.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

Tetra Tech provided great customer service.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail:	<input type="checkbox"/>
Verified by:	Name:				Title:	
	Department:				Date:	

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: RFQ-118-23-JJ

Reference for: Tetra Tech

Organization/Firm Name providing
reference:

MIAMI-DADE COUNTY PORTMIAMI - CAPITAL DEVELOPMENT

Organization/Firm Contact

Name:

Victor M. Gutierrez, P.E., PMP

Title:

Sr. Professional Engineer

Email:

Victor.Gutierrez@miamidade.gov

Phone: 305-347-4802

Name of Referenced Project:

Cargo Gate Modifications and Process Improvements

Contract No: E12-SEA-01

Date Services were provided:

2015-Current

Project

Amount: \$2,475,000

Referenced Vendor's role in
Project:☒ Prime Vendor☐ Subcontractor/
SubconsultantWould you use the Vendor
again?☒ Yes☐ No. Please specify in additional
comments**Description of services provided by Vendor (provide additional sheet if necessary):**

Design, permitting, bidding, and construction phase engineering services for new cargo gates and additional infrastructure in connection with them.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

Tetra tech has performed an excellent service to the Port for the above referenced project. Tetra tech has been very responsive, efficient and reliable.

******THIS SECTION FOR CITY USE ONLY******

Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail:	<input type="checkbox"/>
Verified by:	Name:				Title:	
	Department:				Date:	

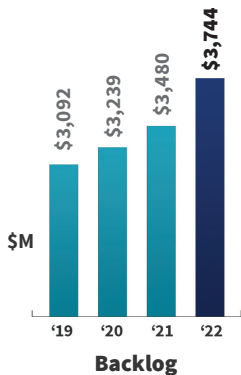
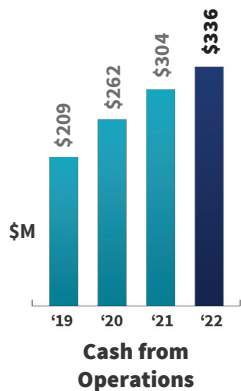
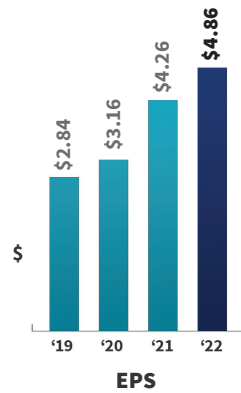
TAB H

SUBCONSULTANT INFORMATION

At this time, it is not anticipated that subconsultants will be necessary. However, if subconsultants are necessary in the future, Tetra Tech will present proposed subconsultants to the City for approval prior to engaging them.

TAB I

FINANCIAL RESOURCES



Dear Shareholders,



Today, Tetra Tech's high-end consulting and engineering services are more in demand than ever before to address our clients' rapidly expanding needs associated with climate change—including water management, environmental protection, design of sustainable and resilient infrastructure, and support the transition to renewable energy. In 2022 we used our *Leading with Science*® approach to provide solutions for our clients for more than 80,000 projects in 125 countries. Our projects protected and restored biodiversity, created sustainable water supplies, restored the environment, and decarbonized buildings, infrastructure, and power supplies.

The significant global demand for our services has resulted in Tetra Tech achieving new all-time-high records in fiscal year 2022 for revenue, net revenue, earnings per share, and backlog. In fiscal year 2022, gross revenue was \$3.5 billion and net revenue increased to \$2.8 billion, up 9 percent and 11 percent, respectively from 2021. Our differentiated high-end services generated all-time-high operating income of \$340 million resulting in an Earnings Per Share of \$4.86, up 14 percent from last year. As a result of our consistent and disciplined capital allocation, we returned \$246 million to our shareholders through dividends and stock buybacks and generated a 54 percent shareholder return over the past 3 years.

We ended the year with an all-time-high backlog of \$3.74 billion, up 8 percent from the same time last year. While it was an exceptional year for orders, we finished the year with the highest bookings of orders in the history of the Company, exceeding \$1.3 billion just in the fourth quarter. During the year, we won significant programs with government and commercial clients, adding more than \$5 billion in new contract capacity worldwide to address flood risk management, water and sanitation, dam safety, carbon mitigation, biodiversity, renewable energy, and a wide range of environmental data analytics solutions. Our strong, broad-based backlog provides us with extraordinary visibility and momentum as we begin fiscal year 2023.

In alignment with our strategic plan, in 2022 we acquired four companies that are leaders in digital transformation, advanced data analytics, and sustainability consulting. The addition of two digital water companies—Enterprise Automation, Inc. and TIGA, Inc.—brought us industry-leading software engineers and consultant expertise to address complex challenges related to water and big data. Also in 2022, the addition of Axiom Data Science provided Tetra Tech with unique expertise in technology for the analysis of massive ocean and coastal data sets, while Piteau Associates brought us global leadership in hydraulic modeling and sustainable water management for commercial clients. In September 2022, we announced our offer to acquire the RPS Group, which, when completed in January 2023, will bring 5,000 staff with high-end expertise



in energy transformation, water, program management, and data analytics. The addition of RPS will increase our global reach with an established presence in Europe, add significant technical resources to expand our market-leading position in renewable energy, and expand our suite of differentiated technologies.

As we enter fiscal year 2023, we see strong demand from our long-term clients for our differentiated *Leading with Science* approach to solve water, environmental, and sustainable infrastructure priorities. While we expect to see continued growth internationally, led by our operations in Canada, the United Kingdom and Australia; we expect the fastest growth to be in the United States. In the United States, an unprecedented sequence of three major legislative actions over the past year have set the stage for future spending increases directly aligned with Tetra Tech's strengths: water management, environmental restoration, sustainability consulting, and renewable energy services. Tetra Tech is recognized as an industry leader in these markets as demonstrated by our #1 rankings with *Engineering News-Record* in water, environmental management, hydro plants, water treatment/desalination, and water treatment/supply, and numerous top 10 rankings, including wind power, solar power, and green building design.

- \$1.2 trillion Infrastructure Investment and Jobs Act
- \$280 billion CHIPS Act
- \$369 billion Inflation Reduction Act

We are ready to address this extraordinary federal growth opportunity by leveraging our more than 50 years of experience and \$25 billion in contract capacity with U.S. government agencies. With new funding incentives for renewable energy, we also see opportunities to further expand our work with energy utilities and commercial clients and build on experience gained through performing more than 1,000 high-end siting and permitting projects across the United States.

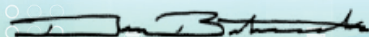
As we look to the future, we are committed to serving our clients by *Leading with Science* and benefiting the world through our work. We will continue to advance Tetra Tech's 2030 goal to improve the lives of one billion people around the world through the projects we perform, from our baseline of 411 million people set in 2022. We also have committed to an additional 50 percent reduction of greenhouse gas (Scope 1, 2, and 3 CO₂e) emissions from our operations, furthering the 70 percent reduction in greenhouse gas achieved since the inception of our sustainability program in 2010.

Across our operations, we are committed to advancing diversity, equity, and inclusion. We believe that our diverse, high performing individuals and teams bring a wide range of perspectives and experiences to their engagement with coworkers and their understanding of our clients' needs and project objectives. As part of Tetra Tech's commitment to a culture of inclusion, our Employee Resource Groups bring together communities focused on the experiences of Black, Latino/Hispanic, Pan-Asian, Women, Veterans, Disabled, and LGBTQIA+ employees and Emerging Professionals that broaden and enhance companywide interaction and support for our employees. As a high-end consultancy, we also actively encourage continuous learning through our project teams and the Tetra Tech Academy, with global access to training, networking, and technology exchange programs.

With today's challenges associated with climate change, the need for reliable water supplies, and risks to coastal regions, there has never been more demand for the services we provide. Our clients are committing funding and resources and launching new multiyear programs to address these rising concerns that transcend political affiliations. With the addition of the RPS Group, in 2023 we will increase our global resources and expand our suite of differentiated technologies. By leveraging the alignment of client needs and Tetra Tech's high-end expertise, we will advance our goal to be the global industry leader in sustainable solutions for water, environment, and sustainable infrastructure.

On behalf of Tetra Tech, I thank you for your continued confidence and support.

Sincerely,



Dan Batrack, Chairman and CEO

TAB J

LEGAL PROCEEDINGS AND PERFORMANCE

This section includes a letter on Tetra Tech letterhead indicating if our firm has paid liquidated damages and/or if Tetra Tech, Inc. has been terminated for default. This letter includes confirmation that Tetra Tech, Inc. has not paid liquidated damages or been terminated for default.

In the normal course of business, Tetra Tech, Inc. is subject to certain claims and lawsuits typically filed against the engineering and consulting professions, including contractual disagreements, workers' compensation, personal injury and other similar lawsuits. Tetra Tech maintains insurance coverage for its business and operations, subject to certain deductibles and policy limits against such claims. As described in Tetra Tech's most recent quarterly and annual reports filed with the U.S. Securities and Exchange Commission, Tetra Tech believes that the resolution of any such claims will not have a material effect on its financial position or results of operations. Included below are all construction-related lawsuits within the last five years.

PC00027 | Urban Oaks Builders. v. Ardaman & Associates, Inc.

Date Opened: 10/19/2017

Plaintiff: Cottingham Road TIC, LLC

Defendant: Ardaman & Associates, Inc.

Case Number: 2020-CA-1499

Date Filed: 06/05/2020

Court: Circuit Court, Ninth Judicial Circuit, Osceola County

Cause of Action: Negligence Alleged

Disposition of Case: Closed

C00430 | Gillespie Residence/Pentail Circle, Tampa v. Ardaman & Associates, Inc.

Date Opened: 7/12/2016

Plaintiff: Universal Property & Casualty Insurance Company
a/s/o Jesse Aaron Gillespie and Cathleena Marie Gillespie

Defendant: Ardaman & Associates, Inc.

Case Number: 20-CA-006767

Date Filed: 07/12/2016

Court: Hillsborough County

Cause of Action: Negligence Allegations

Disposition of Case: Closed

2021-00100 | Grande Oaks at Heathrow Association, Inc. v. Ardaman & Associates, Inc.

Date Opened: 01/19/2021

Plaintiff: Grande Oaks at Heathrow Association, Inc.

Defendant: Ardaman & Associates, Inc.

Case Number: 2020-CA-003188

Date Filed: 12/31/2020

Court: Seminole County

Cause of Action: Construction Defect Action

Disposition of Case: Closed

2020-00306 | 1370 S. Ocean, LLC v. Ardaman & Associates, Inc.

Date Opened: 03/13/2019

Plaintiff: 1370 S. Ocean, LLC et al.

Defendant: Ardaman & Associates, Inc.

Case Number: 502021CA002592XXXXMB

Date Filed: 02/25/2021

Court: Palm Beach County

Cause of Action: Breach of Contract Action

Disposition of Case: Closed

2021-00009 | Concrete Services Unlimited v. Ardaman & Associates, Inc.

Date Opened: 07/20/2021

Plaintiff: Concrete Services Unlimited Inc.

Defendant: Ardaman & Associates, Inc.

Case Number: 21000460CAA

Date Filed: 07/8/2021

Court: Gadsden County

Cause of Action: Negligence Allegations

Disposition of Case: Closed

2020-00329 | Kinley (FLA), L.L.C. v. Ardaman & Associates, Inc.

Date Opened: 06/06/2019

Plaintiff: Vitas Healthcare Corporation of Florida [Kinley (FLA), L.L.C. is a Third-Party Plaintiff] Defendant: Ardaman & Associates, Inc.

Case Number: 05-2021-CA-024693

Date Filed: 12/14/2021

Court: Brevard County

Cause of Action: Defective Design and Construction Allegations

Disposition of Case: Closed

Arbitrations: List all construction arbitration demands filed by or against your firm in the last five years, and identify the nature of the claim, the amount in dispute, the parties, and the ultimate resolution of the proceeding:

Nothing to disclose.

Other Proceedings: Identify any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board or similar state agency in the past five years:

Nothing to disclose.

22-00207 | Kim Thompson/Horse Creek Park Project v. Ardaman & Associates, Inc.

Date Opened: 05/20/2022

Plaintiff: Kim Thompson

Defendant: Ardaman & Associates, Inc.

Case Number: 05-2019-CA-044372

Date Filed: 03/31/2022

Court: Brevard County

Cause of Action: Negligence Alleged

Disposition of Case: Open

L00508 | Prieto Brother's Corporation/Medly, Florida Warehouse v. Ardaman & Associates, Inc.

Date Opened: 09/28/2022

Plaintiff: Prieto Brother's Corporation Defendant: Ardaman & Associates, Inc.

Case Number: 2022-017772-CA-01

Date Filed: 09/14/2022

Court: Miami-Dade County

Cause of Action: Breach of Contract Alleged

Disposition of Case: Open

Bankruptcies: Has your firm or its parents or any subsidiaries ever had a Bankruptcy Petition filed in its name, voluntarily or involuntarily?

Nothing to disclose.

Has a contract to which you were a party even been terminated by the other party?

Nothing to disclose.

Have you ever had to use bonding moneys to complete a project or to pay a subconsultant or supplier?

Not applicable.



OCTOBER 2, 2023



City of Hollywood
Department of Public Utilities
c/o City Clerk
2600 Hollywood Blvd
Hollywood, FL 33022-9045

SUBJECT: RFQ-042-23-JJ - LIQUIDATED DAMAGES AND TERMINATION BY DEFAULT

To our knowledge, Tetra Tech, Inc. has not paid liquidated damages and/or been terminated for default.

Sincerely,
Tetra Tech

A handwritten signature in blue ink, appearing to read 'Ken Caban', written in a cursive style.

Ken Caban, PE, LEED AP
Vice President

6303 Waterford District Dr., Ste. 305, Miami, FL 33126

TEL: 305.849.3404 | www.tetrattech.com

TAB K

W-9

Form (Rev. October 2018) Department of the Treasury Internal Revenue Service	<h2 style="margin: 0;">Request for Taxpayer Identification Number and Certification</h2> <p style="margin: 0;">▶ Go to www.irs.gov/FormW9 for instructions and the latest information.</p>	Give Form to the requester. Do not send to the IRS.																																																												
<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. TETRA TECH INC.</p> <p>2 Business name/disregarded entity name, if different from above TETRA TECH INC.</p> <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><input type="checkbox"/> Individual/sole proprietor or single-member LLC</p> <p><input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____</p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) ▶ _____</p> </div> <div style="width: 35%;"> <p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p> </div> </div> </div> <div style="width: 35%;"> <p>5 Address (number, street, and apt. or suite no.) See instructions. 201 East Pine Street., Suite-1000</p> <p>6 City, state, and ZIP code Orlando, FL 32801</p> <p>7 List account number(s) here (optional)</p> </div> </div>																																																														
<p>Part I Taxpayer Identification Number (TIN)</p> <p>Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i>, later.</p> <p>Note: If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center;">Social security number</td> </tr> <tr> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px;"></td> </tr> <tr> <td colspan="4" style="text-align: center;">-</td> <td colspan="2" style="text-align: center;">-</td> <td colspan="4"></td> </tr> <tr> <td colspan="10" style="text-align: center;">or</td> </tr> <tr> <td colspan="10" style="text-align: center;">Employer identification number</td> </tr> <tr> <td style="width: 25px; height: 25px; text-align: center;">9</td> <td style="width: 25px; height: 25px; text-align: center;">5</td> <td style="width: 25px; height: 25px; text-align: center;">-</td> <td style="width: 25px; height: 25px; text-align: center;">4</td> <td style="width: 25px; height: 25px; text-align: center;">1</td> <td style="width: 25px; height: 25px; text-align: center;">4</td> <td style="width: 25px; height: 25px; text-align: center;">8</td> <td style="width: 25px; height: 25px; text-align: center;">5</td> <td style="width: 25px; height: 25px; text-align: center;">1</td> <td style="width: 25px; height: 25px; text-align: center;">4</td> </tr> </table>			Social security number																				-				-						or										Employer identification number										9	5	-	4	1	4	8	5	1	4
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9	5	-	4	1	4	8	5	1	4																																																					
<p>Part II Certification</p> <p>Under penalties of perjury, I certify that:</p> <ol style="list-style-type: none"> The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and I am a U.S. citizen or other U.S. person (defined below); and The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct. <p>Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.</p>																																																														
<p>Sign Here</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Signature of U.S. person ▶ <i>Caroline T Hall</i></p> </div> <div style="width: 45%;"> <p>Date ▶ April 16, 2023</p> </div> </div>																																																														

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



VENDOR REFERENCE FORM

City of Hollywood Solicitation #: _____
 Reference for: _____

Organization/Firm Name providing
 reference: _____

Organization/Firm Contact Name: _____ Title: _____
 Email: _____ Phone: _____
 Name of Referenced Project: _____ Contract No: _____
 Date Services were provided: _____ Project Amount: _____

Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/
 Subconsultant
 Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****					
Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail: <input type="checkbox"/>
Verified by:	Name:				Title:
	Department:				Date:

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: _____
 Reference for: _____

Organization/Firm Name providing
 reference: _____

Organization/Firm Contact Name: _____ Title: _____
 Email: _____ Phone: _____
 Name of Referenced Project: _____ Contract No: _____
 Date Services were provided: _____ Project Amount: _____

Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/
 Subconsultant
 Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****					
Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail: <input type="checkbox"/>
Verified by:	Name:				Title:
	Department:				Date:

VENDOR REFERENCE FORM

City of Hollywood Solicitation #: _____
 Reference for: _____

Organization/Firm Name providing
 reference: _____

Organization/Firm Contact Name: _____ Title: _____
 Email: _____ Phone: _____
 Name of Referenced Project: _____ Contract No: _____
 Date Services were provided: _____ Project Amount: _____

Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/
 Subconsultant
 Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Staff turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timeliness/Cost Control of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****					
Verified via:	Email:	<input type="checkbox"/>	Verbal:	<input type="checkbox"/>	Mail: <input type="checkbox"/>
Verified by:	Name:				Title:
	Department:				Date:

Form 14

LIST OF SUBCONTRACTORS

The Respondent shall list below the name and address of each Subcontractor who will perform work under this Contract, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Submittals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed.

	Work to be Performed	Subcontractor's Name / Address
1.	<hr/>	<hr/>
	N/A (subcontractors will not be utilized)	N/A (subcontractors will not be utilized)
2.	<hr/>	<hr/>
	<hr/>	<hr/>
3.	<hr/>	<hr/>
	<hr/>	<hr/>
4.	<hr/>	<hr/>
	<hr/>	<hr/>
5.	<hr/>	<hr/>
	<hr/>	<hr/>
6.	<hr/>	<hr/>
	<hr/>	<hr/>
7.	<hr/>	<hr/>
	<hr/>	<hr/>
8.	<hr/>	<hr/>
	<hr/>	<hr/>
9.	<hr/>	<hr/>
	<hr/>	<hr/>
10.	<hr/>	<hr/>
	<hr/>	<hr/>

NOTE: Attach additional sheets if required.

- END OF SECTION -



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
10/07/2022

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

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

PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 E-MAIL ADDRESS:																					
INSURED Tetra Tech, Inc. 4601 Sheridan St. Suite #212 Hollywood FL 33021 USA	<table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Zurich American Ins Co</td><td>16535</td></tr><tr><td>INSURER B:</td><td>American International Group UK Ltd</td><td>AA1120187</td></tr><tr><td>INSURER C:</td><td>Allied World Surplus Lines Insurance Co</td><td>24319</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Zurich American Ins Co	16535	INSURER B:	American International Group UK Ltd	AA1120187	INSURER C:	Allied World Surplus Lines Insurance Co	24319	INSURER D:			INSURER E:			INSURER F:		
INSURER(S) AFFORDING COVERAGE		NAIC #																				
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INSURER C:	Allied World Surplus Lines Insurance Co	24319																				
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES **CERTIFICATE NUMBER:** 570095985099 **REVISION NUMBER:**

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

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> X,C,U Coverage GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	Y		GL0181740604	10/01/2022	10/01/2023	EACH OCCURRENCE	\$2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
							MED EXP (Any one person)	\$10,000
							PERSONAL & ADV INJURY	\$2,000,000
							GENERAL AGGREGATE	\$4,000,000
							PRODUCTS - COMP/OP AGG	\$4,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y		BAP 1857085 04	10/01/2022	10/01/2023	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
							BODILY INJURY (Per person)	
							BODILY INJURY (Per accident)	
							PROPERTY DAMAGE (Per accident)	
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$100,000			62785232	10/01/2022	10/01/2023	EACH OCCURRENCE	\$5,000,000
							AGGREGATE	\$5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC254061604 WC185708704	10/01/2022 10/01/2022	10/01/2023 10/01/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH	
							E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE-EA EMPLOYEE	\$1,000,000
							E.L. DISEASE-POLICY LIMIT	\$1,000,000
c	Env Contr Prof			03120276 Prof/Poll Liab SIR applies per policy terms & conditions	10/01/2022	10/01/2023	Each Claim Aggregate	\$1,000,000 \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
City of Hollywood, Florida, its employees and officials are included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. Stop Gap Coverage for the following states: OH, ND, WA, WY. Should any of the above described policies be cancelled before the expiration date thereof, the policy provisions will govern how notice of cancellation may be delivered to certificate holders in accordance with the policy provisions of each policy.

CERTIFICATE HOLDER**CANCELLATION**

City of Hollywood 2600 Hollywood Boulevard Hollywood FL 33020 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Insurance Services West, Inc.</i>
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Blanket Notification to Others of Cancellation or Non-Renewal

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Policy No. GLO 1817406-04

Effective Date: 10/01/2022

This endorsement applies to insurance provided under the:

Commercial General Liability Coverage Part

- A.** If we cancel or non-renew this Coverage Part by written notice to the first Named Insured, we will mail or deliver notification that such Coverage Part has been cancelled or non-renewed to each person or organization shown in a list provided to us by the first Named Insured if you are required by written contract or written agreement to provide such notification. Such list:
1. Must be provided to us prior to cancellation or non-renewal;
 2. Must contain the names and addresses of only the persons or organizations requiring notification that such Coverage Part has been cancelled or non-renewed; and
 3. Must be in an electronic format that is acceptable to us.
- B.** Our notification as described in Paragraph **A.** of this endorsement will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to the first Named Insured. We will mail or deliver such notification to each person or organization shown in the list:
1. Within 10 days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 2. At least 30 days prior to the effective date of:
 - a. Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - b. Non-renewal, but not including conditional notice of renewal,unless a greater number of days is shown in the Schedule of this endorsement for the mailing or delivering of such notification with respect to Paragraph **B.1.** or Paragraph **B.2.** above.
- C.** Our mailing or delivery of notification described in Paragraphs **A.** and **B.** of this endorsement is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
1. Extend the Coverage Part cancellation or non-renewal date;
 2. Negate the cancellation or non-renewal; or
 3. Provide any additional insurance that would not have been provided in the absence of this endorsement.

- D.** We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs **A.** and **B.** of this endorsement.

SCHEDULE	
The total number of days for mailing or delivering with respect to Paragraph B.1. of this endorsement is amended to indicate the following number of days:	*
The total number of days for mailing or delivering with respect to Paragraph B.2. of this endorsement is amended to indicate the following number of days:	**
* If a number is not shown here, 10 days continues to apply. ** If a number is not shown here, 30 days continues to apply.	

All other terms and conditions of this policy remain unchanged.

**ZURICH®**

Blanket Notification to Others of Cancellation or Non-Renewal

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
BAP 1857085-04	10/01/2022	10/01/2023		75272000	INCL	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial Automobile Coverage Part

- A.** If we cancel or non-renew this Coverage Part by written notice to the first Named Insured, we will mail or deliver notification that such Coverage Part has been cancelled or non-renewed to each person or organization shown in a list provided to us by the first Named Insured if you are required by written contract or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to the first Named Insured. Such list:
1. Must be provided to us prior to cancellation or non-renewal;
 2. Must contain the names and addresses of only the persons or organizations requiring notification that such Coverage Part has been cancelled or non-renewed; and
 3. Must be in an electronic format that is acceptable to us.
- B.** Our notification as described in Paragraph **A.** of this endorsement will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to the first Named Insured. We will mail or deliver such notification to each person or organization shown in the list:
1. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 2. At least 30 days prior to the effective date of:
 - a. Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - b. Non-renewal, but not including conditional notice of renewal.
- C.** Our mailing or delivery of notification described in Paragraphs **A.** and **B.** of this endorsement is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
1. Extend the Coverage Part cancellation or non-renewal date;
 2. Negate the cancellation or non-renewal; or
 3. Provide any additional insurance that would not have been provided in the absence of this endorsement.
- D.** We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs **A.** and **B.** of this endorsement.

All other terms and conditions of this policy remain unchanged.

POLICY NUMBER: WC 2540616-04

BLANKET NOTIFICATION TO OTHERS OF CANCELLATION OR NONRENEWAL ENDORSEMENT

This endorsement adds the following to Part Six of the policy.

**PART SIX
CONDITIONS****Blanket Notification to Others of Cancellation or Nonrenewal**

1. If we cancel or non-renew this policy by written notice to you, we will mail or deliver notification that such policy has been cancelled or non-renewed to each person or organization shown in a list provided to us by you if you are required by written contract or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to you. Such list:
 - a. Must be provided to us prior to cancellation or non-renewal;
 - b. Must contain the names and addresses of only the persons or organizations requiring notification that such policy has been cancelled or non-renewed; and
 - c. Must be in an electronic format that is acceptable to us.
2. Our notification as described in Paragraph 1. above will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to you. We will mail or deliver such notification to each person or organization shown in the list:
 - a. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 - b. At least 30 days prior to the effective date of:
 - (1) Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - (2) Non-renewal, but not including conditional notice of renewal.
3. Our mailing or delivery of notification described in Paragraphs 1. and 2. above is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
 - a. Extend the policy cancellation or non-renewal date;
 - b. Negate the cancellation or non-renewal; or
 - c. Provide any additional insurance that would not have been provided in the absence of this endorsement.
4. We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs 1. and 2. above.

All other terms and conditions of this policy remain unchanged.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective
Insured

Policy No.

Endorsement No.
Premium \$

Insurance Company

Per question 6: Tab H: Financial Resources; this form has not been submitted based upon the City's response that bonding capacity can be eliminated.

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED _____

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference Program, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within _____ days with final completion within _____ days, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the Local Preference Ordinance, Exhibit A.

The BIDDER acknowledges receipt of the any and all addenda.

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal

shall be returned to the undersigned.

Attached hereto is a certified check on the

_____ Bank of _____

or approved Bid Bond for the sum of

_____ Dollars (\$) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

(Signature of Individual)

(Printed Name of Individual)

(Address)

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

(Name of Firm)

(Address)

(Signature of Individual) (SEAL)

WHEN THE BIDDER IS A PARTNERSHIP:

(Name of Firm) A Partnership

(Address)

By: _____
(SEAL)
(Partner)

Name and Address of all Partners:

WHEN THE BIDDER IS A JOINT VENTURE:

(Correct Name of Corporation)

By: _____ (SEAL)
(Address)

(Official Title)

As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

WHEN THE BIDDER IS A CORPORATION:

(Correct Name of Corporation)

By: _____
(SEAL)

(Official Title)

(Address of Corporation)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

(Name of Corporation)

RESOLVED that _____
(Person Authorized to Sign)

_____ of
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

[Project name]
[Project Number]
Bid No. IFB-xxxxxxx

The foregoing is a true and correct copy of the Resolution adopted by

_____ at a meeting of its Board of
(Name of Corporation)

Directors held on the _____ day of _____, 20_____.

By: _____

Title: _____

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -