

Statement of Qualifications

# City of Margate Design Build Continuing Services

RFQ NO. 2025-004

April 2, 2025

# Title Page

# **City of Margate**

Request for Qualifications Title/Number:

# Design Build Continuing Services RFQ No. 2025-004

Submitted by:

# **AECOM Technical Services, Inc.**

110 E. Broward Boulevard, Suite 700 Fort Lauderdale, FL 33301 Office: 305.444.4691

Contact Persons:

# Scott Thibault, PE, DBIA Project Executive

scott.thibault@aecom.com 978.496.7237

# Brian Stitt, PEng, CBC, DBIA Project Manager

brian.stitt@aecom.com 954.629.4444

Due Date:

April 2, 2025 | 11:00 AM

# Transmittal Letter

# 1 Transmittal Letter

# **AECOM**

April 2, 2025

City of Margate
Office of the Purchasing Division
City Hall, Finance Department, Second Floor
5790 Margate Boulevard
Margate, Florida 33063

AECOM 110 E. Broward Boulevard Suite 700 Fort Lauderdale, FL 33301 305.444.4691 www.aecom.com

### Statement of Qualifications for Design Build Continuing Services | RFQ No. 205-004

Dear Selection Committee Members:

The AECOM team appreciates the time and commitment that the City of Margate has invested in their water utility system. We are excited for you to consider design-build as a delivery model for your projects and are honored to submit our qualifications for your review.

We have established our team structure, key personnel and overall approach to design-build to align with your vision and goals. Our design-build team is comprised of local staff who understand South Florida's unique challenges, as well as members from our east-coast-based water design-build team who are dedicated to delivering design-build projects throughout the United States. All team members are committed to serving you, your community, and your projects. These projects require an experienced team that has successfully executed similar projects, and a team whose project management team and lead engineers have extensive design-build experience. They also require an experienced contractor who expertise in water and wastewater projects reflects the commitment to quality and customer satisfaction. For this reason, AECOM has selected RF Environmental Services, Inc. to serve as our construction partner for your projects.

Our detailed, first-hand understanding of working within urban water and wastewater projects puts ahead of the learning curve. We know what you expect and have already begun planning how to execute the projects listed for this contract. We will continue to develop and fine-tune detailed engineering and construction approaches with you on each individual project to ensure that our design incorporates a holistic approach to your facilities' operations.

We are dedicated to the success of these projects because it is personal to your residents and your team. We offer the following commitments to make this a positive and memorable experience.

- The team members presented in our proposal have been selected based on their water/wastewater design-build experience and their ability to collaborate and partner with you and the residents and businesses of Margate. Our team has the resources to execute simultaneous task orders under this program.
- We will be your trusted business partner and work closely with you to keep your facilities operational with limited impacts during construction.
- All members of our team, from executives too field crews, will work closely with your operations and plant management staff to gain broader perspective of the challenges each facility faces and will establish detailed project plans to resolve those challenges right alongside you.
- Through our transparent and open communication approach, frequent planned and impromptu interaction with the City's staff, we will strive for a "no surprises" outcome at all critical meetings and milestones for each project.

The AECOM team confirms that we have received Addenda 1 and 2, affirms that Brian Stitt as our project manager will be the point-of-contact for this contract, and that Scott Thibault has signatory authority for AECOM Technical Services, Inc., and affirms that compliance documents are included in this Statement of Qualifications.

Our goal is to be a true partner to the City of Margate and we look forward to working side by side with you.

Sincerely,

**AECOM Technical Services, Inc.** 

at K. Thlatt

Scott Thibault, PE, DBIA Project Executive

Senior Vice President - Authorized Signatory

978.496.7237

scott.thibault@aecom.com

Brian Stitt, PEng, CBC, DBIA

Project Manager 954.629.4444

brian.stitt@aecom.com

2 Check List (Exhibit A)

# 2

# Check List (Exhibit A)

## **EXHIBIT A**

## CHECKLIST - CITY RFQ 2025-004

## NOTE:

- A) This Exhibit must be included in RFQ immediately after the cover letter.
- B) RFQ Package must be put together in order of this checklist.
- C) Any supplemental materials must appear after those listed below and tabbed "Additional RFQ Information".
- 1. X Transmittal Letter
- 2. X Copy of this Check List (Exhibit A)
- 3. \_\_\_X Corporate History/Corporate Qualifications/Team Organizational Chart
- 4. X Corporate Qualifications
- 5. \_\_\_X Project Team: (Name, Title and years with firm only. **Do not include a resume here.** All resumes, if included, should be included under "Additional RFQ Information" tab.)
- 6. X Personnel Assigned
- 7. X Professional Registration
- 8. X Project Management
- 9. X Proof of Insurance
- 10. X Offeror's Certification
- 11. \_\_X\_ SF 330 Forms
- 12.\_\_X Experience and References Sheets
- 12. X Scrutinized Companies Certificate
- 13. X Offeror's Qualifications Statement
- 14.\_\_\_X Drug-Free Workplace Form
- 15. X Byrd Anti-Lobbying Certification
- 16.\_\_\_X Statement of Compliance
- 17.\_\_X Non-Collusive Affidavit
- 18.\_\_X E-Verify Form
- 19. X Non-Coercive Conduct Affidavit
- 20.\_\_\_X\_\_ Foreign Countries Affidavit

# 3 Corporate History



# **Corporate History**

AECOM will serve as the prime design-build contractor and lead engineer for the City's of Margate's contract. AECOM is currently performing 10+ water/wastewater design-build projects of various contract values, delivering consistent quality through our combination of local resources and national expertise to this contract.

# **About AECOM**

AECOM Technical Services, Inc (AECOM) will serve as the prime design-build firm for this contract. AECOM is a premier, fully integrated professional and technical services firm that promotes a collaborative approach that unites creativity with technical expertise to address pressing infrastructure challenges. AECOM consistently ranks near the top of many of *Engineering News-Record's* lists, including being ranked as the #1 Water Firm, #2 Top Design Firm, #4 Sewer and Waste Firm and #14 Contractor for 2024.

As an accomplished integrated delivery firm, **AECOM has delivered more than \$2B design-build water and wastewater projects since the early 1990s**, ranging from <\$5 million to over \$400 million, as the prime design-builder. This includes a major design-build of new wastewater and water treatment facilities for the Town of Davie, FL, and we were recently selected for the City of Fort Lauderdale's G. T. Lohmeyer WWTP for odor control and other improvements design-build project.

Locally, AECOM has over 1,000 staff located in our Florida offices. Within our Fort Lauderdale office, we have engineers and professionals that are dedicated to water, wastewater and reclaimed water engineering. Members of our team have worked for many of the local municipalities on water/wastewater and other types of projects for decades.

# **Financial Stability**

AECOM is a Fortune 500 firm, and its professional services business had revenue of \$16.1 billion in fiscal year 2024. In Section 9 Proof of Insurance on page 9-3 we provide evidence of AECOM Technical Services, Inc. bonding capacity.

# **Current and Past Experience**

As an accomplished integrated delivery firm, AECOM is currently serving as the contractor, as prime or in joint venture, on nearly \$1B worth of water and wastewater design-build projects. To support this work, AECOM has a dedicated group that only works on design-build projects because we recognize they are different and require a specific skill set.

AECOM has a long history of being involved in the two most prominent national design-build organizations that represent the water space: the Design-Build Institute of America (DBIA) and the Water Collaborative Delivery Association (WCDA - formerly the Water Design-Build Council). Project Manager Brian Stitt, Deputy

Project Manager Carolyn Bonaventure, and Project Director Scott Thibault are active members of DBIA and Scott regularly publishes thought leadership blogs for the WCDA.

# **Key Subcontractor RF Environmental Services, Inc.**

RF Environmental Services, Inc. (RFES) is a State of Florida Certified General, Mechanical, Plumbing & Pollutant storage Contractor, specializing in the construction of new and the rehabilitation and upgrade of existing water and wastewater treatment systems in the municipal marketplace. As global water resources become an increasingly scarce and important commodity for everyone, RF Environmental Services, Inc. is perfectly positioned to help maintain and grow these water resources. Their business operations are focused in the Tri-County area of Miami-Dade, Broward and Palm Beach counties with offices located in Miami and Fort Lauderdale. RF Environmental Services, Inc. targets projects ranging in size from \$1M\$ to \$10M which makes them a perfect fit to support the City of Margate's contract.



\$ Value

\$60M \$28M \$70M \$40M \$270M \$40M

\$30M \$272M \$30M

\$27M \$40M \$439M \$20M \$40M \$66M \$100M \$28M \$1.2B \$60M

# AECOM's Alternative Delivery Experience

Project Name	MGD	Туре	\$ Value	Pı	oject Name	MGD	Туре
Cranston, RI	23	WW	\$15M	24	Hialeah, FL	10	Water
FPL, Cranston, RI	6.5	WW	\$23M	25	Connecticut Water Company, CT	9	Water
AES Londonderry, NH	4	WW	\$7.5M	26	City of Davis, CA	8.4	WW
4 Gardner, MA	3	Water	\$9M	27	Provincetown, MA	.75	WW
Newport, RI	10.7	WW	\$11M	28	ECAWP Package 1, CA	16	WW
Beverly Hills, CA	3.5	Water	\$20M	29	Newport, RI	16	WW
Taunton, MA	8.5	WW	\$11M	30	Stockton, CA	33	WW
8 Foxwoods, Ledyard, CT	3.6	WW	\$17.6M	31	Rialto, CA	11.7	WW
Lynn, MA	14	WW	\$15M	32	Victoria, BC	23.7	WW
0 MWRA, MA	115	Water	\$88M	33	<b>Spartanburg,</b> SC	64	Water
1 Holyoke, MA	103	WW	\$24M	34	Belmont Pipelines, NC	N/A	Water
2 Lee County, FL	0.4	WW	\$20M	35	Springfield WWTP, MA	67	WW
<b>3 Hilton Head,</b> SC	3	Water	\$12M	36	Portland CSO Storage, ME	3	WW
4 Seminole Tribe of Florida, FL	0.8	Water	\$24M	37	Bay Park CSO, NY	N/A	WW
<b>5 Nashville,</b> TN	N/A	Biosolids	\$117M	38	Tampa Pump Stations, FL	N/A	WW
6 Devens Commerce Center, MA	4.5	WW	\$16M	39	ECAWP Package 3, CA	N/A	WW
7 Carroll County, MD	7	Water	\$27M	40	Lynn WWTP Renewal, MA	24	WW
<b>8 Gwinnett County,</b> GA	N/A	Collection	\$23M	41	Santa Cruz, CA	20	Water
9 Davie, FL	6	Water/WW	\$112M	42	Greene County, OH	12	Water
O East Providence, RI	10	WW	\$54M	43	HRSD SWIFT, VA	100+	WW
Sarasota, FL	1	Water	\$25M	45	Banning WWTP/WRF, CA	4	WW
Toronto, Ontario, Canada	N/A	SSO	\$75M	46	City of Orlando, FL	15	WW
3 Newport, RI	7	Water	\$64M				

Figure 3-1. AECOM Meets or Exceeds the Qualifications Requirements

1	Design-Build Firm	AECOM Technical Services, Inc. holds multiple General Contractor licenses in the State of Florida and is legally authorized to operate multiple construction projects as prime design-builder. Copies of licenses are provided in Section 7.
2	Project Threshold	AECOM Technical Services, Inc. is capable of executing multiple construction projects as a prime design-builder. AECOM currently has more than 51,000 staff members dedicated to project execution, with over 1,000 of them residing in Florida. AECOM also has in excess of \$200M available bonding capacity.
3	Experience	AECOM has successfully completed \$2B worth of design-build municipal utility infrastructure projects in the last 20 years. Our water business line excels at working with clients just like the City of Margate. See table above for some highlighted Florida projects, and more details in Section 4 and in our SF 330 Section F.
4	Key Personnel	Our key personnel are licensed to work in the State of Florida, as Professional Engineers, General Contractors, or Design-Build Institute of America (DBIA) professionals. We have hand-selected the right mixture of engineers, designers and construction managers to serve you and multiple projects. Refer to Key Personnel biographies in Sections 5 and 6, and resumes in our SF 330 Section E.
5	Financial Stability	In Section 9, we have included evidence from our surety that AECOM Technical Services, Inc. has sufficient bonding capacity for multiple projects with the City of Margate and all of our other clients in the US. Further, we have the financial backing of our entire Fortune 500 company who had annual revenue of \$16.1B in FY 2024.

# 4 Corporate Qualifications



# **Corporate Qualifications**

AECOM and our team member's experience during the last five years on the Florida projects presented in this section demonstrate that we have the specific experience and skills to execute the design and construction of any project assigned by the City of Margate.

Below we present experience where our team has worked together on similar water/wastewater treatment projects, including projects that involve design, permitting, and construction, with an emphasis on design-build.

Our key team member qualifications are detailed in Section 5 and the additional assigned team members are presented in Section 6. In addition, we included resumes for these team members in our SF330 presented later in this proposal.

# Citywide Pump Stations Rehabilitation Design-Build, Tampa, FL

AECOM is the prime design-builder on a five-year contract that will result in the design-build rehabilitation of 25 wastewater pump stations throughout the City.

The City's pump stations range in capacity from 300-gpm to 7-mgd. Under this contract, AECOM is both the engineer of record for the design work and general contractor for the proposed construction work. Since this is a progressive design-build contract, two contracts will be issued each year. The Step 1 contract will include design for rehabilitating the selected pump stations and for the development of a guaranteed maximum price (GMP) to perform the rehabilitation work. The Step 2 contract will be issued to perform the construction work based on the agreed to GMP developed in the first contract.

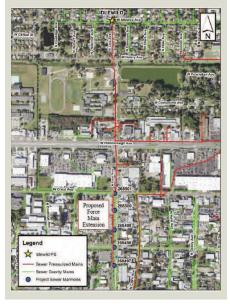
The initial task in the Step 1 contract is to evaluate the existing condition of each station and utilize pump run time information, hydraulic modeling of the respective force main systems and the available capacity at the point of connect, determine the required firm pumping capacity for each selected station. This work is then summarized in a Technical Memorandum that is submitted to the City for review and approval. In the next task, AECOM used the condition of the existing station and the selected pump requirements to determine if the station could be rehabilitated or if a new station should be constructed.

Preliminary construction cost estimates were developed for each alternative. This work performed is summarized in a second Technical Memorandum and includes the recommended design approach for each station. This is submitted to the City for review and approval. Once both memorandums have been approved, detailed design begins. For most of the stations, rehabilitation of the existing structure is the most cost-effective alternative. Once the 90% plan set has been approved by the City, preparation of the GMP for construction is prepared. To establish the GMP, AECOM is responsible for obtaining quotations for equipment and materials as well as selected subcontractor bids for portions of the work. Based on bids received, AECOM develops a total cost to perform the work. This cost, along with all the detailed bids and quotations is summarized and submitted to the City for review and approval. Once approved, the City issues a construction contract to AECOM to perform the work. Additionally, once the GMP is approved, AECOM begins evaluation and design of the next years selected pump stations.

### **Relevance to Margate**

- ☑ Florida Design-Build Project
- ✓ AECOM is Lead Engineer and Prime Design-Builder
- Collaboration with General Contractors
- ☑ Yearly GMP Development
- ☑ Wastewater Pump Station Improvements
- ☑ Existing Conditions Assessment
- ☑ Hydraulic Modeling
- ✓ Permitting
- ☑ Construction Services





# City of Orlando Conserv 1 Water Reclamation Facility Improvements Progressive Design-Build, Orlando, FL

AECOM has been involved on projects at the Water Conserv I WRF for more than 35 years. Since then, our team has completed many other projects on this site.

This design-build project for the City of Orlando includes upgrades and expansion of the Conserv 1 WRF from 7.5 mgd to 15 mgd. During design development, the City decided that the facility needed to meet advanced wastewater treatment standards, and the design-build team was able to seamlessly adjust to incorporate this requirement. AECOM, having provided design and construction services for the original award-winning facility in the 1980s, was selected to be part of the team.

Specific scope of work includes a new pre-treatment facility, new anaerobic basin, new BNR basins, reconfiguration of flow splits in open channels, new mono-media filter bays, new reclaim pump station, new plant water pump station, sitework, environmental evaluations, medium and low-voltage electrical upgrades, and I&C improvements.

The design-build team has been able to achieve a high minority/disadvantaged business utilization target, and has worked alongside multiple other projects on the site that required coordination and collaboration throughout design. The AECOM team has also worked alongside the prime design-builder to provide value engineering and constructability during design to ensure the project remains on budget while getting the maximum amount of improvements for a fixed budget.

### Relevance to Margate

- ✓ Progressive Design-Build
- ☑ AWWT/Strict Nutrient Limit Exp.
- ☑ Preliminary Treatment Coarse/Fine Screening/Grit Removal
- ☑ WW Process Modeling (BioWin)
- ☑ Site Layout
- ☑ Aeration System/Blowers
- ☑ Plant Hydraulics
- ☑ Solids Handling
- ☑ Electrical/Standby Power Generator



# City of Jacksonville LaSalle Pump Station and Drainage Improvements Design-Build,

Jacksonville, FL

# AECOM is working closely with the design-build team to improve drainage in Jacksonville's historic San Marco neighborhood.

This design-build project includes a 112cfs stormwater pump station and related replacement of stormwater drainage pricing. AECOM is the design consultant under the design-build firm. AECOM is responsible for project management and design services during design and working with the design-build firm on procurement and construction management.

Flooding in the historic San Marco neighborhood of Jacksonville, Florida, often occurs during relatively minor storm events that coincide with high tides, due to the minimal head difference between street catch basin inlets and the water elevation of the St. Johns River. The City of Jacksonville's LaSalle Street Drainage Improvements project aimed to address this issue by repairing, replacing, and installing a new primary stormwater collection system (6,197 linear feet), a pump station with a capacity of 117 cubic feet per second (cfs), and a 650-foot force main discharge into the river. This design-build project utilized innovative construction techniques, such as secant piles, for the wet well construction in a space-constrained residential area. Moreover, construction was completed while the existing storm sewer system remained operational, navigating a historically significant neighborhood with a highly congested right-of-way.

## **Relevance to Margate**

- ✓ Progressive Design-Build
- ☑ Collection System Modeling
- ☑ Pump Station Modeling
- ☑ Electrical/Standby Power Generator
- ✓ Public Relations Coordination
- ☑ Tight Site Constraints





# **Additional Relevant Florida Design-Build Experience**

# **Town of Davie Progressive Design-Build Wastewater and Water Treatment System Expansion,** Davie, FL

AECOM successfully completed this progressive design-build project one of the larger delivered to date in Florida.

AECOM served as the prime contractor for the progressive design-build of the Davie Clean Water Project. This project combined a new 6-mgd RO water treatment plant with a 3.5-mgd Membrane Bio Reactor (MBR) water reclamation facility in order to help meet the Town's objectives of "Making Davie Clean through Green." The Town upgraded the system due to two large planned developments which resulted in steep increases to both the demand for potable water and wastewater treatment capacity.

The project was implemented in two phases, with Phase I being planning, design, permitting and preparing a guaranteed maximum price for constructing the facilities. Phase II consisted of finalizing the design and permitting and constructing all facilities. The two plants share a common administration/laboratory building, electrical feed systems and standby generators.

AECOM was responsible for preparing an overall facility plan for the town. This work entailed an evaluation of existing facilities, capacity and demand evaluation for both water and wastewater, and recommendations on facility needs.

AECOM received the following awards for this project

- Florida Institute of Consulting Engineers 2014 Engineering Excellence Awards
- Davie Green Water Project won Best Overall in the Water/Wastewater Category for the Florida Design-Build Awards (2014)
- Water/ Wastewater Digest Top Ten projects (2014)

### **Relevance to Margate**

- ☑ Potable Water Treatment
- ☑ RO Membrane Treatment Process
- ☑ Pumping Systems
- ☑ Chemical Feed Systems
- ☑ Odor Control
- ☑ Electrical Power & Distribution
- ☑ SCADA and I&C
- ☑ Civil/Site Design/Yard Piping
- ☑ Prestressed Concrete Ground Storage Tanks
- ☑ Stormwater Management
- ☑ Local/State Permitting
- ☑ EOR Services
- ☑ CEl Services
- ☑ Operational Startup & Commissioning



# City of Hialeah Reverse Osmosis WTP Design-Build-Operate, Hialeah, FL

AECOM developed an innovative and energy-efficient treatment plant, which was meticulously designed following extensive piloting to determine the most effective membrane solutions for various current and future scenarios. Specifically, AECOM's piloting efforts resulted in a system that achieves an optimal balance between energy cost savings and membrane pore size.

Key features of AECOM's design include membrane skids that can be easily modified to handle potential increases in salinity resulting from future degradation of the Upper Floridan Aquifer, LE 440i membranes to minimize energy consumption. Moreover, the design incorporates biofilters instead of chemical scrubbers to reduce the carbon footprint and eliminate the need for three truckloads of chemicals each month.

AECOM's contract encompassed the detailed (final) design and construction at risk of the project. The scope of services included the design of various components such as the pretreatment system, chemical pre- and post-treatment systems, degasifier system, and biofilter scrubber system. Additionally, the contract involved the design of the membrane cleaning system, process building including a membrane room, and chemical treatment rooms with bulk chemical storage. Furthermore, the design included the provision of two 5-million-gallon ground storage tanks and a high service pump station.

### Relevance to Margate

- ☑ Pilot Testing
- ☑ Potable Water Treatment
- ☑ RO Membrane Treatment Process
- ☑ Pumping Systems/Plant Hydraulics
- ✓ Chemical Feed Systems
- ☑ Odor Control
- ☑ Electrical Power & Distribution
- ☑ SCADA and I&C
- ☑ Civil/Site Design/Yard Piping
- ☑ Stormwater Management
- ☑ Local/State Permitting
- ☑ EOR Services
- ☑ CEl Services
- ☑ Operational Startup & Commissioning
- ☑ Operator Training



# Florida Wastewater Treatment Project Experience

In addition to our design-build experience presented on the previous pages, AECOM has extensive experience in the planning, design, and construction of wastewater treatment plants and facilities throughout Florida. Table D-1 below showcases a sample of our team's experience and success on projects with similar elements as those listed in the City's Request for Qualifications.

Table D-1 Wastewater Treatment Project Experience	Hydraulic Modeling	AWWT/Strict Nutrient Limit Experience	Preliminary Treatment	Site Layout	Wastewater Process Modeling	Aeration System/Blowers	MBR System Design	Plant Hydraulics	Odor/Corrosion Control	UV/Chlorine Disinfection	Solids Handling	Deep Injection Wells	Electrical/Standby Power	SCADA/ I&C	Permitting /Regulatory Approval	Operations Plan/ Startup & Commissioning
Collier County NCWRF Headworks Facility, FL	•			•				•	•				•	•	•	•
Orlando Conserv I: WRF Multiple Projects,FL	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Fort Myers S. & Central AWWTF's Primary Treatment, FL		•		•	•	•		•				•	•	•	•	•
Fort Myers, Electrical System Upgrade, FL					•	•		•					•	•	•	•
St. Petersburg SW WRF Upgrades, FL		•	•	•	•			•			•		•	•	•	
Toho South Bermuda WRF Facility, FL		•		•	•	•		•					•	•	•	
Orange County East WRF Facility Phase IV-C Improvements, FL	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Orange County East WRF Phase V Improvements, FL	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Polk County NE Regional WWTP Facility Expansion, FL	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Manatee County Southwest WWTP Improvements, FL				•				•					•	•	•	
Polk County Southwest Regional WWTP Plant, FL		•			•	•		•						•	•	•
Rotonda WRF Expansion, Charlotte County Utilities, FL			•	•	•	•	•	•		•	•		•	•	•	•
Manatee County North WRF		•	•	•		•		•	•	•			•	•	•	
Homestead WWTP		•	•	•	•	•		•		•	•		•	•	•	•

# Florida Water Treatment Project Experience

In addition to our design-build experience presented on the previous pages, AECOM has extensive experience in the planning, design, and construction of water treatment plants throughout Florida. Table D-2 below showcases a sample of our team's experience and success on projects with water treatment plant improvements that could be needed at the City's water treatment facilities.

Table D-2 Water Treatment Project Experience	Potable Water Treatment	RO Membrane Treatment Process	Pumping Systems	Chemical Feed Systems/ Storage	SCADA and I&C Design	Electrical/Power Distribution	Civil Site Design/Yard Piping	Odor Control	Prestressed Concrete Water Storage Facilities	Stormwater Management	Local/State Permitting	Operational Startup and Commissioning	EOR Support Services	CEI Support Services
TECO RO WTP		•	•	•	•	•	•			•	•	•	•	
Peace River WTP Exp. Program	•		•	•	•	•	•		•	•	•	•	•	•
Davie RO WTP / WRF	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MDWASD Hialeah WTP	•			•	•	•					•		•	•
MDWASD Preston WTP	•			•	•	•					•		•	•
Hialeah RO WTP	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Marco Island RO WTP	•	•	•	•	•	•	•	•		•	•	•	•	
Oldsmar RO WTP	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pinellas County RO WTP	•	•	•	•	•	•	•		•	•	•	•	•	•
Palm Beach County WTP3	•	•	•	•	•	•	•				•		•	
Oviedo WTP	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sarasota RO WTP	•	•	•	•	•	•	•			•	•		•	
Collier County North RO WTP	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Fort Myers WTP	•	•	•	•	•	•	•	•	•	•	•	•	•	•
West Hollywood Storage Tank			•	•	•	•	•		•	•	•	•	•	•
Miramar West RO WTP	•	•	•	•	•	•		•			•	•	•	•

# 5 Project Team





# **Project Team**

The success of a design-build project depends on how closely the designer and contractor work together. Our engineering-to-construction approach places equal weight on both engineering and construction contracting.

# **Key Personnel**

We have hand-selected the right mixture of engineers, designers and construction managers to serve you and multiple projects. Key personnel biographies are shown below and additional design and construction leads are presented in Section 6. Resumes for these team members are also in our SF 330 Section 3..

Our key personnel all have extensive experience working on water and wastewater treatment plants and infrastructure projects. They are licensed to work in the State of Florida as Professional Engineers, General Contractors, or Design-Build Institute of America (DBIA) professionals.

# Scott Thibault, PE, DBIA

**Project Director** 

Scott is a collaborative, proactive design-build project director who will provide corporate support and oversight during all phases of any design build project.

Years with AECOM: 35
Total Years of Experience: 35

**Education/Credentials:** 

MS, Civil Engineering BS, Chemical Engineering Professional Engineer, FL #PE98403 DBIA Certified Professional

# **Project Director committed to the City of Margate**

Scott specializes in taking a holistic view of the commercial, technical, procurement and construction aspects of design-build to drive project success. He is a collaborative and proactive design-build project director, who brings extensive experience in the design-build implementation of water and wastewater facilities. Scott has managed the construction of design-build projects including water and wastewater treatment facility upgrades and greenfield facilities with a cumulative construction value of nearly \$1 Billion throughout the U.S. including Florida.

# Brian Stitt, PEng, CBC, DBIA

**Project Manager** 

Brian is a professional engineer, a Florida certified building contractor and a design-build professional with a proven track record of successfully completing design-build projects safely, on time, and within approved budgets.



Years with AECOM: 25 Total Years of Experience: 34

**Education/Credentials:** 

BS, Civil Engineering MS, Environmental Management Professional Engineer, Canada Certified Building Contractor, FL #CBC1261940 DBIA Certified Professional Brian is one of AECOM's leading design-build project managers and excels at *Delivering to Budget* - a skill most critical for a project's ultimate success

Brian brings 30+ years of significant design-build, engineering, procurement, construction and hard-bid construction experience coupled with experience delivering design-build projects in Florida. Brian is based in Fort Lauderdale and has experience working on design build projects such as the Town of Davie WTP and WRF projects, City of Hialeah Water Treatment Plant, City of Tampa Pump Station Rehabilitation, Miami-Dade Wastewater Consent Decree program and most recently for the City of Fort Lauderdale on multiple improvements at the G.T. Lohmeyer Wastewater Treatment Plant for odor control and other miscellaneous improvements at the plant.

# Carolyn Bonaventura, CGC, DBIA

Deputy Project Manager

As the Deputy Project Manager and Preconstruction Manager, Carolyn is available to provide backup to our Project Manager Brian Stitt, and also highly qualified and available to serve as a project manager on the City of Margate's projects. She brings expertise in design-build produrement, design and construction.



Years with AECOM: 4 Total Years of Experience: 22

**Education/Credentials:** 

MS, Civil Engineering BS, Construction Management Certified General Contractor, FL #CGC1531826 DBIA Certified Professional

# A career focused on water and wastewater project management, construction and design-build

Carolyn is an experienced general contractor and project manager on design-build projects in the water/wastewater sector and is a member of the Florida DBIA board of directors. Carolyn provides a *contractor perspective* during design and she will ensure that DBIA best practices are followed and manage the AECOM team throughout the project lifecycle. Carolyn is available to support our Project Manager Brian Stitt and also serve directly as a project manager and be an excellent asset on any City of Margate project. She will also serve as the preconstruction manager.

# **Bozho Handjiev, PE**

Design Manager

As the Design Manager, Bozho will manage the design team including managing and directing subconsultants, and coordinate with the City's key decision makers to ensure project design meets expectations. Bozho brings extensive experience in multi-discipline collaboration/checking to ensure quality and interfacing with our construction team during the project lifecycle.



Years with AECOM: 21 Total Years of Experience: 24

**Education/Credentials:** 

MS, Environmental Engineer Professional Engineer, FL #67573

# Design Manager with extensive experience including many water and wastewater treatment projects in Florida

As the Design Manager and project engineer, Bozho has nearly 25 years of experience and has been involved in a wide variety of water, wastewater and reclaimed water projects for municipal clients in Florida. He has experience in process design as well as hydraulic modeling. He is well versed in the hydraulic modeling program WaterCAD and SewerCAD. In addition, he has prepared a number of Industrial WWTP and NPDES permits.

# Richard Ulkus, CGC

Construction Manager

As the Construction Manager, Rich will provide oversight of every step of the preconstruction and construction process for any project assigned under the City of Margate's contract, from planning to completion—collaborating with the design and pre-construction teams for constructability and value engineering.



Years with AECOM: 37
Total Years of Experience: 50+

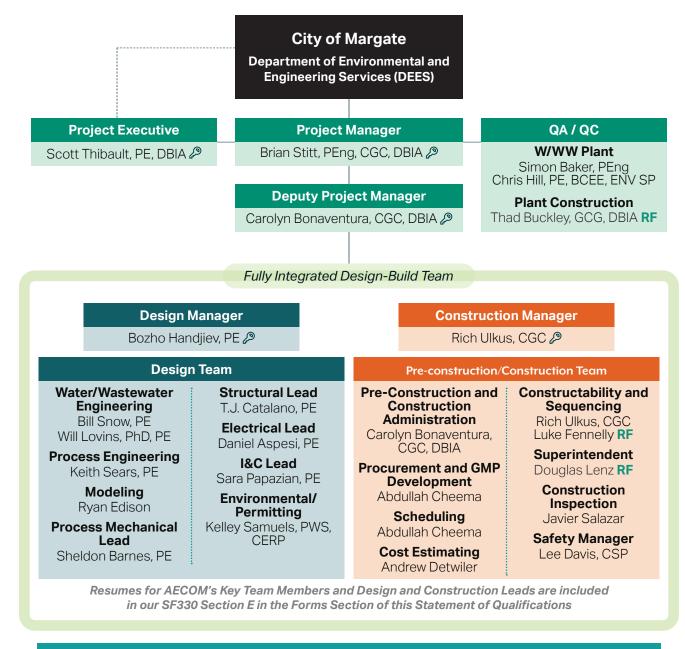
**Education/Credentials:** 

AAS, Civil Engineering Technology Certified General Contractor, FL #CGC1523061 FDEP Qualified Stormwater Management Inspector

# Construction Manager with extensive Florida construction experience including multiple design-build projects

Rich has 50 years of experience in the construction of a wide range of water and wastewater treatment projects, treatment plant construction and commissioning. He brings alternate delivery experience having worked on both traditional designbuild and progressive design-build projects throughout Florida. Rich is also a certified general contractor in Florida and will provide the licensure for this project. He will also work alongside RFES to ensure quality control and safety meet high expectations.

Figure 5-1. AECOM Team Organization Chart



# Specialty Discipline Support Available to Work with the City

**Structural Support** Michael Coughlin, PE

**Electrical Support** Steve Bazor, PE

**I&C Support** Bill Overbeek, PE Process Mechanical Support

Dustin Yurk

**Landscape Architect**Mike Brown

**Permitting Support** Zein Hayek, PE, Assoc. DBIA HVAC

Ed Chaviano, PE Johandry Franco

Hydrogeology, Water Quality, Wells

Michael Bennett, PG

Architectural

Miguel Sanchez, RA

Surveying

Subconsultant as needed

Geotechnical

Subconsultant as needed

= Key Personnel

All personnel are AECOM unless designated otherwise

RF = RF Environmental Services, Inc.

# 6 Personnel Assigned



# Personnel Assigned

AECOM prioritizes engaging individuals with the appropriate technical expertise and experience so that the City receives outstanding service. Our project team combines nationally recognized expertise with a strong local presence. We've assembled a skilled team ready to efficiently execute the services required for your projects.

Name, Role, Years of Experience	Project Experience	Benefit to Margate				
Key Team Members						
Scott Thibault, PE, DBIA Project Director Firm: AECOM 35 years of experience	<ul> <li>Tampa Pump Stations Design-Build</li> <li>Newport WPCF Design-Build</li> <li>Newport Lawton and Station No. 1 WTP Design-Build</li> </ul>	Scott's extensive experience in design build allows him to have a holistic approach to quality and technical excellence.				
Brian Stitt, PEng, CBC, DBIA Project Manager Firm: AECOM 34 years of experience	<ul><li>Tampa Pump Stations Design-Build</li><li>Davie WRF and WTP Design-Build</li><li>Orlando Conserv 1 WRF Design-Build</li></ul>	Brian is an excellent project manager that specializes in design-build water and wastewater treatment plants and the ability to run multiple projects and phases at once				
Carolyn Bonaventura, CGC, DBIA Deputy Project Manager  Firm: AECOM 22 years of experience	<ul> <li>Tampa Pump Stations Design-Build</li> <li>Orlando Conserv 1 WRF Design-Build</li> <li>LaSalle Drainage Improvements Design-Build</li> </ul>	Carolyn will be Brian's right hand person to assist in the day-to-day operations of each project and to manage any projects as necessary.				
Bozho Handjiev, PE Design Manager Firm: AECOM 24 years of experience	<ul><li>Tampa Pump Stations Design-Build</li><li>Orlando Conserv 1 WRF Design-Build</li><li>Parkway WRF CMAR</li></ul>	Bozho's experience as a design manager allows him to understand how to blend the technical approach with collaborative approach with the construction team.				
Rich Ulkus, CGC Construction Manager Firm: AECOM 50+ years of experience	<ul><li>Tampa Pump Stations Design-Build</li><li>Hialeah RO WTP Design-Build</li><li>Davie WRF and WTP Design-Build</li></ul>	50 years of construction experience allows Rich to ensure the projects meet schedule, budget, quality and safety expectations.				
Quality Control						
Simon Baker, PEng QA/QC – Water/Wastewater Plant  Firm: AECOM 34 years of experience	<ul><li>East County AWPF Progressive Design-Build</li><li>Salt Lake City WRF CMAR</li><li>Honolulu Santa Island WWTP</li></ul>	As AECOM's national wastewater treatment subject matter expert, Simon will ensure our projects meet technical expectations.				
Chris Hill, PE, BCEE QA/QC – Water/Wastewater Plant Firm: AECOM 32 years of experience	<ul> <li>Santa Cruz Graham Hill Water Treatment Plant Improvements Design-Build</li> <li>Peace River/Manasota RWSA Water Supply Authority Partially-Treated Surface Water ASR</li> </ul>	As AECOM's national water treatment subject matter expert, Chris will ensure that our projects meet technical expectations.				
Thaddeus Buckley, CGC, DBIA QA/QC – Plant Construction  Firm: RF Environmental 20+ years of experience	<ul> <li>North Regional WWTP Reclaimed Water Plant Expansion, Broward County</li> <li>City of Pembroke Pines WTP Improvements</li> </ul>	As owner of RFES, Thaddeus will ensure that the construction operations meet quality expectations for installation and startup/commissioning of each project.				

Name, Role, Years of Experience	Project Experience	Benefit to Margate	
Design Team Leads			
Bill Snow, PE W/WW Engineering Firm: AECOM 50+ years of experience	<ul> <li>Davie WRF and WTP Design-Build</li> <li>Hialeah New Brackish RO WTP Design-Build-Operate</li> <li>Miramar Florida West NF and RO WTP</li> </ul>	Bill brings 50 years of experience and extensive knowledge in water treatment and supply project engineering with private and municipal clients throughout Florida.	
Will Lovins, PhD, PE W/WW Engineering  Firm: AECOM 29 years of experience	/WW Engineering Station Reclaimed WTF Davie WRF and WTP Design-Build Uisland RO WTP Design Build Operate		
Keith Sears, PE Process Engineering  Firm: AECOM 28 years of experience	<ul> <li>City of Fort Myers, Primary Treatment and Digester Blower Improvements</li> <li>Orlando Conserv 1 WRF Design-Build</li> <li>Salt Lake City WFR CMAR</li> </ul>	Keith blends technical process engineering experience with modeling expertise to ensure that process designs will meet project expectations.	
Ryan Edison Modeling Firm: AECOM 27 years of experience	<ul> <li>Stockton Regional WWCF Progressive Design-Build</li> <li>Austin Walnut Creek WWTP Expansion</li> <li>Toronto Ashbridges Bay WWTP</li> </ul>	Ryan will work with Keith and other technical experts to model various scenarios and designs in order to select the most appropriate for your projects.	
Sheldon Barnes, PE Process Mechanical Lead Firm: AECOM 23 years of experience	<ul> <li>Davie WRF and WTP Design-Build</li> <li>Miami-Dade WASD Wastewater</li> <li>Systems Priority Projects Program</li> <li>Hollywood Pump and Lift Station</li> <li>Conversions</li> </ul>	Sheldon's design-build experience allows him to work seamless with construction teams to ensure a functional system.	
T.J. Catalano, PE Structural Lead Firm: AECOM 18 years of experience	<ul> <li>East County AWPF Progressive Design-Build</li> <li>Davis WWTP Upgrades Design-Build</li> <li>Stockton Regional WWCF Progressive Design-Build</li> </ul>	TJ works closely with other design disciplines to monitor existing structures and design new structures, while also coordinating with the construction team to ensure the design will meet budget.	
Daniel Aspesi, PE Electrical Lead Firm: AECOM 18 years of experience	<ul> <li>Davis WWTP Upgrades Design-Build</li> <li>East Providence WW System         Improvements Design-Build     </li> <li>Newport Lawton and Station No. 1         Water Treatment Plants Design-Build     </li> </ul>	Electrical considerations are critical for your projects, no matter the scope of work. Daniel will ensure that the electrical design and installation will tie into your existing electrical systems.	
Sarah Papazian, PE I&C Lead Firm: AECOM 17 years of experience	<ul> <li>Davie WRF and WTP Design-Build</li> <li>Newport Lawton Valley WTP Design-Build</li> <li>Davis WWTP Upgrade - Design-Build</li> </ul>	Sarah will ensure that anything that interacts with existing I&C/SCADA systems will be coordinated with the construction team and the City's operators.	
Kelley Samuels, PWS, CERP Environmental/Permitting Firm: AECOM 30 years of experience	<ul> <li>Madeira Beach Forcemain Replacement Environmental Permitting</li> <li>Collier, Miami-Dade and Monroe Counties Big Cypress Preserve</li> <li>Orange and Seminole Counties Altamonte Reclaimed Water Main</li> </ul>	Kelly will ensure that the project site design will not impact the environment, and will assist in permitting.	

Name, Role, Years of Experience	Project Experience	Benefit to Margate
Pre-Construction/Construction Team		
Carolyn Bonaventura, CGC, DBIA Pre-Construction and Construction Administration Firm: AECOM 22 years of experience	<ul> <li>Tampa Pump Stations Design-Build</li> <li>LaSalle Drainage Improvements         Design-Build     </li> <li>Orlando Conserv 1 WRF Design-Build</li> </ul>	As a project manager, Carolyn learned the importance of a competent and accurate preconstruction process, estimate and schedule and will apply these principles to your projects.
Abdullah Cheema Procurement and GMP Development; Scheduling Firm: AECOM 5 years of experience	Abdullah brings experience in construction project controls including scheduling, estimating, procurement and subconsultant coordination.	
Andrew Detwiler Cost Estimating Firm: AECOM 30 years of experience	<ul> <li>Hampton Roads Sanitation District, SWIFT Program</li> <li>Clarksville Ringgold Road Wastewater Improvements,</li> </ul>	Andrew is a construction professional with extensive experience in construction estimating on projects with dollar values less than \$1M to over \$1.5B in an assortment of delivery methods.
Rich Ulkus, CGC Constructability and Sequencing  Firm: AECOM 50+ years of experience	<ul><li>Tampa Pump Stations Design-Build</li><li>Hialeah RO WTP Design-Build</li><li>Davie WRF and WTP Design-Build</li></ul>	50 years of construction experience allows Rich to ensure the projects meet schedule, budget, quality and safety expectations.
Luke Fennelly Constructability and Sequencing  Firm: RF Environmental 14 years of experience	<ul> <li>Boca Raton Pressure Filter System and Membrane Bioreactor System</li> <li>Broward County Potable Water, Heavy Civil, Switchgear Upgrade</li> </ul>	Luke is experienced in scheduling, procurement, cost control, site logistics, active bidding, subcontractor management, and site surveying of heavy civil and wastewater projects.
Douglas Lenz Superintendent  Firm: RF Environmental 40+ years of experience	<ul> <li>Fort. Lauderdale WW Re-Pump Stations A,B, &amp; E Rehabilitation</li> <li>SDWWTP (Black Point) Chlorine Contact Tanks 5-9, Miami FL</li> </ul>	Doug is dedicated to delivering quality finished products within budget. He is experienced in building and dewatering permits and scheduling of inspections.
Javier Salazar Construction Inspection  Firm: AECOM 15 years of experience	<ul> <li>Fort Myers South and Central AWWTF Primary Treatment and Digester Blower Improvements</li> <li>Miami-Dade WASD John E. Preston Water Treatment Plant - 72" Water Main CEI Services</li> </ul>	Javier understands the importance of a robust QA/QC program and will work with RF Environmental and our subcontractors to ensure what's being built is per contact documents, regulatory codes and client expectations.
Lee Davis, CSP, ASP, CIT, OHST, CHST, STSC Safety Manager Firm: AECOM 32 years of experience	<ul> <li>USACE Mobile Water Quality         Compliance Assessment, Dover AFB</li> <li>Scotland County, Rehabilitation of Three         Elevated Water Storage Tanks</li> <li>Disaster Recovery Efforts in Florida,         USVI, South Carolina, and Puerto Rico.</li> </ul>	Lee has extensive experience in the health, safety, and environment management, He has lead safety programs for many projects across the U.S.

# Professional Registration



# **Professional Registration**

AECOM and our key subcontractor RF Environmental Services are authorized to do business in the State of Florida. Both firms carry multiple Florida contractor licenses and AECOM and many staff members hold the appropriate Florida engineering licenses. In addition, AECOM Technical Services has a bonding capacity in excess of \$200 million.

# Certificate of Authorization - AECOM Technical Services Inc.

# State of Florida Department of State

I certify from the records of this office that AECOM TECHNICAL SERVICES, INC. is a California corporation authorized to transact business in the State of Florida, qualified on August 21, 1995.

The document number of this corporation is F95000004014.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on February 7, 2025, 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 Eleventh day of February, 2025



Secretary of State

Tracking Number: 0927899691CU

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

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

# Certificate of Authorization - RF Environmental Services Inc.

# State of Florida Department of State

I certify from the records of this office that RF ENVIRONMENTAL SERVICES, INC. is a corporation organized under the laws of the State of Florida, filed on January 28, 2016, effective January 27, 2016.

The document number of this corporation is P16000009528.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on February 14, 2024, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of February, 2024



Secretary of State

Tracking Number: 5698487124CC

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

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

# Florida Licenses - AECOM Technical Services Inc.









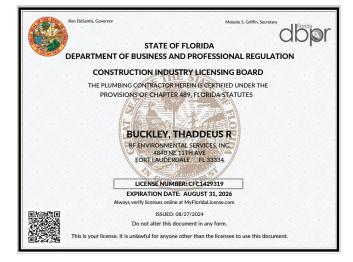


Individual AECOM staff member engineering licenses are available if needed or upon request.

# Florida Licenses - RF Environmental Services Inc.









# Project Management



# **Project Management**

The AECOM team delivers innovative solutions designed to optimize project schedules, minimize operational disruptions, and meet budget constraints. By combining deep expertise in facility operations with a keen understanding of City and stakeholder expectations, we provide strategic, forward-thinking approaches that drive efficiency and long-term success.

# **Approach Philosophy for Design-Build**

With a successful track record of over \$2 billion in water and waster design-build projects in the last 20 years, AECOM brings a wealth of expertise, and an 80% repeat client rate. Our extensive experience in water treatment, wastewater treatment, and all related utility projects, allows us to use our breadth of knowledge to become your go-to and preferred design-build team

As pioneers in design-build methodologies, our team has helped shape industry best practices through contributions to organizations such as the Design-Build Institute of America and the Water Collaborative Delivery Association.

Our team brings a fresh perspective with innovative ideas that can improve schedule, minimize operational impacts during construction, and provide technically solid, cost-effective solutions.

AECOM is committed to a progressive design-build philosophy that prioritizes client service, collaboration, and high-quality outcomes. As the City's single point of contact, Brian Stitt will oversee all project matters, ensuring a holistic, integrated approach to design and construction. Our approach seamlessly unites design and construction teams from the outset, fostering real-time collaboration. We will actively engage City engineering and operations personnel in targeted Value Engineering (VE) and alternative approach workshops, ensuring the most efficient, cost-effective solutions. By maintaining continuous communication between designers, construction estimators, and project managers, we align key design decisions with pricing, integrating VE insights to empower the City with strategic, value-driven choices.

# **Approach to Awarded Projects**

We have organized our team as an engineering-led design-build team to provide innovative, value-based solutions with strong attention to public relations and close interface with the City's departments that will be impacted by any of the projects. Our key captured construction partner, RF Environmental Services, Inc. (RFES) brings local self-performance capabilities and a high level of customer service to the City's projects. We approach each project in an organized way to ensure the client preferences and requirements are met during design and carried on through construction.

Once a project is issued to our team, we will lead the design and GMP development in close collaboration with the City staff. These individuals are well-versed on design-build delivery, and will monitor the estimate, schedule, procurement, and project planning. AECOM and RFES will work with the City's operations staff to ensure the design includes optimized scope definition, constructability, propose efficient means and methods, and coordination of the continued operations plans of your facilities. Our goal is to minimize impact to your operations, end users, ratepayers and stakeholders.

# Cost Model and Guaranteed Maximum Price (GMP) Development

Design and construction staff will work together using an open book GMP methodology. This encourages collaboration and a shared sense of responsibility by defining scope and cost early. At each design milestone, workshops will be held with the project team, including the city, to assess the design, identify VE opportunities and review the estimated project costs. Pricing will be presented in an open-book, transparent manner, utilizing true industry pricing.

A true open book approach. We believe in full disclosure, including detailed price information such as price quotes, calculations, take-offs, assumptions and contingencies tied to risk register and markups associated with the GMP proposal. We will use our proprietary estimate format, master schedule, risk register and decision log as primary control tools. Our interactive estimate will allow the City to evaluate key pricing decisions in real time with vetted pricing options plugged in or pulled out to support budget and schedule analysis, allowing for decisions to be made faster and offer the city additional cost control.

## **Early Released Equipment Purchases**

Due to the post-pandemic marketplace, AECOM and RFES recommend utilizing early release packages where major materials are purchased before the design is complete. Equipment such as transformers, MCCs, generators and large valves have shown increasing lead times, and our suppliers recommend ordering as early as possible to avoid delays. AECOM is well-versed in early equipment purchases and Owner Directed Purchase (ODP) and look forward to discussing this with you after award.

## 1. Communication Plan

AECOM's communication and collaboration strategy is a critical component of project success, ensuring seamless coordination among all stakeholders throughout the project lifecycle. Our management team fosters an open and interactive working environment that includes City staff, the design-build team, and other key stakeholders. To facilitate clear, efficient, and transparent communication, **Brian Stitt will serve as the Project Manager** and primary point of contact for all critical communications with the City.

Our structured approach integrates multiple communication channels and engagement methods to enhance decision-making, improve workflow efficiency, and maintain project alignment. The key elements of this plan include:

### **Stakeholder Engagement and Meeting Framework**

- Project Kickoff Meetings: Establishing clear project objectives, roles, and responsibilities to align all stakeholders from the outset.
- Collaborative Data Gathering and Workshops: Conducting multiple face-to-face workshops for joint data collection and interpretation, ensuring design criteria incorporate all preferences and constraints. These sessions enable informed decision-making by developing optimal solutions.
- Weekly Coordination Meetings: Providing regular project status updates, soliciting feedback from the City, and addressing key decisions required to maintain design progress.

## **Leadership and Executive Meetings**

- Leadership Meetings: Engaging City operations staff and stakeholders throughout the design, construction, and startup phases. These meetings will be frequent and initiated early, as design decisions significantly impact cost and operational considerations.
- Executive Meetings: High-level discussions between the
   City and key stakeholders to facilitate early corrective actions,
   maintain transparency, strengthen team dynamics, and
   optimize resource allocation.
- Reporting Mechanisms: Delivering monthly status reports to maintain transparency and accountability across all project phases.

By implementing this comprehensive communication and collaboration plan, AECOM ensures proactive engagement, structured decision-making, and a collaborative approach that drives project success.

# 2. Decision-Making and Owner's Integration

At AECOM, we prioritize seamless collaboration, ensuring the City and its staff are fully integrated into every phase of the project. Establishing a high level of trust from the outset is essential to unlocking creative and innovative solutions during both design and construction. Our approach is built on listening first, exploring creative options, and delivering value-based solutions that align with the City's vision.

With our extensive experience working in these types of facilities, we will learn your project scope quickly and obtain a deep understanding of the City's operations and critical priorities. This insight allows us to foster a working environment that encourages proactive decision-making and shared success. While in-person workshops with all stakeholders have traditionally been the foundation of our methodology, we recognize the shift toward remote collaboration and will incorporate a variety of tools—including video conferencing—to maintain strong engagement. However, we maintain a strong preference for face-to-face meetings to enhance collaboration.

Brian Stitt, Project Manager, and Carolyn Bonaventura, Pre-Construction Manager, are committed to fostering a strong business partnership from day one. Through multiple, highly focused workshops, we will optimize the City's goals and vision, ensuring a successful and unified project direction. These workshops—along with real-time, dynamic cost estimating—will continuously balance design development with construction costs, providing ongoing feedback and eliminating unexpected costs at the GMP stage.

To enhance transparency and trust, AECOM employs an openbook pricing model, detailing all labor, material, equipment, and indirect costs. We believe in full disclosure, providing:

- Detailed pricing breakdowns including quotes, calculations, take-offs, and assumptions
- Risk management transparency contingencies tied to a structured risk register
- Clear cost markups ensuring complete visibility into our GMP proposal

## **Key Decision-Making Strategies**

- Structured Decision Hierarchy: Clearly defining roles among the owner, design-build team, and subcontractors to ensure accountability and efficiency. This structure enables faster decision-making and ensures that every stakeholder is aligned with the project's priorities.
- Owner's Representation: Appointing a designated owner representative for continuous engagement throughout the project. This representative will act as a central point of communication, ensuring the City's interests are consistently represented and prioritized.
- Integrated Design Reviews: Hosting targeted workshops at key milestones to incorporate feedback. These interactive sessions provide an opportunity to resolve potential issues early, minimizing costly design changes later in the process.
- Approval Matrix: Implementing a streamlined approval process to prevent delays and maintain efficiency. By mapping out decision thresholds and required approvals, we expedite workflows while maintaining necessary checks and balances.

This structured and collaborative approach ensures that the City remains at the heart of decision-making, driving the project's success while maintaining full control over cost, quality, and execution.

# 3. Risk Management Plan

At AECOM, our risk management approach is rooted in proactive communication and strategic mitigation. From the outset, risk discussions begin during contract negotiations, ensuring that each risk is allocated to the most suitable party. To establish a clear and structured process, we propose an early risk assessment workshop, where risks are identified, assigned within a comprehensive risk register, and paired with mitigation strategies for continuous monitoring and effective management.

The project risk register serves as a dynamic tool, summarizing key risk elements and equipping the team with real-time insights for effective risk mitigation. By implementing risk rankings, we prioritize critical risks and develop targeted solutions. This register will be continuously expanded and refined throughout the project, starting from contract negotiations and the initial risk workshop.

Our project management team actively monitors and reviews potential risks throughout execution. Risk management is a standing agenda item in each monthly progress meeting with the City, ensuring ongoing evaluation and adaptation. Following each meeting, the risk log is updated to reflect new developments—adding new risks, closing out resolved items, and refining action plans as necessary.

For enhanced oversight, AECOM will develop discrete Risk Registers for all the awarded projects, ensuring tailored risk strategies for each location.

### **Key Risk Management Strategies**

- Risk Identification: Conducted at project kickoff meeting to systematically assess and document potential risks. These workshops establish a structured risk framework, ensuring all stakeholders are aligned on risk ownership and mitigation measures.
- Risk Mitigation Strategies: Prioritizing risks based on impact and likelihood, with predefined mitigation plans. This proactive approach minimizes disruptions and enhances project resilience by addressing high-priority risks early.
- Contingency Planning: Allocating contingency funds for unforeseen challenges to maintain financial stability. A structured contingency strategy prevents cost overruns and provides flexibility to address unexpected developments.
- Continuous Monitoring: Regular risk assessment updates at key project phases to ensure adaptive risk management. Risk logs and mitigation plans are reviewed and adjusted to align with evolving project conditions, ensuring ongoing risk control.

By embedding risk management into every phase of the project, AECOM ensures a disciplined, transparent, and adaptive approach—minimizing uncertainties and safeguarding project success.

### **Conflict Resolution Strategies**

- Early Conflict Detection: Monitoring warning signs through stakeholder feedback.
- Structured Resolution Path: Encouraging stepwise escalation from site supervisors to senior management.
- Mediation: Utilizing neutral third-party mediators if internal resolution fails.
- Documentation: Maintaining thorough records of disputes and resolutions for future reference.

# 4. Coordination with Permitting and Regulatory Agencies

AECOM prioritizes proactive regulatory compliance to ensure seamless project execution while meeting all municipal, state, and federal requirements. Our structured approach minimizes delays, enhances transparency, and fosters strong collaboration with regulatory bodies.

## **Key Compliance and Permitting Strategies**

- Regulatory Compliance Checks: Engaging legal and compliance teams early to identify regulatory requirements and mitigate potential risks. We maintain strong relationships with the personnel for the SFWMD, the local FDEP coordinators and local municipalities and will strive to ensure seamless permitting for each assigned project.
- Permitting Roadmap: Developing a clear, milestone-driven timeline for obtaining necessary permits and approvals, ensuring no disruptions to the project schedule.
- Regular Coordination Meetings: Conducting scheduled engagements with municipalities and regulatory bodies to maintain alignment, address concerns, and expedite approvals.

## **Comprehensive Compliance Management**

- Early Engagement & Risk Mitigation: Our team proactively collaborates with regulatory authorities during the early stages of project planning to identify potential compliance challenges, streamline the approval process, and integrate regulatory requirements into project design.
- Permit Acquisition and Tracking: A detailed permitting
  matrix will be developed to track application statuses,
  submission deadlines, and approval timelines, ensuring all
  compliance obligations are met without impacting the project
  schedule.
- Regulatory Communication and Reporting: We maintain open communication with oversight agencies and provide regular compliance reports to document adherence to regulations, project commitments, and evolving requirements.

By aligning regulatory strategy with project objectives, engaging key stakeholders, and leveraging structured compliance frameworks, AECOM ensures a smooth permitting process, risk reduction, and regulatory excellence throughout the project lifecycle.

# 5. Schedule and Budget Management

AECOM understands that precise scheduling and budget management are critical to the success of this project. Our team is committed to delivering a realistic, proactive, and adaptable project plan that aligns with the City's operational needs, funding availability, and regulatory requirements. Our scheduling approach prioritizes cost efficiency, risk mitigation, and seamless execution, ensuring all project phases remain on track and within budget.

## **Integrated Project Scheduling Approach**

AECOM utilizes Oracle's Primavera P6 or Microsoft Project as a dynamic planning and management tool, ensuring the project schedule is not just a contractual obligation but a proactive execution strategy. Our scheduling process is structured into three levels:

## - Level 1 - Milestone Planning:

- 1. Establishes major project milestones such as GMP approval, permitting deadlines, key construction phases, major equipment deliveries, system start-up, and commissioning.
- 2. These dates will be reviewed and finalized with the City during the kickoff meeting, forming the foundation for all subsequent scheduling decisions.

### - Level 2 - Execution Schedule:

- 1. Covers permitting, design reviews, procurement, construction sequencing, system testing, and commissioning.
- A dedicated start-up and testing sequence will be incorporated early in preconstruction to ensure sufficient time for thorough system testing, operator training, and commissioning.

### - Level 3 - Granular Scheduling and Tracking:

- 1. Detailed sub-schedules will be developed for:
  - Design and permitting phases
  - Three-week look-ahead schedules for field teams
  - Daily progress tracking and reporting
  - Procurement tracking for critical materials and equipment
  - Testing, start-up, and commissioning sequencing
  - Operator training schedules

### **Budget Control and Financial Forecasting**

AECOM employs a data-driven approach to budget management, ensuring cost control and financial transparency throughout the project. Our financial forecasting process includes:

- Baseline Budget Development: Establishing a work breakdown structure (WBS) to align project costs with schedule milestones.
- Real-Time Cost Monitoring: Utilizing Earned Value
   Management (EVM) to track budget performance against project progress.

- Change Management System: Implementing a structured process for evaluating and approving change orders, preventing budget overruns.
- Monthly Budget Reviews: Conducting detailed financial analyses to align expenditures with funding availability and project progression.
- Contingency Planning: Establishing reserve funds for unforeseen conditions, ensuring financial flexibility without disrupting the schedule.
- Continuous Risk Monitoring: Monthly risk assessment updates, ensuring timely adjustments to schedule and budget allocations.

## **Optimized Procurement and Resource Allocation**

AECOM's procurement strategy prioritizes early acquisition of long-lead materials and critical equipment to prevent delays. Our procurement tracking system includes:

- Vendor Coordination: Ensuring timely material and equipment delivery through proactive supplier engagement.
- Real-Time Procurement Monitoring: Tracking manufacturing, delivery schedules, and on-site inventory to prevent supply chain disruptions.
- Cost-Saving Procurement Methods: Exploring bulk purchasing, alternate suppliers, and value engineering to reduce material costs. Alternately, we can discuss project phasing and can consider early procurement during design to account for increasing lead times for equipment.

### **Key Benefits of AECOM Project Controls Approach**

- **On-Time, On-Budget Delivery:** Proactive planning ensures schedule adherence and cost control at every phase.
- Full Financial Transparency: Open-book pricing structure provides detailed cost breakdowns, including labor, materials, contingencies, and markups.
- Increased Quality: Our project controls program and tools ensure that both and design quality meet requirements and the City's needs. This will eliminate rework, startup issues, and ensure a happy end-user.
- Technology-Driven Efficiency: Real-time tracking and digital collaboration minimize administrative delays and optimize budget allocation.

By leveraging a proactive, technology-driven approach, AECOM ensures that scheduling and budget management remain aligned with project goals, funding constraints, and regulatory requirements, ultimately delivering a cost-effective, timely, and high-quality solution for the City.

## 6. Jobsite Safety Approach

At AECOM and RF Environmental Services, jobsite safety is our highest priority. Our team's commitment to safety begins before project award and extends throughout design, construction, and long-term operations. By embedding safety into every phase, we ensure that all decisions prioritize risk mitigation, regulatory compliance, and workforce protection.

### **Proactive Safety Strategies**

- Mandatory Safety Training: Comprehensive orientation and regular orations to reinforce best practices.
- Routine Safety Inspections: Continuous jobsite safety audits to ensure compliance and identify potential hazards.
- **Emergency Preparedness:** Clearly defined emergency response plans regularly reviewed and communicated.
- **PPE Compliance:** Strict enforcement of personal protective equipment (PPE) requirements for all personnel.

## **Structured Safety Program**

Recognizing that every project has unique risks, our approach is strategic, proactive, and team-driven. By fostering a culture of awareness, accountability, and continuous improvement, we minimize incidents and enhance workplace safety.

- Premobilization Safe Start Planning: Conducts a comprehensive safety review, including risk assessments, staffing plans, and site utilization strategies. Engages key stakeholders to align safety expectations before work begins.
- Mobilization Safety Orientation and Training: An
  interactive, web-based platform outlining jobsite safety
  protocols and expectations. On site orientation conducted
  by safety managers upon mobilization, covering evacuation
  procedures, site-specific risks, and client safety requirements.
- Execution Ongoing Safety Oversight: Daily Work Plan (DWP) aligns crews on daily tasks, associated risks, and mitigation strategies. Regular safety audits with projectspecific safety evaluations at all organizational levels. Field leadership actively engages with trade workers to observe behaviors, identify risks, and implement corrective actions.

AECOM's industry-leading safety performance is reflected in our dedication to risk reduction, compliance, and workforce well-being. By integrating advanced safety analytics, real-time reporting, and leadership engagement, we foster an environment where every team member returns home safely each day.

## **AECOM and RFES Safety Ratings**

AECOM and RF Environmental Services prioritize safety, as shown by our low EMRs. This shared commitment minimizes risks and supports the City's goals for a successful project.

Table 8-1. Safety Ratings Below Industry Average

Three -Year EMR Ratings									
	2024	2023	2022						
AECOM Technical Services, Inc.	0.57	0.62	0.58						
RF Environmental Services, Inc.	0.84	0.83	0.84						

# 7. Quality Assurance and Quality Control (QA/QC)

AECOM is committed to delivering superior quality through a structured and proactive QA/QC approach. Quality is embedded into every phase of the project—from design and procurement to construction and commissioning—to ensure compliance with ISO 9001 standards, industry best practices, and client expectations. All subconsultants and subcontractors will adhere to AECOM's QA/QC program.

### **Key QA/QC Strategies**

- Defined QA/QC Standards: Aligning with ISO 9001 and industry-leading best practices to ensure consistency and excellence.
- Inspection and Testing Plans: Implementing structured quality checkpoints at critical project milestones.
- Third-Party Audits: Engaging independent inspectors to provide unbiased quality assessments and verification.
- Continuous Improvement: Conducting lessons learned workshops to enhance future project execution.

Figure 8-1. AECOM's QA/QC program is ISO 9001 certified and all team members will follow the standards.



### Comprehensive QA/QC Documentation includes:

- Operating logs, inspection reports, and material testing records
- Manufacturer-verified equipment installation reports
- System test results and personnel qualification records
- Daily logs, site photographs, and audit certifications

### **Phase-Specific Quality Management**

- Design Phase: AECOM's design-build expertise ensures that
  every design decision prioritizes operability, efficiency, and
  lifecycle cost-effectiveness. Our Discipline Quality Assurance
  (DQA) process, led by design team leaders, integrates
  multi-disciplinary reviews at all project milestones. This ISOcertified process includes formal signoffs to maintain design
  integrity and compliance.
- Procurement Phase: AECOM's procurement strategy
  emphasizes pre-qualification of suppliers in collaboration with
  the City. We have long-standing relationships with high-quality
  equipment manufacturers who adhere to our strict technical
  and quality requirements, reinforcing our commitment to
  delivering resilient, high-performing facilities.
- Construction Phase: To uphold construction quality, AECOM makes it certain that contractor provides real-time tracking of quality metrics, overdue items, and issue resolutions. Monthly reports offer project progress insights, risk identification, and mitigation strategies.

AECOM designs and constructs high-quality, durable facilities with over 50-year service life. Our QA/QC staff are fully empowered to enforce quality objectives, maintain thorough documentation, and provide the city with real-time QA/QC program implementation updates. By integrating advanced QA/QC methodologies, cutting-edge technology, and industry best practices, AECOM ensures superior quality, cost efficiency, and long-term facility resilience.

# 8. Maximizing Local Small Business and Minority Business Participation

AECOM has established a program that increases diversity and creates long-term value in the supply chain and in our local communities. Our policy is to include Minority, Women, Service-Disabled Veteran, LGBTQ, Small and Hub Zone owned businesses in our procurement decisions. This sourcing strategy is designed to develop valuable relationships with these companies that offers products and services that feature safety, quality and innovation at competitive prices.

AECOM's proven processes and procedures to select, award and administer all subcontracts. The AECOM team will have the overall responsibility to lead, coordinate, direct and control the subcontractors to safety accomplish their work successfully. Our Health, Safety and Environmental (HSE) manager will closely monitor the HSE performance of the subs and any lower-tier subcontractors and report to our Construction Manager. In addition, our Quality Assurance team will conduct surveillance inspection and audits of subcontractor activities.

### **Added Value Realized**

The Supplier Diversity Program increased diversity creating long-term value. Our development efforts create sustainable, diverse suppliers and subcontractors able to meet the market challenges with the best practices necessary. Our outreach plan focuses on the alignment of principles with suppliers. We have found that our commitment to the program gives us a competitive edge with customers that are subject to MBE/DBE regulations and funding requirements. We have expanded upon a shared core value of diversity and inclusion that fosters successful and mutually beneficial partnerships with our suppliers and customers.

## 9 Proof of Insurance





## **Proof of Insurance**

<b>ACORD</b> "	

#### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 03/25/2025

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).

and defined adde not define righte to the defined notice in new or duch endercomonity.					
PRODUCER Marsh Risk & Insurance Services	CONTACT NAME:	Marsh   U.S. Operations			
CA License #0437153	PHONE (A/C, No, Ext):	866-966-4664	FAX (A/C, No): 212-94	8-0533	
633 W. Fifth Street, Suite 1200	E-MAIL ADDRESS:	LosAngeles.CertRequest@marsh.com			
Los Angeles, CA 90071 Attn: LosAngeles.CertReguest@Marsh.Com		INSURER(S) AFFORDING COVERAGE		NAIC#	
CN101348564-STND-GAUE-25-26	INSURER A: ACE American Insurance Company			22667	
INSURED AECOM	INSURER B: ACE Property & Casualty Insurance Co. 20699			20699	
1999 Avenue of the Stars, Suite 2600	INSURER C : Illin	nois Union Insurance Co		27960	
Los Angeles, CA 90067	INSURER D:				
	INSURER E :				
	INSURER F:				

COVERAGES CERTIFICATE NUMBER: LOS-002383377-63 REVISION NUMBER:

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

INSR LTR		TYPE OF INSURANCE		SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s
Α	Х	COMMERCIAL GENERAL LIABILITY			HDO G48971714	04/01/2025	04/01/2026	EACH OCCURRENCE	\$ 5,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 5,000,000
								MED EXP (Any one person)	\$ 5,000
								PERSONAL & ADV INJURY	\$ 5,000,000
	GEN	L'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$ 5,000,000
	Χ	POLICY PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$ 5,000,000
		OTHER:							\$
Α	AUT	OMOBILE LIABILITY			ISA H11370494	04/01/2025	04/01/2026	COMBINED SINGLE LIMIT (Ea accident)	\$ 5,000,000
	Χ	ANY AUTO						BODILY INJURY (Per person)	\$
		OWNED SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$
		HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
									\$
В	Χ	UMBRELLA LIAB X OCCUR			XEU G46880043 008	04/01/2025	04/01/2026	EACH OCCURRENCE	\$ 5,000,000
		EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$ 5,000,000
		DED RETENTION\$							\$
Α		RKERS COMPENSATION EMPLOYERS' LIABILITY			WLR C72792300 (AOS)	04/01/2025	04/01/2026	X PER OTH-	
Α	ANY	PROPRIETOR/PARTNER/EXECUTIVE	N/A		SCF C72792312 (WI Retro)	04/01/2025	04/01/2026	E.L. EACH ACCIDENT	\$ 5,000,000
	(Mar	idatory in NH)	" ' ~					E.L. DISEASE - EA EMPLOYEE	\$ 5,000,000
		s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$ 5,000,000
С	AR	CHITECTS & ENG.			EON G21654693 005	04/01/2025	04/01/2026	Per Claim/Agg	10,000,000
	PR	OFESSIONAL LIAB.			"CLAIMS MADE"			Defense Included	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) EVIDENCE OF COVERAGE

EVIDENCE OF COVERAGE

Contractors Pollution Liability

Carrier: AIG Specialty Insurance Company, NAIC #26883

Policy #: CPL 1814870

Policy Term: 04/01/2025 - 04/01/2026

"Claims Made," Defense Included, Limit: \$5,000,000 Per Loss/Aggregate

CERTIFICATE HOLDER	CANCELLATION				
AECOM 1999 Avenue of the Stars, Ste. 2600 Los Angeles, CA 90067	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				
	Marsh Risk & Iusurauce Services				
C 4000 0040 A CORD CORDON AND A LARVE A					

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ACORD 25 (2016/03)

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AGENCY CUSTOMER ID: CN101348564

LOC #: Los Angeles

ACORD	

## ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Marsh Risk & Insurance Services		NAMED INSURED AECOM 1999 Avenue of the Stars, Suite 2600		
POLICY NUMBER		Los Angeles, CA 90067		
CARRIER	NAIC CODE	EFFECTIVE DATE:		
ADDITIONAL REMARKS				
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACC	ORD FORM.			
FORM NUMBER: 25 FORM TITLE: Certificate of Lia	ability Insura	ance		
CONTINUED FROM DESCRIPTION SECTION:				
Stop Gap is evidenced under the Workers Compensation policy in Monopolistic States.				

ACORD 101 (2008/01)

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AECOM PAGE 9-2



**Liberty Mutual Surety** 401 Plymouth Road, Suite 450 Plymouth Meeting, PA 19462-1636

February 25, 2025

City of Margate Purchasing Division City of Margate City Hall 5790 Margate Blvd, Margate Fl 33603

Re: City of Margate Design Build Continuing Services Request for Qualifications No. 2025-004

To Whom It May Concern:

This letter is to advise that Liberty Mutual Insurance Company, A.M. Best rated A XV, listed on Treasury Department Circular 570, and authorized to issue bonds in all 50 states and the District of Columbia, is the surety for AECOM Technical Services, Inc. ("AECOM").

In accordance with the RFP, this is to confirm that AECOM's bonding capacity is at least \$75 Million single, in excess of \$200 Million in the aggregate, and has the capacity and financial strength to obtain bonding for this project.

We have the utmost confidence in the integrity and ability of AECOM and believe they have the necessary financial and operational capacities to successfully complete the referenced project. We are pleased to convey our highest recommendations.

This letter is not an assumption of liability, nor is it a bid bond or a performance bond. It is issued as a bonding reference requested from us by AECOM.

Sincerely,

Liberty Mutual Insurance Company

My Hua, Attorney-In-Fact

AECOM PAGE 9-3

## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Signer Is Representing:	Signer is Representing:					
Partner - Limited General Individual Attorney-in-Fact Trustee Guardian or Conservator Other:	Partner - Limited General Individual Attorney-in-Fact Trustee Guardian or Conservator Other:					
Signer's Name:My Hua  Corporate Officer – Title(s):	Signer's Name:  Corporate Officer – Title(s):					
Capacity(ies) Claimed by Signer(s)	Signar's Nama:					
Signer(s) Other Than Named Above:						
Document Date:						
Title or Type of Document:						
Though this section is optional, completing this in fraudulent reattachment of this for <b>Description of Attached Document</b>						
Place Notary Seal Above OPTI	ONAL					
	Signature of Notary Public					
KATHY R. MAIR Notary Public - California Orange County Commission # 2355508 My Comm. Expires May 22, 2025	Lotten Main					
WITI	NESS my hand and official seal.					
I certify under PENALTY OF PERJURY under foregoing paragraph is true and correct.	r the laws of the State of California that the					
subscribed to the within instrument and acknowled in his/her/their authorized capacity(ies), and that	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.					
personally appeared My Hua [Name(s) o	Signer(s)]					
On before me,Kath						
County of Orange						
State of California )						

AECOM PAGE 9-4



#### POWER OF ATTORNEY

Liberty Mutual Insurance Company The Ohio Casualty Insurance Company West American Insurance Company

Certificate No: 8213111- 024017

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Tenzer V. Cunningham, Morgan Davis, Sokha Evans, Martha Gonzales, My Hua, Mechelle Larkin, Kathy R. Mair, Jeffrey Strassner, Marie Claire Trinidad, Brenda Wong
all of the city of Los Angeles state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.
IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 10th day of February , 2025 .

State of PENNSYLVANIA County of MONTGOMERY ss

nd/or Power of Attorney (POA) verification inquiries, 610-832-8240 or email HOSUR@libertymutual.com. On this 10th day of February , 2025 before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

INSI

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



INS

Commonwealth of Pennsylvania - Notary Seal Teresa Pastella, Notary Public Montgomery County My commission expires March 28, 2029 Commission number 1126044

Liberty Mutual Insurance Company

The Ohio Casualty Insurance Company West American Insurance Company

Nathan J. Zangerle, Assistant Secretary

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all bond ar undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full For bon please power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Nathan J. Zangerle, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Chio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the spals of said Companies this







Renee C. Llewellyn, Assistant Secretary

LMS-12873 LMIC OCIC WAIC Multi Co 02/24

## 10 - 21 Required Forms



## OFFEROR'S CERTIFICATION CITY RFQ NO. 2025-004

## WHEN OFFER IS A CORPORATION

IN WITNESS WHEREOF, the Offer March , 2025	or hereto has executed this Proposal Form this 10th day of
marck ,2023	AECOM Technical Services, Inc.
	Printed Name of Corporation
	California
	Printed State of Incorporation
(CODDODATE SEAL)	By: Scott K. Thetaelt
(CORPORATE SEAL)	Signature of President or other authorized officer
ATTECT.	Scott Thibault, PE - Senior Vice President Printed
ATTEST:	Name of President or other authorized officer
By	300 South Grand Avenue, 9th Floor
Secretary	Address of Corporation
	Los Angeles, California 90071
	City/State/Zip
	213-593-8100
	Business Phone Number
State of FLORIDA	
County of DRANGE	
online notarization  Scon Mishut (Title	ocknowledged before me by means of physical presence this loady of MARCH, 2025 by (Name) of SR.VP OF AELON TELENIONE SERVICE, NO of the corporation, who is personally known to me or who has identification and who did (did not) take an oath.
WITNESS my hand and official Bankong J. LANON.	BARBARA J. LARENTE MY COMMISSION # HH 275714 EXPIRES: August 21, 2026

## OFFEROR'S QUALIFICATION STATEMENT CITY RFQ NO. 2025-004

The undersigned certifies under oath the truth and correctness of all statements and of all answers to questions made hereinafter:

SUBN	AITTED TO:	City of Mo	argate (Purchasing Manager)		
ADD	RESS:	-	gate Boulevard Florida 33063		
				<u>CIRCLE ONE</u>	
NAM ADD	NE: Scott Thiba RESS: 110 E.B	ult, PE, Senio roward Blvd,	cal Services, Inc. or Vice President , Suite 700, Fort Lauderdale, FL 33301 Los Angeles, CA	Corporation Partnership Individual Other	
	ctitious name	under which	rrect and complete name of the partner ch you do business and the address of from the State of Florida (sunbiz.org) to	of the place of bus	
The o	address of the	principal pl	or is: AECOM Technical Services, Inc. ace of business is: <b>Corporate:</b> 300 S. Gran te 700 Fort Lauderdale, FL 33301	nd Av, Los Angeles, C	A 9007′
2.	If Offeror is a	corporation	n, answer the following:		
a.	Date of Incor	poration:	09/29/1970		
b.	State of Incor	poration:	California		
c.	President's no	ıme:	Matthew Crane		
d.	Vice Presiden	nt's name:	Frank Sweet		
e.	Secretary's no	ame:	Armond Tatevossian		
f.	Treasurer's na	me:	Allison Hall		
g.			esident Agent: 200 South Pine Island Road, Plantation, FL	33324	
_					
3.			or a partnership, answer the following:		
a.	Date of orgai	nization:			

b.	Name, address and ownership units of all partners:					
C.	State whether general or limited partnership:					
4. and	If Offeror is other than an individual, corporation or partnership, describe the organization give the name and address of principals:					
5. Florid	If Offeror is operating under a fictitious name, submit evidence of compliance with the da Fictitious Name Statute.					
6.	How many years has your organization been in business under its present business name?  16+					
a.	Under what other former names has your organization operated?  Earth Tech, Inc 8/3/1995 to 11/6/2008; The Earth Technology Corporation 8/26/1991 to 8/3/1995; The Earth Technology Corporation (Western) 12/20/1983 to 8/26/1991; ERTEC Western, Inc. 1/22/1981 to 12/20/1983; Fugro U.S., Inc.9/21/1970 to 1/22/1981					
	Indicate registration, license numbers or certificate numbers for the businesses or essions which are the subject of this RFQ. Please attach certificate of competency and/or e registration.					

Florida Engineering License - No. 8115 (Mary Janet Everett, Benjamin Joseph Witmeier)

Florida Certified General Contractor - No. CGC1523061 (Richard John Ulkus)

8. Have you ever failed to complete any work awarded to you? If so, state when, where and why?

Upon knowledge and belief, formed after reasonable inquiry, within the past five (5) years, AECOM Technical Services, Inc. (ATS) (i) has not failed to complete a contract where the other party to such contract was not in breach unless the contract afforded ATS that right and (ii) ATS has not had a contract terminated by a client wherein that termination was ultimately determined to be other than for convenience.

THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATIONS STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL AND, IF AFTER THE AWARD, TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.

Scott K. Thetault

(Signature)

State of FLOR,DA
County of ORANGE

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this 27<sup>th</sup> day of MARCH, 2025 by Scott K. THIBNUT, who is personally known to me or who has

produced\_\_\_\_take an oath.

WITNESS my hand and official seal.

NOTARY PUBLIC

BARBAMA J. LAZENTE

(Name of Notary Public: Print, Stamp, or Type as Commissioned)

BARBARA J. LARENTE
MY COMMISSION # HH 275714
EXPIRES: August 21, 2026

as identification and who did (did not)



## ARCHITECT-ENGINEER QUALIFICATIONS

### PART I - CONTRACT-SPECIFIC QUALIFICATIONS

#### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

## **Design Build Continuing Services**

2. PUBLIC NOTICE DATE 3. SOLICITATION OR PROJECT NUMBER

February 7, 2025 RFQ NO. 2025-004

**B. ARCHITECT-ENGINEER POINT OF CONTACT** 

4. NAME AND TITLE

## Scott Thibault, PE, DBIA - Project Executive

5. NAME OF FIRM

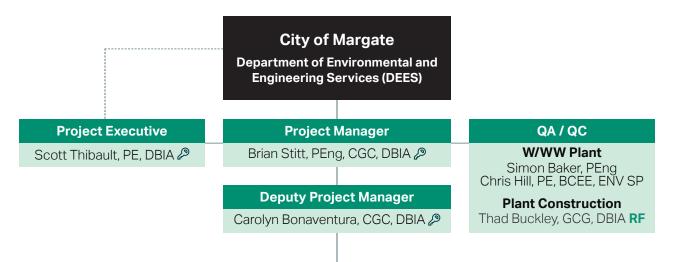
#### **AECOM Technical Services, Inc.**

6. TELEPHONE NUMBER 7. FAX NUMBER 8. E-MAIL ADDRESS 8. Cott.thibault@aecom.com

	_							
	C. PROPOSED TEAM							
	(	Chec	k)					
	PRIME	JV PARTNER	SUBCONTRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT		
				AECOM Technical Services, Inc.	110 East Broward Boulevard	Project Management, Design,		
A.	•			☑ CHECK IF BRANCH OFFICE	Suite 700 Fort Lauderdale, FL 33301	Construction Services		
				AECOM Technical Services, Inc.	7650 West Courtney	Engineering Design		
B 	CHECK IF BRANCH OFFICE		☑ CHECK IF BRANCH OFFICE	Campbell Causeway Tampa, FL 33607				
				AECOM Technical Services, Inc.	390 N. Orange Avenue	Project Management, Engineering		
C.	•			☑ CHECK IF BRANCH OFFICE	Suite 750 Orlando, FL 32801	Design		
				AECOM Technical Services, Inc.	2090 Palm Beach Lakes Boulevard	Engineering Design		
D.	•			☑ CHECK IF BRANCH OFFICE	Suite 600 West Palm Beach, FL 33409			
				AECOM Technical Services, Inc.	250 Apollo Drive	Design-Build Center of Excellence		
D.	•			☑ CHECK IF BRANCH OFFICE	Chelmsford, MA 01824	Engineering Design		
F.				RF Environmental Services, Inc.	4840 NE 11th Avenue	Construction		
				☑ CHECK IF BRANCH OFFICE	Oakland Park, FL 33334			

#### D. ORGANIZATION CHART OF PROPOSED TEAM

✓ (Attached)



#### Fully Integrated Design-Build Team

#### **Design Manager**

Bozho Handjiev, PE 🔑

### **Design Team**

#### Water/Wastewater Engineering

Bill Snow, PE Will Lovins, PhD, PE

## **Process Engineering**

Keith Sears, PE

## Modeling

Ryan Edison

Process Mechanical Lead

Sheldon Barnes, PE

## **Structural Lead**

T.J. Catalano, PE

### **Electrical Lead**

Daniel Aspesi, PE

### **I&C Lead**

Sara Papazian, PE

#### Environmental/ Permitting

Kelley Samuels, PWS, CERP

### **Construction Manager**

Rich Ulkus, CGC 🔑

#### **Pre-construction/Construction Team**

## Pre-Construction and Construction Administration

Carolyn Bonaventura, CGC, DBIA

## Procurement and GMP Development

Abdullah Cheema

#### Scheduling

Abdullah Cheema

## **Cost Estimating**

Andrew Detwiler

## Constructability and Sequencing

Rich Ulkus, CGC Luke Fennelly RF

## Superintendent

Douglas Lenz RF

#### Construction Inspection

Javier Salazar

### Safety Manager Lee Davis, CSP

Resumes for AECOM's Key Team Members and Design and Construction Leads are included in our SF330 Section E in the Forms Section of this Statement of Qualifications

#### Specialty Discipline Support Available to Work with the City

## **Structural Support**Michael Coughlin, PE

**Electrical Support** Steve Bazor, PE

**I&C Support** 

Bill Overbeek, PE

## Process Mechanical Support

**Dustin Yurk** 

Landscape Architect Mike Brown

Permitting Support Zien Hayek

#### **HVAC**

Ed Chaviano Johandry Franco

Hydrogeology, Water Quality, Wells

Michael Bennett, PG

## Architectural

Miguel Sanchez, RA

#### Surveying

Subconsultant as needed

#### Geotechnical

Subconsultant as needed

= Key Personnel

All personnel are AECOM unless designated otherwise

RF = RF Environmental Services, Inc.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
	tt Thibault, PE, DBIA Project Executive	A. TOTAL	B. WITH CURRENT FIRM
Scott Thibault, PE, DBIA		35	35

15. FIRM NAME AND LOCATION (City and State)

**AECOM** AECOM Technical Services, Inc. - Design-Build Center of Excellence, Chelmsford, MA

MS, Civil Engineering, Tufts University  Professional Engineer: MA #38808; RI #6841	
BS, Chemical Engineering, University of New Hampshire DBIA Certified Design-Build Professional	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Scott specializes in the design-build implementation of wastewater and water facilities for both the public and private sector. He is a collaborative and proactive design-build project director/manager, who brings extensive experience in the design-build implementation of water and wastewater facilities. Scott has managed the construction of over 12 treatment plant projects – with a cumulative construction value of over \$500 Million – including multiple upgrade projects that improve solids handling capabilities with the addition of new rotary drum thickeners (RDT) and rotary dewatering presses.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED		
City of Tampa Pump Station Rehabilitation Progressive Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Tampa, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**Principal-in-Charge.** Design and construction of a \$20M pump station repair and replace (R&R) program. The project is being delivered as a progressive design-build and entails the planning, design, GMP development and construction of more than 25 pump stations throughout the City.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
North County Water Reclamation Facility Headworks Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Collier County, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Principal-in-Charge.** This \$35M headworks facility is being delivered as a lump sum design-build and entails: numerous site civil works, including stormwater improvements, yard piping and landscaping. The new headworks building includes four parallel trains of 6mm rotating, inclined drum screens, HeadCell grit removal, 1mm in channel drum screens and biological odor control. Each train can pass 30 mgd for an overall headworks firm capacity of 90 mgd.

c. (1) TITL	E AND LOCATION (City and State)	(2) YEAR COMPLETED	
Newport Water Pollution Control Plant Upgrades Design-Build,		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Newport, RI		2019	2019
(3) BRIEF DE	SCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Design-Build Project Manager.** Served as the DB PM for the city's WPCP upgrades to increase the capacity of an existing activated sludge facility with ocean discharge. Upgrades to the 30-mgd wastewater facility include modifications to the secondary treatment, a new headworks facility, chemically enhanced primary treatment (CEPT), clarifier mechanism replacement, conversion to ultraviolet disinfection, and biofilter odor control. Upgrades also include improved solids handling capabilities with the addition of new rotary drum thickeners (RDT) and rotary dewatering press.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Davis Wastewater Treatment Plant Secondary and Tertiary	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Improvements Design-Build, Davis, CA	2018	2018
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Project Manager.** \$72M design-build wastewater system upgrade including new secondary, tertiary, and solids handling systems to product Title-22 reuse quality water. The new solids handling facilities consist of a dewatering building with two screw presses, two rotary drum thickeners, thickened sludge feed pumps, and a system of sludge conveyors, and a canopy covered sludge storage area.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Springfield WWTP Upgrades Design-Build-Operate, Springfield, MA	2023	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Principal-in-Charge** for upgrades at the second largest WWTF in New England. Improvements include over \$25 million of upgrades, the majority of which is associated with secondary treatment upgrades including the installation of over 24,000 diffusers, mixed liquor recycle pumping, anoxic zone mixing, and process control instrumentation systems.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
	A. TOTAL	B. WITH CURRENT FIRM	
Brian Stitt, PEng, DBIA	Project Manager	34	25

15. FIRM NAME AND LOCATION (City and State)

## AECOM Technical Services, Inc., Fort Lauderdale, FL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
9	Professional Engineer: Manitoba; British Columbia Certified Building Contractor: FL #1261940 DBIA Certified Design-Build Professional
	DDIA Cei tilled Designi-bulla Frotessional

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Brian is a Florida-based water design-build professional with the unique experience of delivering more than \$1B of design-build work. Brian has 30+ years of experience in wastewater treatment, reuse and collection projects including biosolids management. **He served as project manager on the \$112M Davie WRF and Water Treatment progressive design-build.** His project

management expertise contributed to the numerous project awards, including awards for outstanding performance in secondary wastewater treatment and project of the year for water sustainability and recycled water.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Tampa Pump Station Rehabilitation Progressive Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Tampa, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performed with current firm	

**Design-Build Project Manager.** Design and construction of a \$20M pump station repair and replace (R&R) program. The project is being delivered as a progressive design-build and entails the planning, design, GMP development and construction of more than 25 pump stations throughout the City.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
North County Water Reclamation Facility Headworks Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Collier County, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Design-Build Project Manager.** This \$35M headworks facility is being delivered as a lump sum design-build and entails numerous site civil works, including stormwater improvements, yard piping and landscaping. The new headworks building includes four parallel trains of 6mm rotating, inclined drum screens, HeadCell grit removal, 1mm in channel drum screens and biological odor control. Each train can pass 30 mgd for an overall headworks firm capacity of 90 mgd.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Town of Davie Water Reclamation Plant and Water Treatment Plant	PROFESSIONAL SERVICES CONSTRUCTION (If applicable)	
Progressive Design-Build, Davie, FL	2014 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Overall Design-Build Project Manager.** Planning, design and construction of a \$112M LPRO water treatment facility and MBR water reclamation facility. roject entailed numerous site acquisitions for the main plant, four remote well sites and pipelines, permitting, planning, design and construction of treatment facilities, supporting collection and distribution networks, two UIC deep injection wells and a new utilities administration office.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami-Dade WASD Thickening and Dewatering Facility Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Miami, FL	2020	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Senior Project Manager.** As part of the Consent Decree Program, Brian was responsible for design, permitting, procurement and construction of this \$172 million design-build project for the county. Includes two new thickening and dewatering facilities for managing all biosolids produced at the County's three WWTPs. Each facility includes sludge screening, balancing, polymer makeup, storage and feed, thickening, dewatering, and truck loadout.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami-Dade WASD North District WWTP Oxygen Trains and Oxygen	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Production Facility Design-Build, Miami, FL	2020	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Senior Project Manager.** As part of the Consent Decree Program, Brian had overall responsibility for the design, permitting, procurement and construction of this \$101M design-build project for the County. The project includes demolition and reconstruction of two cryogenic oxygen production plants, two new electrical buildings and gear, and R&R of four oxygenation tanks.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM CGC, DBIA 22 4

15. FIRM NAME AND LOCATION (City and State)

## **AECOM Technical Services, Inc.**, Orlando, FL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MS, Civil Engineering, University of Florida	Certified General Contractor: FL #CGC1531826; SC #CLB113434
BS, Construction Management, University of Florida	DBIA Designated Design-Build Professional

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Carolyn is a licensed general contractor and a Design Build Institute of America (DBIA) professional. Her background includes construction management in water/wastewater facilities, conveyance projects, solid waste and industrial facilities. Her background in collaborative delivery, including CMAR, helps in the coordination between design and construction.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
City of Tampa, Pump Station Rehabilitation Progressive Design-Build	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Program, Tampa FL:	Ongoing Ongoing		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performe	ed with current firm	

**Deputy Project Director.** This is a 5 year \$20M progressive design-build contract for the rehabilitation of 25 wastewater pump stations. Annual Step 1 (design and GMP development) and Step 2 (construction) contracts are issued for the work. Responsible for providing project management during the annual design contracts and overseeing construction for the Step 2 contracts. Also responsible for identifying, engaging potential and receiving bids WMBE subcontractors to support the construction work and overseeing work force development activities.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Collier County, NCWRF Headworks Facility, Collier County, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Construction Services.** Responsible for the constructions services oversight of a new 85-mgd headworks facility. The new headworks project is being completed as expediently as possible to minimize ongoing operational risks of the existing headworks. The work includes influent flow measurement, two-stage screening, grit removal, odor control, headworks pump station, proportional flow diversion to equalization tanks, flow distribution to treatment trains, plant electrical systems, building design and facility instrumentation system.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Orlando, Conserv 1 WRF Rehabilitation and Expansion Design-	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Build, Orlando, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Design-Build Manager.** AECOM is the design consultant under the design-build firm, Wharton-Smith Inc. Services include design, permitting and preconstruction services for substantial facility upgrades including a new headworks, expansion of the existing BNR system, two new clarifiers, new filtration system, and associated piping, electrical and I&C work. This project requires strict adherence to the City's robust MBE program, and meeting the City's limited budget.

d. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Toho Water Authority Hydrogen Sulfide Master Plan,</b> Kissimmee, FL	2022	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Construction Services Lead.** This project includes evaluating the existing hydrogen sulfide removal systems at multiple facilities, evaluate alternatives for improvements including removal technologies, and provide recommendation(s) for improvements. It will also include bidding assistance, and construction administration services related to the successful design of the improvements, construction, and commissioning will also be required.

e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
La Salle Drainage Improvements, Jacksonville, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		ongoing	ongoing
(3) E	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Construction Services Lead.** This design build project included a 117cfs pump station, 6,500 LF of stormwater piping and related electrical, structural, civil and i&C work.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT				
12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE				
			A. TOTAL	B. WITH CURRENT FIRM
	Simon Baker, PEng	QAQC - W/WW Plant	24	21

15. FIRM NAME AND LOCATION (City and State)

## **AECOM Technical Services, Inc.**, Winnipeg, MB, Canada

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
MS, Water Resources, Newcastle University	Professional Engineer: Ontario #100122486;	
BS, City University London	Saskatchewan# 15889; Manitoba #35627	
40 OTHER PROFESCIONAL CHALLED ATIONS (B. L.E. C. C. C. C. C. T. C. A. L. L. L.		

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Simon is a seasoned technical leader with extensive process engineering experience focused in the design of wastewater treatment facilities both nationally and internationally. In recent years he has been responsible for leading several owner engineer teams in the development of alternative delivery projects.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Salt Lake City, Water Reclamation Facility, Salt Lake City, UT	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	FIC ROLE  ☑ Check if project performed with current firm	

**Design Team Lead.** Led the design of the UV disinfection facility for this 48-mgd activated sludge plant. A business case evaluation was completed that compared disinfection using chlorine gas, sodium hypochlorite (both bulk delivery and on-site generation), peracetic acid, and UV. The basis of design report for the UV disinfection facility and the preliminary design are completed. Equipment pre-selection via competitive RFP is complete. Design is complete and project is under construction.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City and County of Honolulu, Sand Island WWTP MBR Secondary	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Treatment Upgrade, Honolulu, HI	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Quality Reviewer.** WWTP upgrade project, including expansion from primary treatment to MBR secondary treatment. Features of this project include the conceptual and detail design of a 20-mgd membrane system, designed to treat approximately 25 percent of the total plant flow, meeting the first stage of the requirement to meet secondary treatment standards by the year 2025. Provided senior review of preliminary and detailed designs, layouts, phasing approach, and as subject matter expert (SME) for the MBR bid submissions. Design is complete and project is under construction.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Austin Water Utility, Walnut Creek WWTP Facility Planning and	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Detailed Design, Austin, TX	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Quality Review Lead.** Led quality review of process design for the 100-mgd expansion and upgrade for the Walnut Creek WWTP. Features of this upgrade include conversion of the existing 75-mgd complete mixed activated sludge to a BNR process, and the design of a new 25-mgd train. The project includes new primary clarifiers, BNR reactors, secondary clarifiers, fermenters, sludge thickening, filtration, disinfection, and a wet weather treatment system. Responsibilities include: review of each process design submission to validate design assumptions and inputs, ascertain design risks and confirm overall design efficacy.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Capital Region Water, Harrisburg Advanced Wastewater Treatment	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Facility Biological Nutrient Removal Upgrade, Harrisburg, PA	2016	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Process Lead.** Led process engineering for the \$72M nutrient upgrades for the Harrisburg Advanced Wastewater Treatment Facility project. Project included preliminary engineering with development of whole-plant process model and detailed design services for this plant on a congested site. Main components of the design included new reactor tankage with a depth of 30 ft due to the limited space availability. AECOM provided bid package assistance and start up services as part of this project. Responsibilities included: Coordinating and leading the process design team during preliminary engineering. Project has been constructed and is operating.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Toronto, Ashbridges Bay Treatment Plant Effluent Disinfection	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
System, Toronto, Ontario	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Senior Technical Reviewer.** Quality Reviewer. Lead for quality review of process design for the expansion and upgrade of this facility from 7.5 mgd to 10 mgd. The facility will be required to meet effluent nutrient limits. Design is ongoing.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 32 2

15. FIRM NAME AND LOCATION (City and State)

## AECOM Technical Services, Inc., Tampa, FL

16. EDUCATION

BS, Chemical Engineering, Ohio University
BA, Business Administration/Management, Ohio University
BY, Chemical Engineering, Ohio University
BA, Business Administration/Management, Ohio University
BOard Certified Env. Engineer
Envision Sustainability Professional (ENV SP)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Chris brings 32 years of experience complex, multi-disciplinary project management and is uniquely qualified serve as the project manager for your project. His experience includes water supply development, process evaluation, preliminary and detailed design, cost estimating and construction management of nearly 2.5-bgd of water supply and treatment. **Chris recently served as project manager on several RO WTP expansion projects, including the Charlotte County Burnt Store RO WTP expansion and the Sarasota County Carlton WTP Upgrade.** 

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Cape Coral, Comprehensive Utilities Master Plan Update,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Cape Coral FL	2022	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performed with current firm	

**Technical Advisor.** Technical Advisor responsible for assessing the City's compliance with existing and strategy to comply with future drinking water regulations. Reviewed existing compliance monitoring data and evaluated the potential impacts of recent Lead and Copper Rule Revisions and proposed PFAS regulations on the City and its future water system needs.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Northwest Regional Water Treatment Plant, Greene County, OH.	2023	2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☐ Check if project performed with current firm	

**Technical Advisor.** Technical Advisor on this progressive design-build expansion and upgrade of a 12-mgd groundwater treatment facility. Project involves expansion of existing aeration process and addition of membrane softening. Responsibilities include assistance with final treatment process recommendations, the sequencing of decommissioning, startup of the new WTP, distribution system transition and stabilization of water quality to ensure customer satisfaction and compliance.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Sarasota County, Carlton Water Treatment Facility (WTF) Upgrade and	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Expansion, Sarasota County, FL	2018	2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performed with current firm	

**Project Manager.** Project Manager for the preliminary and detailed design of the upgrade and expansion of the 12-mgd Carlton WTF. The Carlton WTF is the largest electrodialysis reversal (EDR) facility in the U.S. Evaluated EDR upgrade and expansion alternatives, managed detailed design and construction and developed a County water system operations plan

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Venice, Reverse Osmosis WTP Odor Control System	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Replacement, Venice, FL	2016	2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☐ Check if project performed with current firm	

**Project Officer.** Project Officer for evaluation of various odor scrubber technologies at the City's RO WTP. Developed a preliminary design report and detailed design packages for the replacement of the City's existing degasifier and chemical scrubber systems with new degasifiers and a biological trickling filter at the City's Water Treatment Plant. Performed CA services.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Charlotte County, Burnt Store Reverse Osmosis (RO) Water Treatment	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Plant, Charlotte County, FL	2009	2011
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performed with current firm	

**Project Engineer.** Project Engineer for the detailed design and construction of the expansion of a 1.1-mgd groundwater RO treatment facility to 3.6-mgd. This included design review and assistance in construction administration.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Lee Davis, CSP, ASP, CIT,	Safety Director	A. TOTAL	B. WITH CURRENT FIRM
OHST, CHST, STSC		32	18
15. FIRM NAME AND LOCATION (City and State)			
A = 60 A A			

**AECOM Technical Services, Inc.**, Birmingham, AL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MS, Occupational Health, Safety and Environmental Mgmt BS, Occupational Health and Safety Management	Certified Safety Professional (CSP) - CSP-31748 Associate Safety Professional (ASP) - A17664 Certified Instructional Trainer (CIT) - CIT-14468 Occupational Hygiene Safety Technician (OHST) - 3569 Construction Health Safety Technician (CHST) - C2495 Safety Trained Supervisor Construction (STSC) - IEX00640

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Lee is a seasoned manager specializing in safety, health, and environmental management. He has extensive experience in diverse settings, from heavy industries to high-tech companies. Lee's track record includes leading disaster recovery efforts in several locations, including Florida, the U.S. Virgin Islands, South Carolina, and Puerto Rico. In these roles, he has overseen SH&E activities, coordinated closely with clients and subcontractors, and ensured the successful management of projects. His roles have ranged from direct oversight responsibilities to providing consulting services.

from direct oversight responsibilities to providing consulting services.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
US Army Corps of Engineers Mobile, REAT Pool B Compliance / Water	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Quality Compliance Assessment, Dover AFB, Delaware	2021	N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm		
<b>Manager.</b> Provided services to accomplish activities necessary to evaluate the sedimentation issue and water quality measures associated with Outfall 003 and surrounding wetlands as well as propose a solution to restore the environment to its natural state.			
b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Scotland County, Rehabilitation of Three Flevated Water Storage	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Scotland County, Rehabilitation of Three Elevated Water Storage	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Tanks, Laurinburg, NC	2016	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Safety Manager.** Participated in the project, which involved design, inspection, bidding, and construction administration for elevated tanks.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
North Carolina Department of Transportation, Roadway Planning &	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Design for Carey Road Extension, Kinston, NC	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Safety Manager. Supported planning and design efforts for this road extension project.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
North Carolina Department of Transportation, Roadway Planning &	ansportation, Roadway Planning & PROFESSIONAL SERVICES CONSTRUCT		
Design / US 158 Improvements, Forsyth and Guilford Counties, NC	2020	N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm		
Safety Manager. Participating in improvements to US-158 in Forsyth and G	uilford counties.		
e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Tennessee Department of Transportation, Transportation Planning for	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Rocky Fork State Park Access Road, Unicoi County, TN	2019	N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm		
Safety Manager. Supported planning efforts for the Rocky Fork State Park a	access road.		

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME Bozho Handjiev, PE 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 23 20

15. FIRM NAME AND LOCATION (City and State)

## **AECOM Technical Services, Inc.**, Tampa, FL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MS, Environmental Engineering	Professional Engineer: FL #67573
MS, Civil Engineering	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Bozho has 23 years of experience and has been involved in a wide variety of water, wastewater and reclaimed water projects for municipal clients. He has experience in process design as well as hydraulic modeling. He is well versed in the hydraulic modeling program WaterCAD and SewerCAD.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Manatee County, Southwest Water Reclamation Facility	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Improvements, Manatee County, FL	2015	2018
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed v	vith current firm

**Lead Process Mechanical Engineer.** Responsible for the preparation of plans and specifications for improvements to the 20-mgd facility. The works included a 105 foot clarifier and RAS/WAS pump station, conversion of traveling bridge filters to diamond cloth media filters, construction of a new 36-mgd transfer pump station and a new 30-mgd high service pump station and the addition of a new 200 kw emergency generator. The overall const of the work was \$19M.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of St Petersburg, Southwest Water Reclamation facility Yard	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Piping Improvements, St Petersburg, FL	2016	2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Lead Process Mechanical Engineer.** Responsible for the preparation of plans and specifications for improvements to the 20-mgd facility. The works included structural and mechanical improvements to the headworks, the addition of 20-mgd of new filter capacity with the installation of new disk filters, construction of a new 15-Mgal reject storage tank and construction of a new sludge dewatering facility. The overall const of the work was \$24M.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
PRASA, Fajardo Regional Wastewater treatment Plant, Puerto Rico	2004	2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Lead Process Mechanical Engineer.** Responsible for the preparation of plans and specifications for a new 9mgd, expandable to 18-mgd advanced wastewater treatment plant utilizing the 5-stage bardenpho process. The design included a new headworks, the 5-stage bardenpho process tanks and recirculation systems, tertiary disk filters and UV disinfection. Sludge was treated using lime stabilization. The overall construction cost of the work was \$60M.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Manatee County, North Water Reclamation Facility Improvements,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Manatee County, FL	2012	2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Lead Process Mechanical Engineer.** Responsible for the preparation of plans and specifications for the expansion of the 3-mgd facility to 6.5-mgd. The design included a new headworks, upgrades to the aeration system, the addition of a 3rd 105-foot clarifier and improvements to the RAS pump station, the addition of a new 6-mgd disk filter system, the addition of a second chlorine contact train and the addition of a new 2200 kw emergency generator. The cost of this project was \$28M

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Orlando, Conserv 1 WRF Rehabilitation and Expansion Design-	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Build, Orlando, FL, Richland County, SC	ongoing	ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Lead Process Mechanical Engineer.** AECOM is the design consultant under the design-build firm, Wharton-Smith Inc. Services include design, permitting and preconstruction services for substantial facility upgrades including a new headworks, expansion of the existing BNR system, two new clarifiers, new filtration system, and associated piping, electrical and I&C work. This project requires strict adherence to the City's robust MBE program, and meeting the City's limited budget.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT Construction Manager/ Constructability and Sequencing 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 50 35

15. FIRM NAME AND LOCATION (City and State)

<b>A</b> ECOM	AFCOM	Technical Services	Inc	Coral	Gahles	FI
	AEGUIVI	Technical Services	), IIIU.,	COLAL	Ganies,	. ୮ 🏻

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
AAS, Civil Engineering Technology	Certified General Contractor: FL #1523061

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Rich has five decades of experience in the construction of a wide range of vertical and horizontal projects. He brings alternative delivery experience having worked on both design-build and construction management at-risk projects throughout Florida. Rich brings extensive experience in the construction and commissioning of projects in Florida. He is a certified general contractor in the State of Florida.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	_	
City of Tampa Pump Station Rehabilitation Progressive Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Tampa, FL	Ongoing	Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm		

**Construction Manager.** Five year \$20M PDB contract for the rehabilitation of 25 wastewater pump stations. Annual Step 1 (design and GMP development) and Step 2 (construction) contracts are issued for the work. Responsible for providing construction input during the annual design contracts and overseeing construction for the Step 2 contracts. Also responsible for identifying, engaging potential and receiving bids from S/W/M/DBE subcontractors to support the construction work and overseeing work force development activities.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Town of Davie, Progressive Design-Build Wastewater and Water	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Treatment System Expansion, Davie, FL	2014	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Senior Construction Manager.** Responsible for the \$106 million design-build services for expansion of water and wastewater infrastructure systems. Two plants will share a common administration/laboratory building, electrical feed systems and standby generators.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Coral Gables, Miracle Mile Streetscape Program,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Coral Gables, FL	2018	2018
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Owners Representative/Construction Manager. Provided staff augmentation to the city's capital improvement program staff at their request to implement corrective actions on the project, and follow through with project management tasks for the balance of the project's duration in order to achieve timely project completion of this \$25 million urban improvement project. Extensive coordination between all project stakeholders and problem-solving abilities were required to achieve successful project completion.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Graham Wellfield Design-Build project, Hialeah, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Project Principle/General Contractor.** Directed project staff responsible for the design and construction of the Graham well field for the City of Hialeah's ROWTP. Project included the design, construction and startup and integration of 4 – 2000 GPM brackish water production wells into the City's WTP system and relocation of various utility lines determined to be in the way of an upcoming Turnpike intersection project in the area.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami Dade County, Wastewater Improvements Program, Miami, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Senior Construction Manager - South Waste Water Plant.** Responsible for management of construction contractors implementing various plant upgradeproject as part of Consent Decree Program. Program included wide range of projects from maintenance projects to new construction. Extensive coordination with contractor and Plant staff was required. Total program value \$1.5+ billion.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
	Water/Wastewater	A. TOTAL	B. WITH CURRENT FIRM
Bill Snow, PE	Engineering	52	16

15. FIRM NAME AND LOCATION (City and State)

AECOM AECOM Technical Services, Inc., West Palm Beach, FL

16. EDUCATION 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BS, Civil Engineering, Vanderbilt University Professional Engineer: FL #42757

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Bill brings significant design experience in the field of wastewater treatment, water supply, water treatment, pump stations, and utility operations with both private and municipal clients. His expertise includes ion exchange, reverse osmosis plants, membrane softening plants, pump stations, lime softening treatment processes, gravity sewer projects and sewer lift station projects and major watermain projects. Bill gained his experience through many years of on-site field installations and start-ups, rehabilitation projects and on-site construction review. He has also been responsible for award winning stormwater pump station projects. Duties typically include design, unit process selections, project review, supervision and training of the engineering staff and quality control of projects.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Town of Davie, Progressive Design-Build Wastewater and Water	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Treatment System Expansion, Davie, FL	2014	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Process Start-Up Engineer.** Responsible for the 8.0-mgd Reverse Osmosis plant and chemical feed systems including acid, corrosion inhibitor, antiscalant, chlorine disinfection, and lime mineralization system. Water Plant certification Engineer of Record.

b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Hialeah Reverse Osmosis WTP Pilot Testing, Design and Start-		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	Services, Hialeah, FL	2017	2017
(3) E	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Process Design Manager/Engineer of Record.** Responsible for a 12.5-mgd Reverse Osmosis Plant expandable to 20.0-mgd. Scope of services included the design of filtration pretreatment system, chemical pretreatment system and post treatment system using CO2 and Lime mineralization, a degasifier system and biofilter scrubber system, membrane cleaning system, the process building including a membrane room, chemical treatment rooms with bulk chemical storage. The design also included two 5 million gallon ground storage tanks and a high service pump station.

C.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
City of Boynton Beach, West Water Treatment Plant, Boynton Beach, FL	2013	2013	
(3)	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Project Manager/Lead Designer.** Responsible for 30% design of the 20-mgd anion raw water pre-treatment plant. Project includes anion treatment unit, bulk salt saturators, salt regeneration system, building with resin storage and electrical equipment, clearwell and four 4,700 gpm transfer pumps, and site development.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami Dade Water and Sewer Department, Preston Water Treatment	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Plant, Hialeah, FL	2016	2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Lead Design Engineer.** Responsible for the bulk sodium hypochlorite facility to replace the existing gas chlorine facility. Three new 65,000 gallon sodium hypochlorite double lined concrete storage tanks with containment, duplex transfer pumps to transfer the sodium hypochlorite to the existing day tanks at the Preston WTP and duplex transfer pumps to transfer the sodium hypochlorite to the existing day tanks at the Hialeah WTP and associated pipe trench, piping and valves.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami Dade Water and Sewer Department, Hialeah Water Treatment	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Plant,</b> Hialeah, FL	2020	2024
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Senior Design Engineer.** Responsible for the replacement of the existing lime slakers. The project consists of two new 4,000 pound per hour lime slakers fit into an existing building designed in the 1930's. The system consists of the lime slakers, two new lime slurry tanks and four lime transfer pumps, associated piping, and controls.

# E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT Water/Wastewater Engineering 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 34 28

15. FIRM NAME AND LOCATION (City and State)

## AECOM AECOM Technical Services, Inc., Orlando, FL

16. EDUCATION

PhD / MS / BS, Environmental/Environmental Health
Engineering, University of Central Florida

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Professional Engineer: FL, #58678

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Will has 28 years of experience supporting water treatment plant optimization, supply development, and design. His area of expertise is pressure driven membrane desalination processes, RO and membrane softening, including those with conventional pretreatment, coarse filtration, and chemical addition. Will served as the process design engineer for design-build WTP projects, including the Town of Davie RO WTP, and the City of Hialeah RO WTP.

## a. (1) TITLE AND LOCATION (City and State) Town of Davie, Progressive Design-Build Wastewater and Water Treatment System Expansion, Davie, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2014 2014 Check if project performed with current firm

**Technical Lead.** Responsible for preliminary ROWTP design and plant commissioning in support of developing an alternative brackish water supply and phase out of an existing lime softening facility. Scope of services comprised defining water quality and treatment goals, process selection, preparing process flow and instrumentation diagrams, equipment sizing, and site planning.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
TECO Reverse Osmosis Water Treatment Plant and 15-mile Effluent	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Force Main, Lakeland, FL	2016	2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☐ Check if project performed with current firm	

**Technical RO Process Lead.** Supported process optimization leading to the design and construction of an industrial integrated membrane system. Scope of services included pilot testing, design, and commissioning of a 5.7-mgd water treatment plant, expandable to 17-mgd. Treatment includes high-rate clarification, media filtration, and salinity reduction using a combination of reverse osmosis and membrane softening membranes.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Oldsmar, Reverse Osmosis Water Treatment Plant, Oldsmar, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	2013	N2013
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☐ Check if project performed with current firm	

**Technical Lead.** Responsible for the development of alternative potable water supply. Scope of services included pilot testing, preliminary design, final design, construction oversight, and plant start-up commissioning. The facility comprises a 3-mgd membrane treatment process with new raw water well field, reverse osmosis membrane skids, post-treatment, and storage. Adding to the benefit of protecting fresh groundwater supply, the facility is LEED certified and expandable to 4-mgd

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Hialeah Reverse Osmosis WTP Pilot Testing, Design and Start-	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
up Services, Hialeah, FL	2017	2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	□ ☑ Check if project performed with current firm	

**Technical Manager.** Responsible for developing and executing a RO water treatment pilot demonstration, design and system start-up. The system includes brackish raw water wells, chemical pretreatment, cartridge filtration, RO desalination, chemical post-treatment, storage and high service pumping. Treatment capacity is 10-mgd, expandable to 17.5-mgd future capacity. Project deliverables included pilot testing protocols and summary report, detailed design, and cost estimating for a 20-year Design-Build-Operate project delivery. Commissioning services included start-up of the RO skids, chemical feed systems, and membrane cleaning systems.

e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Peace River, Regional Water Treatment Plant Expansion, Arcadia, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2010	2010
(3)	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ ☑ Check if project performed with current firm	

**Technical Lead.** Responsible for coordinating start-up and operation of a conventional surface water treatment plant expansion. The Authority retained AECOM under an existing final design and construction contract to operate the newly constructed treatment train. Scope of services included preparing standard operating procedures, training of in-house staff, optimization of upflow solids contact clarifiers and sand filtration processes, and 24/7 plant staffing over a 4-month period.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 28 26

15. FIRM NAME AND LOCATION (City and State)

## **AECOM Technical Services, Inc.**, Winnipeg, MB, Canada

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
PhD, Environmental Health Engineering MSc, Environmental Health Engineering BSc, Civil & Environmental Engineering	Professional Engineer: FL #96147; OH #68619; TX #143993

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Keith is AECOM's North America Practice Leader for Nutrient Removal. He has over 25 years of experience specializing in the area of advanced wastewater treatment. Keith has a broad knowledge of wastewater treatment processes. His experience with design, construction, and commissioning allows him to fully assess options as a system including the resulting impacts on operations, rather than only focusing on individual unit processes..

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
City of Orlando, Conserv I Treatment Optimization and Upgrades	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Evaluation, Orlando, FL	2020	N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm	

**Process Engineer.** Responsible for the process design and evaluation of expanding Orlando's Conserv 1 WRF from 7.5-mgd to 10-mgd and ultimate expansion to 15-mgd. The facility is currently being designed to meet AWT standards 5/5/3/1 with the 30% design complete. Included in the design is new screening and grit removal, refurbished equalization, expansion of BNR treatment with a Bardenpho configuration, new blowers, clarification, filtration, and chlorination.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Salt Lake City, Water Reclamation Facility, Salt Lake City, UT	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Co-lead Liquid Stream Process Engineer.** Responsible for the liquid stream upgrade for this new 48-mgd facility. Features of the liquid stream upgrade includes a new raw water pump station, new screening and grit removal, new primary clarifiers, new BNR bioreactors, new secondary clarifiers, and new disinfection system. The current trickling filter/activated sludge process will remain operational until the new liquid stream process is brought on-line in 2025.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City and County of Honolulu, Sand Island WWTP MBR Secondary	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Treatment Upgrade, Honolulu, HI	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Senior Process Engineer.** Responsible for the WWTP upgrade, expanding it from primary treatment to MBR secondary treatment. Features of this project include the conceptual and detail design of a 20-mgd membrane system, designed to treat approximately 25 percent of the total plant flow, meeting the first stage of the requirement to meet secondary treatment standards by the year 2025. Provided senior review of preliminary designs, layouts, phasing approach, and as subject matter expert (SME) for the MBR bid submissions.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Orlando, Conserv I Treatment Optimization and Upgrades	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Evaluation, Orlando, FL	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Process Engineer.** Responsible for the process design and evaluation of expanding Orlando's Conserv 1 WRF from 7.5-mgd to 10-mgd and ultimate expansion to 15-mgd. The facility is currently being designed to meet AWT standards 5/5/3/1 with the 30% design complete. Included in the design is new screening and grit removal, refurbished equalization, expansion of BNR treatment with a Bardenpho configuration, new blowers, clarification, filtration, and chlorination.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Fort Myers, South & Central AWWTF's Primary Treatment and	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Digestor Blower Improvements, Fort Myers, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Process Design Lead.** Responsible for wastewater process modeling and design of recommended improvements for the replacement of surface aerators and mixers at the City's South and Central AWWTFs.

# E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT A. TOTAL B. WITH CURRENT FIRM Modeling 21 19

15. FIRM NAME AND LOCATION (City and State)

## AECOM Technical Services, Inc., Grand Rapids, MI

MS, Civil Engineering. University of Michigan, Ann Arbor BS, Civil and Environmental Engineering, University of Michigan, Ann Arbor

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: CT #24975

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ryan is one of AECOM's senior hydraulic engineers specializing in complex hydrodynamic modeling for analysis of bridge sour and sediment transport. He has undertaken bridge scour studies ranging from dynamic tidal environments to using 3D Computational Fluid Dynamics (CFD) modeling to evaluate complex bridge scour at piers. He has also done a number of physical bridge scour inspections for the State of Connecticut as part of a larger study to prioritize the State's scour critical bridges. He has applied a wide range of numerical models related to surface water modeling such as SWAN, STWAVE, ACES, EFDC, SRH-2D, RMA-2/4, RMA-10, SED2D, FLOW3D, and Fluent.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
City of Stockton Regional Wastewater Treatment Plant Upgrades,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Stockton, CA	2017	N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE   ☑ Check if project performed with current firm		ith current firm	

**CFD Modeler.** Performed CFD evaluation of chlorine contact basin. Using a numerical dye test performed testing at 40 and 64 mgd with and w/o baffling.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Walnut Creek Wastewater Treatment Plant Expansion,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
City of Austin, TX	2019	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**CFD Modeler.** Provided CFD modeling services to support design. Modeled aeration basin performance and mixing with INVENT mixers. Evaluated various inlet arrangement on final clarifiers. Optimized the recycle channel and splitter boxes.

C.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Toronto, Ashbridges Bay WWTP, CFD Evaluation of the Primary		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	rifiers, Toronto, ON	2012	N/A
(3) E	RIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**CFD Modeler.** Performed CFD modeling of primary clarifiers 7 to 9 as part of the P Building Upgrade Project at Ashbridges Bay Treatment Plant which is a conventional activated sludge plant with a rated design capacity of 818 ML/d and combined sewer peak flows of 3,200 ML/d. The CFD model was used to evaluate the capacity and potential limitations of the existing tanks and to evaluate potential modifications to the existing tanks to improve performance and/or capacity through use of horizontal baffling, Lamella Plates, and CEPT.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Woodward Avenue Wastewater Treatment Plant, CFD Hydraulic	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Evaluation of Primary Clarifiers, City of Hamilton, ON	2016	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**CFD Modeler.** Performed a CFD evaluation of the primary clarifiers at the Woodward Avenue WWTP. There are 14 clarifiers with a total peak capacity of 1520 MLd. The existing clarifiers have high velocities within the hoppers. CFD evaluation is being used to select optimum design modifications. Project includes numerical dye testing and the drift-flux sub-model to handle the density differences within the clarifier.

e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
North Hudson Sewerage Authority, West New York WWTF, CFD		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	aluation of Secondary Clarifiers, NY	2012	N/A
(3) E	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**CFD Modeler.** Used 3D CFD modeling to evaluate the performance improvements from proposed finger weir modifications to the effluent troughs circling the tank – namely the installation of Stamford baffles. CFD modeling effectively capture the strong density "waterfall" entering the tank through the central inlet tower.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 22 22

15. FIRM NAME AND LOCATION (City and State)

## AECOM Technical Services, Inc., Fort Lauderdale, FL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BS, Mechanical Engineering	Professional Engineer: FL #71360	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Sheldon is a mechanical engineer with experience in water and wastewater design and improvement, soil and groundwater assessment, and remediation at sites contaminated with petroleum hydrocarbons and chlorinated solvents. Specifically, his experience includes designing and constructing water and wastewater treatment facilities, pumping stations and rehabilitation of other various facilities. Sheldon brings extensive experience in evaluating existing conditions, site planning, and designing upgrades and conversions of existing and aging facilities.

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Town of Davie, New WTP and WWTP Progressive Design-Build, Davie,		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
FL		Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☑ Check if project performed w	ith current firm

**Project Engineer.** Prepared planning and conceptual design reports, which included developing population projections, calculating water and wastewater demands, and identifying and evaluating wastewater alternatives, performing influent wastewater quality analysis, and selecting process equipment for the wastewater treatment plant. Support engineer and site safety officer at the project site during the construction of 6.0 mad RO WTP and 3.5 mgd MBR WRF.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Collier County, South County Reverse Osmosis Water Treatment Plant	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Expansion, South Collier County, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Conducted inspections of various on-site system components, created punch list items, reviewed submitted shop drawings and Operation and maintenance manuals, and created and maintained project photo directories documenting the contractor's time and materials progress for the 8-mgd reverse osmosis expansion of the regional water treatment plant in South Collier County, Florida.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miami-Dade County, Hialeah Water Treatment Plant I Miami Springs	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Wellfield Rehabilitation, Hialeah, FL	2019	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Project Engineer.** Responsible for the process mechanical and civil design of 23 raw water wells with pump houses as part of the wellfield improvements.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Miramar, Historic Miramar Infrastructure Improvements -	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Phase 3, Miramar, FL	2022	2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Project engineer** for the construction of a wastewater collection system for the City of Miramar, Florida. This system was part of the final phase of a sewer septic tank replacement and utility system improvement program in Eastern Miramar which includes sanitary sewer, potable water and stormwater infrastructure upgrades and improvements.

e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
La Salle Drainage Improvements, Jacksonville, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	Ongoing
(3) E	BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Project Engineer.** This design build project included a 117cfs pump station, 6,500 LF of stormwater piping and related electrical, structural, civil and i&C work.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE			
		A. TOTAL	B. WITH CURRENT FIRM
Anthony Catalano Jr., PE	Structural Lead	17	17

15. FIRM NAME AND LOCATION (City and State)

## **AECOM Technical Services, Inc.** - Design-Build Center of Excellence, Chelmsford, MA

16. EDUCATION 17. CURR	RENT PROFESSIONAL REGISTRATION (State and Discipline)
MS, Structural Engineering, University of Massachusetts BS, Civil Engineering, University of Massachusetts  Profess	sional Engineer: CT (#33316), MA, CA, DE, NC

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Catalano is a Senior Structural Engineer and Deputy Structural Department Manager with experience in all aspects of structural engineering design, engineering computer analysis, construction services, and structural condition assessments. He has experience in the analysis, design, field investigation, condition assessment, and retrofit of reinforced concrete structures for water and wastewater treatment facilities and ancillary structures. Mr. Catalano also has experience providing structural engineering design oversight and managing structural efforts.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Town of Davie, Design-Build Water and Wastewater System		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Expansion, Davie, FL		2014	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☑ Check if project performed w	ith current firm

**Structural Lead.** Provided the structural design and construction support of the new water treatment and wastewater treatment facilities, which includes both treatment facilities, an administration and chemical building, several pump stations, storage tanks, and a power generator building.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Springfield Regional Wastewater Treatment Facility, Nutrient Removal	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Upgrade and Related Facility Improvements, Springfield Water and	2020	N/A
Sewer Commission, Agawam, MA		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Structural Lead.** Provided lead structural engineering services for alterations of existing structures including evaluating the existing elements for revised loading due to replacement equipment.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
City of Pittsfield, WWTP Nutrient Removal Upgrade, Pittsfield, MA	2016	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Structural Lead.** Led AECOM's structural portion of the project by taking the role as Engineer of Record and developed the structural design for an upgrade to an existing wastewater treatment facility, including a alterations to an existing Sludge Dewatering Building, a new Blended Sludge Tank, a new TWAS Storage Tank, and a new Gravity Thickener with a new splitter box structure for future expansion of an additional Gravity Thickener.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
City of Stockton, RWCF - Modifications Project, Stockton, CA	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Structural Lead.** Provided Lead Verifier responsibilities as well as complete design review of an upgrade to an existing wastewater treatment facility including modifications to an existing headworks, a new Screenings Collection Building, a new Screenings Handling Canopy, a new Headworks Structure, Influent Pump Station, and Electrical Building, a new Aeration Basin, a new Secondary Treatment Electrical Building, a new Blower Building, 4 new Secondary Clarifiers, a new RAS Pumping Station, a new Tertiary Diversion Structure and Control Vault, a new Disc Filter and UV Disinfection Facility, a new Final Effluent Pump Station, and other ancillary structures.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Massachusetts Water Resources Authority, On-Call Services	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Contracts, MA	2021	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Structural Lead.** Performed Structural Engineering for On-Call Services Contracts at the Deer Island WWTP in Boston, Massachusetts. Work included structural condition assessments for long-term serviceability and installation of new equipment, structural analysis of existing facilities to determine applicability of modification, and assistance in constructability analysis.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME Daniel Aspesi, PE 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 14 14

15. FIRM NAME AND LOCATION (City and State)

**AECOM** AECOM Technical Services, Inc. - Design-Build Center of Excellence, Chelmsford, MA

16. EDUCATION 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BS, Electrical Engineering, University of Massachusetts, Professional Engineer: MA

Dartmouth

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Aspesi is an electrical engineer with experience in the design of wastewater treatment facilities including wastewater collection, pumping, treatment and disposal systems. He has provided designs of electrical distribution systems, fire alarm, security, lighting, gas monitoring and telephone. His experience includes the design of medium and low-voltage electrical distribution systems utilizing switchgears, motor control centers, variable frequency drives, transformers and other distribution equipment. His designs have included coordination of mechanical process, HVAC and control systems for treatment facilities.

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
WWTP Upgrades Design-Build-Operate, City of Springfield, MA		2023	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☑ Check if project performed w	ith current firm

**Electrical Engineer.** Upgrades at the second largest WWTF in New England. Improvements include over \$25 million of upgrades, the majority of which is associated with secondary treatment upgrades including the installation of over 24,000 diffusers, mixed liquor recycle pumping, anoxic zone mixing, and process control instrumentation systems.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Town of Davie, Water Treatment Plant and Water Reclamation Facility,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Davie, FL	2014	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**Electrical Engineer.** Provided electrical engineering design and construction support for a 6 mgd reverse osmosis water treatment plant (expandable to 12 mgd) and 3.5 mgd membrane water reclamation facility (expandable to 7 mgd.) The electrical design included a new 13.2kV distribution system, double-ended distribution via switchboards and motor control centers and a 13.2kV standby generator facility with 5MW of capacity and future expansion to 10MW.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Stockton, Regional Wastewater Control Facility Modifications,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Stockton, CA	2020	2025
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**Electrical Engineer.** Electrical Engineer responsible for the design of a \$190 million facility upgrade with a peak flow of 105mgd. The process upgrades consisted of primary, secondary and tertiary improvements. Provided electrical design consisting of modifications to the 12.47kV distribution system, 3MW standby diesel generator and various downstream 480VAC distributions. The facility also included communications and lighting systems

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Massachusetts Water Resources Authority, Gravity Thickener	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Rehabilitation, Deer Island Treatment Plant, MA	2021	2021
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Electrical Engineer** responsible for the design of a \$14 million gravity thickener rehabilitation project at the Deer Island Treatment Plant. The design includes the replacement of the gravity thickener collection equipment, including drives and controls, for each of the six (6) existing gravity thickener tanks.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of East Providence, Water Pollution Control Facility/Collection	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
System, Design-Build, East Providence, RI	2010	2012
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**Electrical Engineer.** Responsible for the design and construction of an upgrade to the existing water pollution control facility, two existing pump stations and two new pump stations. The electrical work includes replacement of the existing electrical distribution system at the existing plant and pump stations and design of a new system at two new pump stations. The upgrade at the existing plant included the installation of a new 4000A, 480VAC switchboard, 750kW standby diesel generator and several motor control centers all while maintaining existing plant operation.

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Sarah Papazian, PE I&C Lead		A. TOTAL	B. WITH CURRENT FIRM
	I&C Lead	16	15

15. FIRM NAME AND LOCATION (City and State)

**AECOM Technical Services, Inc.** - Design-Build Center of Excellence, Chelmsford, MA

16. EDUCATION 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

BS, Mechanical Engineering, University of MassachusettsLowell Professional Engineer: MA

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Sarah is a design engineer specialized in the instrumentation and controls discipline. She brings experience in the design, development, technical coordination, management and delivery of many water and wastewater projects across the country. She has designed control systems for water and wastewater treatments facilities varying in size from duplex pump stations to 120 MGD plants. Sarah has evaluated existing plants, designed control systems for new and existing plants, and has provided construction support for municipal water and wastewater plants, as well as industrial plants.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Newport, Lawton Valley Water Treatment Plant and Upgrade of	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Station No. 1 - Design-Build, Newport, RI	2012	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**I&C Lead.** Designed the instrumentation and control systems for a new 7-mgd water treatment plant designed to replace an existing plant (Lawton Valley), as well as upgrade an existing 9-mgd water treatment plant (Station One). The processes at each plant included dissolved air flotation (DAF) filters, granular activated carbon (GAC) gravity filters, post filter adsorber (PFA) system, several chemical metering systems, chlorine contact tank/clearwell, and finished water pumping and storage. SCADA system at each location was comprised of several distributed PLCs and remote I/O cabinets. Overall SCADA system design included VPN communication between the two sites, integration of an existing residuals pumping station via fiber optic cable, and radio communication to several other remote locations for monitoring and control.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Davis, Wastewater Treatment Plant Upgrade - Design-Build	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Services, Davis, CA	2015	2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

**Lead instrumentation and controls engineer** on a secondary and tertiary upgrade of an existing wastewater treatment plant through a design-build project delivery. The upgrade involved replacing all existing PLCs as well as integrating new PLCs (balance of plant and OEM) into the SCADA network.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Washington Suburban Sanitary Commission, Western Branch	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Wastewater Enhanced Nutrient Removal Upgrade, Upper Marlboro, MD	2011	2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm

Provided engineering support during construction of an enhanced nutrient removal (ENR) upgrade at a 30-mgd wastewater treatment plant. The upgrade consisted of raw water pumps, raw water bypass pumps, HRAS bioreactors, NAS bioreactors, NAS return pumps, DAF thickening, thickened sludge storage, and scrubber blow-down pumping. SCADA control included tying into existing RIO panels and providing the necessary new RIO panels.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of East Providence, Wastewater System Expansion -	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Construction Oversight, Providence, RI	2010	2012
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Provided design and construction support on a design-build contract to design and build an upgrade and expansion to the existing East Providence water reclamation facilities. The project includes expansion of the existing wastewater treatment plant, two new remote pump stations, and upgrade to a number of existing remote pumping stations. The instrumentation and controls portion of the upgrade included designing the instrumentation and control systems for the main portion of the plant as well as several remote pump stations. Systems included in the upgrade and expansion were the headworks area, dewatering press, aeration tanks, chlorine contact tanks, secondary clarifiers, odor control systems, and chemical additions.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE



12. NAME

Kelley Samuels, PWS, CERP

**Environmental/Permitting** 

A. TOTAL	B. WITH CURRENT FIRM
30	30

15. FIRM NAME AND LOCATION (City and State)

## AECOM AECOM Technical Services, Inc., Orlando, FL

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BA, Environmental Studies	Professional Wetland Scientist, PWS #2083
Graduate, Environmental Technology Center, Tampa, FL	Certified Ecological Restoration Practitioner, #0345
Statewide and US Army Corps of Engineers Wetland	Florida FWC Gopher Tortoise Authorized Agent #33
Delineation Methodology Course	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Kelley is an environmental impact assessment and permitting specialist. Her expertise includes ecological assessments of flora and fauna, with a specific focus on wetlands and wildlife, environmental permitting, due diligence evaluation, and environmental monitoring. Her work includes wetland assessment, wetland delineation, and functional assessment of wetland impacts and proposed mitigation utilizing the Uniform Mitigation Assessment Method, protected species analyses, and environmental permitting with local, state and federal agencies.

1	19. RELEVANT PROJECTS			
а	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
_		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Madeira Beach Force Main Replacement, Pinellas County, FL		2016		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE   ☑ Check		☑ Check if project performed w	ith current firm	

**Environmental Permitting.** Responsible for obtaining environmental permits for horizontal direction drill crossings on the Intracoastal Water Way and Boca Ciega Bay. Permits and/or exemptions were obtained from FDEP, SWFWMD, ACOE and Florida Fish and Wildlife. Included as part of the permit packages were wetlands delineation and endangered species studies..

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
44th Avenue Utility Relocation, <b>Manatee County,</b> FL	2019	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Environmental Permitting.** Responsible for obtaining environmental permits the relocation of 30 and 36-inch water transmission mains that were to be relocated to accommodate a road widening project. Permits were obtained from FDEP and SWFWMD. Included as part of the permit packages were wetlands delineation and endangered species studies.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
48-inch Water Treatment Main Lake Tarpon Outfall Crossing	PROFESSIONAL SERVICES CONSTRUCTION (If applicable)	
Pinellas County, FL	2023	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Environmental Permitting.** HDD or microtunneling replacement project. Original 48" PCCP WTM was constructed in 1963 and included a subaqueous crossing under then Possum Creek. Aerial crossing was constructed in 1971 when Possum Creek was deepened and widened to construct Lake Tarpon outfall to mitigate flooding during severe storm events. Kelley is in charge of the environmental permits needed for construction approval.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES CONSTRUCTION (If applicable)
Altamonte Reclaimed Water Main, Orange/Seminole Countie	,FL 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm

**Lead Environmental Project Manager.** Permitting of 24-inch reclaimed water main from Eden Park Avenue in Altamonte Springs to the reclaimed water ground storage tanks at Apopka WRF. Assisted with siting/routing the pipeline by identifying the location of wetlands and/or listed species. Permits and/or exemptions were obtained from the Orange County Environmental Protection Division, Florida DEP, Florida Fish and Wildlife Conservation Commission, and the United States Army Corps of Engineers.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT 12. NAME 13. ROLE IN THIS CONTRACT 14. YEARS EXPERIENCE A. TOTAL B. WITH CURRENT FIRM 5 <1

15. FIRM NAME AND LOCATION (City and State)

## AECOM Technical Services, Inc., Orlando, FL

ME, Civil Engineering, University of Texas at Arlington BS, Civil Engineering, National University of Computer and Emerging Sciences, Pakistan 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Professional Engineer: FL #65850
Board Certified Environmental Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Cheema brings over five years of experience in the construction industry, specializing in project management and execution. As a construction engineer, he has successfully managed all phases of the construction process, including project initiation, closeout, staffing, and contract negotiations with subcontractors and suppliers. His expertise encompasses reviewing submittals, shop drawings, and RFIs, as well as overseeing material procurement, quantity tracking, cost estimation, change order preparation, and ensuring compliance with quality control systems, safety standards, scheduling, and budget requirements. Mr. Cheema has a proven track record of managing multiple heavy civil and site development projects. Additionally, he is well-versed in various project delivery methods, including design-bid-build, design-build, and design-build-operate.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED			
City of Orlando, Conserv 1 WRF Rehabilitation and Expansion Design-	PROFESSIONAL SERVICES CONSTRUCTION (If applicable)		
Build, Orlando, FL	Ongoing	Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  ☐ Check if project performed with current firm		ith current firm	

**Construction Manager.** AECOM is the design consultant under the design-build firm, Wharton-Smith Inc. Services include design, permitting and preconstruction services for substantial facility upgrades including a new headworks, expansion of the existing BNR system, two new clarifiers, new filtration system, and associated piping, electrical and I&C work. This project requires strict adherence to the City's robust MBE program, and meeting the City's limited budget.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
La Salle Drainage Improvements , Jacksonville, FL	Ongoing	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Construction Manager.** This design build project included a 117cfs pump station, 6,500 LF of stormwater piping and related electrical, structural, civil and i&C work.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
City of Tampa Pump Station Rehabilitation Progressive Design-Build,	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Tampa, FL	Ongoing Ongoing		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm		

**Construction Manager.** Design-Build Project Manager. Design and construction of a \$20M pump station repair and replace (R&R) program. The project is being delivered as a progressive design-build and entails the planning, design, GMP development and construction of more than 25 pump stations throughout the City.

12. NAME 13. ROLE IN THIS CONTRACT			RIENCE		
				A. TOTAL	B. WITH CURRENT FIRM
	Andrew Detwiler	Cost Estimating		30	4
15. FIRM NA	AME AND LOCATION (City and State)				
AEC	AECOM Technical Service	es, Inc., Glen Allen, VA			
16. EDUCA	TION	17. CURRENT P	ROFESSIONAL RE	GISTRATION (Sta	ite and Discipline)
N/A			R Certification		
10.071150	PROFESSIONAL QUALIFICATIONS (Publica		rienced Miner		
ncludes	nd gas projects with dollar values le proficiency in estimating, operatio				
_	NT PROJECTS				
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable)			
<b>Hampto</b> : VA	n Roads Sanitation District, SWI	FT Program, Hampton Roads,	Ong		Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			ect performed wi		
	<b>itimator.</b> Responsible for review ar and water reclamation.	d analysis of contractor estimate	es and progran	nmatic cost fo	or regional water treatmen
b. (1) TIT	LE AND LOCATION (City and State)		(2) YEAR COMP	LETED	
	County Sanitation District, Bay I	Bridge Pump Station Upgrade	PROFESSIONAL	_	CONSTRUCTION (If applicable)
	abilitation, CA		Ong		Ongoing
	ESCRIPTION (Brief scope, size, cost, etc.) A		☑ Check if project performed with current firm		
	timator. Responsible for cost esti- ation to meet current building, elec				
c. (1) TIT	LE AND LOCATION (City and State)		(2) YEAR COMP	LETED	
Orange	County Sanitation District, 3-64	C-DS 2,3, Orange County, CA	PROFESSIONAL		CONSTRUCTION (If applicable)
3) BRIEF D	ESCRIPTION (Brief scope, size, cost, etc.) A	ND SPECIFIC ROLE	☑ Check if project performed with current firm		
	<b>timator.</b> Responsible for QC of estir reatments.	nates which included, conveyance	lines, rehabilita	tion and install	ation of manholes and
d. (1) TIT	LE AND LOCATION (City and State)		(2) YEAR COMP		

 d. (1) TITLE AND LOCATION (City and State)
 (2) YEAR COMPLETED

 City of Thornton, City of Thornton 42" Welded Steel Force Main,
Thornton, CO
 PROFESSIONAL SERVICES
 CONSTRUCTION (If applicable)

 (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
 ☑ Check if project performed with current firm

**Lead Estimator.** Responsible for Estimation and subcontractor solicitation, coordination for 42" welded steel waterline, microtunneling, site work and pumping stations.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Ringgold Road Wastewater Improvements, Clarksville, TN	2022	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

**Chief Estimator.** The project consists of the installation of a 5MG equalization (EQ) tank and an 8 MGD pump station, an electrical building, yard piping, site grading, asphalt paving, fencing, and demolition of existing pump station. [\$19.7 million]

E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT				
12. NAME		13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
			A. TOTAL	B. WITH CURRENT FIRM
	Javier Salazar	Construction Inspection	15	2

15. FIRM NAME AND LOCATION (City and State)

AECOM Technical Services, Inc., Fort Lauderdale, FL

16. EDUCATION 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

BS, Civil Engineering, Universidad Industrial de Santander

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Javier is a results-driven civil engineer with over 15 years of diverse experience in construction management, mining, cement, concrete, and infrastructure projects. Proven track record in project management, resource optimization, and team leadership to drive efficiency, cost savings, and high-quality outcomes. Adept at leveraging LEAN methodologies and advanced construction practices to improve operational performance. Committed to delivering exceptional results and fostering successful industry partnerships.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED			
City of Fort Myers, South & Central AWWTF's Primary Treatment and	PROFESSIONAL SERVICES CONSTRUCTION (If applicable		
Digestor Blower Improvements, Fort Myers, FL	Ongoing Ongoing		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed w	ith current firm	

**Construction Phase Services.** Responsible for providing construction phase services for the South and Central advanced wastewater facility's primary treatment and digestor blower improvements...

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
John E. Preston Water Treatment Plant - 72" Water Main CEI Services.	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Hialeah, FL	2022	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if project performed with current firm	

**Construction Phase Services.** Providing construction engineering and full-time inspection services for the installation of a 72" water main at Miami-Dade Water and Sewer Department's Preston Water Treatment Plant in Hialeah, Florida

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

b. POINT OF CONTACT NAME

20. EXAMPLE PROJECT KEY NUMBER



CONSTRUCTION

(If applicable)

Ongoing

21. TITLE AND LOCATION (City and State)

## Citywide Pump Station Rehabilitation Design-Build,

City of Tampa, FL

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Jack Ferras, PE City of Tampa

c. POINT OF CONTACT TELEPHONE NUMBER

**PROFESSIONAL** 

**SERVICES** 

2020

(813) 274-8095

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



AECOM is the prime design-builder on a five-year contract that will result in the rehabilitation of 25 wastewater pump stations. Stations range in capacity from 300-gpm to 7-mgd. The City can authorize additional stations for rehabilitation at their discretion. Under this contract, AECOM is both the engineer of record for the design work and general contractor for the proposed construction work. Since this is a progressive designbuild contract, two contracts will be issued each year. The Step 1 contract will include design for rehabilitating the selected pump stations and for the development of a guaranteed maximum price (GMP) to perform the rehabilitation work. The Step 2 contract will be issued to perform the construction work based on the agreed to GMP developed in the first contract.

The initial task in the Step 1 contract is to evaluate the existing condition of each station and utilize pump run time information, hydraulic modeling of the respective force main systems and the available capacity at the point of connect, determine the required firm pumping capacity for each selected station. This work is then summarized in a Technical Memorandum that is submitted to the City for review and approval. In the next task, AECOM used the condition of the existing station and the selected pump requirements to determine if the station could be rehabilitated or if a new station should be constructed.

Preliminary construction cost estimates were developed

#### **Relevance to Margate**

- ☑ AECOM as prime progressive design-build entity
- ☑ Multiple task orders
- ☑ Condition assessments
- ☑ Regulatory permitting
- ☑ Community relations
- ☑ Urban environments
- ☑ Pump station rehabilitation and replacement

#### **Section E Key Personnel**

Brian Stitt, DB Project Manager Scott Thibault, Project Director Carolyn Bonaventura, Deputy PM Rich Ulkus, Construction Manager Kelley Samuels, Permitting Abdullah Cheema, Construction

Andrew Detwiler, Estimating

Lee Davis, Safety

Contract Value: \$25M

for each alternative. This work performed is summarized in a second Technical Memorandum and includes the recommended design approach for each station. This is submitted to the City for review and approval. Once both memorandums have been approved, detailed design begins. For most of the stations, rehabilitation of the existing structure is the most cost-effective alternative. Once the 90% plan set has been approved by the City, preparation of the GMP for construction is prepared. To establish the GMP,

AECOM is responsible for obtaining quotations for equipment and materials as well as selected subcontractor bids for portions of the work. Based on bids received, AECOM develops a total cost to perform the work. This cost, along with all the detailed bids and quotations is summarized and submitted to the City for review and approval. Once approved, the City issues a construction contract to AECOM to perform the work. Additionally, once the GMP is approved, AECOM begins evaluation and design of the next years selected pump stations.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	AECOM Technical Services, Inc.	Tampa, FL	Prime Design-Builder - Lead Engineer and General Contractor		

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

## Conserv 1 Water Reclamation Facility Improvements, Orlando, FL

22. YEAR COMPLETED

PROFESSIONAL CONSTRUCTION (If applicable)

Opaging Opaging

Ongoing Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Orlando Kristi Fries, PE

(407) 246-3353

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



### AECOM has been involved on projects at the Water Conserv I WRF for more than 35 years. Since then, our team has completed many other projects on this site.

This design-build project for the City of Orlando includes upgrades and expansion of the Conserv 1 WRF from 7.5 mgd to 10 mgd, with the option to expand further to 15 mgd. During design development, the City decided that the facility needed to meet advanced wastewater treatment standards, and the design team was able to seamlessly adjust to incorporate this requirement. AECOM, having provided design and construction services for the original award-winning facility in the 1980s, was selected to be part of the team.

Specific scope of work includes a new pre-treatment facility, new anaerobic basin, new BNR basins, reconfiguration of flow splits in open channels, new mono-media filter bays, new reclaim pump station, new plant water pump station, sitework, environmental evaluations, electrical and I&C improvements.

The design-build team has been able to achieve a high minority/ disadvantaged business utilization target, and has worked alongside multiple other projects on the site that required coordination and collaboration throughout design. The AECOM team has also worked alongside the prime design-builder to provide value engineering and constructability during design

#### **Relevance to Margate**

- ✓ AWWT/Strict Nutrient Limit Exp.
- Preliminary Treatment Coarse/Fine Screening/Grit Removal
- WW Process Modeling (BioWin)
- ☑ Site Layout
- ☑ Aeration System/Blowers
- ☑ Plant Hydraulics
- ✓ Solids Handling
- ☑ Electrical/Standby Power Generator
- ☑ Maintenance of Plant Operations (MOPO)

## Section E Key Personnel

Carolyn Bonaventura, Design-Build Manager Keith Sears, Process Design Bozho Handjiev, Engineering Scott Thibault, Executive Brian Stitt, xx Abdullah Cheema Andrew Detwiler, Estimating Kelley Samuels, Permitting Lee Davis, Safety

Contract Value: \$106M (Construction Cost)

to ensure the project remains on budget while getting the maximum amount of improvements for a fixed budget.

Under guidance and advice of the design-build team and the owner's agent, the City is considering expansion scenarios up to 15-mgd to be constructed as part of this project. The team has been able to work with the City on pricing and scope to meet the demands of a growing City.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT					
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	AECOM Technical Services, Inc.	Orlando, Tampa, FL	Prime		
b.	AECOM Canada Ltd.	Winnipeg, MB	Prime		
C.	AECOM Technical Services, Inc.	Raleigh, NC; Chelmsford, MA	Prime		

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

## **Davie Water Reclamation Facility and Water Treatment Plant** Progressive Design-Build, Davie, FL

**PROFESSIONAL** CONSTRUCTION **SERVICES** (If applicable) Ongoing Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

Town of Davie

Renuka Mohammed-Bajnath

(954) 327-3742

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



#### **Relevance to Margate**

- ☑ AECOM design-build
- ☑ Progressive-design-build
- ☑ Rotary drum screens
- ☑ Structural enclosures
- ✓ Sludge digestion analysis
- ☑ SCADA integration
- ☑ GMP development
- ☑ Regulatory compliance
- ☑ Construction management

## **Section E Key Personnel**

Scott Thibault, Design Manager Brian Stitt, DB Project Manager Rich Ulkus, Construction Manager

Daniel Aspesi, Electrical Lee Davis, Safety

Kelley Samuels, Permitting Andrew Detwiler, Estimating

Contract Value: \$112M progressive design-build

**AECOM** was the prime Design-Builder, General Contractor and Engineer of Record for the Davie Clean Water Project. This project combined a MBR water reclamation facility with a new reverse osmosis water treatment plant to help meet the Town's objectives of "Making Davie Clean through Green."

AECOM provided a progressive design-build approach for the services at Davie. The town upgraded its systems because two large, planned development initiatives created steep increases both in demand for potable water and wastewater treatment capacity. At the heart of the project are a 3.5 MGD (expandable to 7 MGD) water reclamation plant and a new 6 MGD water treatment plant (expandable to 12 MGD).

The new plant utilizes membrance biological reactors (MBR) in the process train that allows for a smaller footprint and higher quality effluent. UV is used as the primary disinfection. Solids management was a key consideration in the wastewater process design and entails thickening of the biosolids followed by digestion and dewatering. The preliminary design for this project included and extensive evaluation of biosolids management options and pilot testing of the short listed technology. Dewatered sludge is treated to achieve FL regulations for land application.

The combined water and wastewater treatment plant process is housed in a 52,662 SF tilt-up concrete (pre-cast) building. The entire building was designed and constructed as a LEED Silver certification qualified facility. The Town requested that AECOM design-build the main plant buildings to LEED Silver standards, but in the end chose not to go through the formal certification process. However, to ensure that the buildings met LEED requirements AECOM included all of the efficiency features required to achieve LEED Silver including dual plumbing to supply re-use water for non-potable purposes (e.g. toilet flushing), solar water heating, and high efficiency heating and cooling systems.

As the prime contractor, AECOM provided schedule, safety, and financial control of 16 trade subcontractors and 23 vendors.

More than 20 separate permits were obtained to enable the construction and operation of the new facilities, including a consumptive use permit, underground injection control permits, site plan permits and a reuse application that meets the equivalent of Title 22 Reuse standards. AECOM was also responsible for the training of Davie's operations staff, and for the provision of O&M manuals and operating procedures.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Design-Builder, General Contractor, Engineer of Record		
b.	AECOM Technical Services, Inc.	Fort Lauderdale, FL	Design-Builder, General Contractor, Engineer of Record		

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

20. EXAMPLE PROJECT KEY NUMBER



CONSTRUCTION

(If applicable)

2019

21. TITLE AND LOCATION (City and State)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

## **Newport Water Pollution Control Facilities Design-Build-Operate** (DBO) - Plant Upgrades, City of Newport, RI

b. POINT OF CONTACT NAME

Veolia, Jason O'Brien, Vice City of Newport President

c. POINT OF CONTACT TELEPHONE NUMBER

**PROFESSIONAL** 

**SERVICES** 

2019

O: (203) 270-4313; M: 914-755-4271

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



An AECOM JV was awarded a design-build-operations contract to upgrade the City of Newport's Water Pollution Control Plant (WPCP). This project involved upgrading the WPCP to a 30 mgd maximum daily flow limit and also included new rotary drum thickening and dewatering systems. Key scope items for the upgrade included:

- New rotary drum thickeners
- New thickened sludge pumps, three new polymer systems, SCADA integration
- Major improvements to the sludge processing building, including new sludge dewatering process, HVAC and architectural improvements
- New headworks building including new fine screens
- New chemically enhanced primary treatment (CEPT)
- Improvements to the aeration tanks including new FRP baffles, a new contact stabilization process and new highefficiency turbo blowers
- Upgrade to the flow splitting structure
- Replacement of secondary clarifier mechanisms and increased clarifier wall height
- New UV disinfection system
- New biofilter odor control system
- New final effluent pumps
- New electrical building with switchboard and power distribution equipment

#### **Relevance to Margate**

- ☑ AECOM design-build project
- ✓ Sludge dewatering analysis
- ✓ New rotary drum thickeners, pumping, and polymer systems; SCADA integration Lee Davis, Safety
- ☑ Commissioning and startup
- ☑ Disinfection system
- ☑ Pump station
- ☑ Construction electrical and I&C

Contract Value: \$40M design-build

MOPO

building

# **Section E Key Personnel**

Scott Thibault, DB Project Manager T.J. Catalano, Structural

Daniel Aspesi, Electrical Sara Papazian, I&C

Significant structural improvements to the operations

This project required major upgrades to an active treatment facility and the upgrades had to be completed while the facility maintained its existing operations and met all permit requirements. This led to AECOM working closely with our contractor and operations partners to devise detailed construction sequencing plan and mitigation measures to keep the required unit processes online and available for ongoing operations while completing the upgrades.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT								
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE					
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Design-Builder					

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

# **Lawton Valley and Station No. 1 Water Treatment Plants Design-Build**, Newport, RI

22. YEAR COMPLETED

PROFESSIONAL CONSTRUCTION (If applicable)

2012 2014

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Newport

Robert Schultz, Jr.

(401) 845-5600

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



#### **Project Scope**

AECOM was the design-builder for two Water Treatment Plants for the City of Newport: Station No. 1 WTP Upgrade and a new Lawton Valley WTP. The project originated with a consent order to meet disinfection by-products (DBP) and total trihalomethanes (TTHM) standards. The resulting projects included Station No. 1 WTP, which is 9 mgd and improvements include a new rapid mix, coagulation chamber, retrofit of the existing sludge blanket clarifier tanks with a new highrate DAF system, new chemical feed equipment, laboratory improvements, and post-filter adsorbers using GAC to meet the City's water quality requirements. The new 7-mgd Lawton Valley WTP plant includes an operations building, elimination of an existing 4 million gallon buried reservoir, new DAF and GAC filtration facilities, new chemical feed equipment, new laboratory, new clearwell for finished water storage, postfilter adsorbers using GAC and a new elevated water storage tank for distribution system storage. The project also included a new bolted-steel tank and recycle pump station to capture and reintroduce spent washwater into the raw water flow stream.

**Construction.** All key process equipment was purchased within three months of notice to proceed and fast-track initiatives were employed for the chemical systems using prefabricated skids, precast concrete architectural wall panels and bolted steel finished water tanks.

#### **Relevance to Cape Coral**

- ☑ Water treatment plant with constructability challenges
- Multiple, highly variable surface water sources
- ☑ Design-build
- ✓ Included complex retrofits at existing WTP
- ☑ High-rate clarification
- ☑ MOPO
- ☑ Pump station
- ☑ Construction
- ☑ Filtration
- Yard piping
- ☑ Electrical and I&C

#### **Section E Key Personnel**

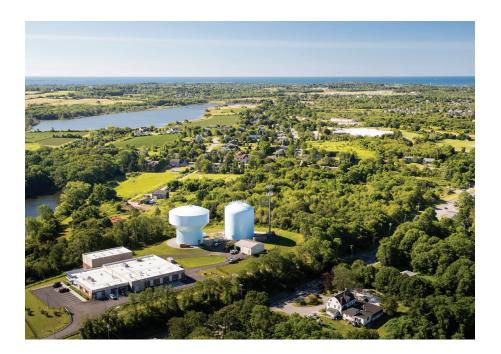
Scott Thibault, DB Project Manager T.J. Catalano, Structural Sarah Papazian, I&C

Daniel Aspesi, Electrical

Contract Value: \$63.6M

**Safety.** A key tenet of the safety program was close coordination with City staff to ensure the safety of everyone at all times. We coordinated closely with the City Operators to develop a mutual understanding of construction issues and any associated safety considerations, such as chemical hazards posed by construction in an operational facility.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT								
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE						
_	AECOM Technical Services, Inc.	Chelmsford. MA	Design-Build   Prime Contractor/						
a.		Crieirisiora, iviA 	Engineer in Joint Venture						







#### **Project Challenges**

Using Design-Build for High Rate Clarification in Complex, Constricted Sites While Maintaining Operations. The existing WTP was located on the top of a hill with very limited space for construction and the existing plant had to keep producing on-spec water for the duration of construction. Space was limited to the point that part of the existing plant had to be demolished to create space for the foot print of the new plant. AECOM worked closely with the owner and provided creative ideas such as bringing an interim storage tank onsite to allow demolition of the old clearwell while still allowing the City to keep producing water during construction.

Water Flow and Quality. One of the key challenges to the design of Station No. 1 WTP upgrade was to provide the required modifications at this active plant while maintaining the flow and clarified water quality. Our smart retrofit design provided a firm 9 MGD of DAF throughput (9 MGD total) after first construction season – this meant no stoppage during the following summer when water demand is at its highest. Notably, we provided the City with two DAF trains in one sludge blanket clarifier tank which provided a firm fixed flow of 6 MGD (9 MGD total with required redundancy) within the first construction season. This afforded the City several key risk mitigation measures aimed at preserving the quantity and quality of water supplied to its customers.

"It's been beyond our expectations. Water coming out of Station 1 has been remarkably better."

Julie Forgue, Director of Utilities (retired)

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

## WWTP Upgrades Design-Build-Operate, City of Springfield, MA

22. YEAR COMPLETED

**PROFESSIONAL** CONSTRUCTION **SERVICES** (If applicable) 2021 Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Springfield

Steve Frederick

(413) 452-1300

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

AECOM was responsible for the upgrades to the Regional Wastewater Treatment Plant. As part of the 20-year operations contract, the Commission required the design-builder to design and construct certain Initial Capital Improvements (ICIs) at the facility. AECOM is performing the ICI Design and Construction for Veolia, the Operations team.

The core of the project is an upgrade to the facility's secondary treatment system to provide an enhanced nitrogen removal system. AECOM was able to determine actual average day and maximum month flows for the facility. This determination reduced the number of internal mixed liquor return (MLR) pumps required per aeration basin, while still achieving enhanced nitrogen removal, and resulted in a significant cost savings for the project.

In addition to sizing the aeration MLR pumping system, AECOM also designed a hybrid step-feed BNR aeration system, which utilized the facility's existing step feed aeration gates. AECOM increased the anoxic zone volume of the aeration system, but rather than enlarging the first anoxic zone, added a second anoxic zone in the middle of the aeration basins. This hybrid approach resulted in even greater nitrogen removal within the secondary system.

A new odor control ventilation and ductwork system is installed in the pretreatment building to capture odorous air from the room and under existing channel covers. The new ventilation system will exhaust to an existing odor control unit onsite.

Plant Electrical System Upgrades include replacement of the existing main plant switchgear, incoming electrical service

#### **Relevance to Margate**

- ☑ Design-Build
- ☑ New odor control ventilation Dan Aspesi, Electrical and ductwork system for pretreatment building
- ☑ Complete replacement of plant main switchgear, service feeders, and secondary feeders
- ☑ Startup and commissioning
- ☑ MOPO; Pump Station
- ☑ Construction permitting

#### **Section E Key Personnel**

Scott Thibault, Principal Sara Papazian, I&C T.J. Catalano, Structural

Contract Value: \$28M

feeders, and secondary electrical feeders throughout the facility. Duct banks will be separated for reliability. Over 5,000 linear feet of new duct bank is included in the project. Replacement of the Facility's 250 kW emergency generator.

Ventilation System in Grit and Screenings Building include a new HVAC system will be installed in the existing Grit and Screening Room (the Headworks). The existing ventilation system is past its useful life, and the new HVAC system will provide 12 air changes per hour into the room and heat during the winter months.

Utilizing the design-build model allowed for early interface with key subcontractors and equipment providers. AECOM designed and permitted the main capital improvements within nine months but was able to purchase long lead items early in the design process. This helped alleviate supply and pricing issues facing the industry.



25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT							
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE					
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Design-Builder					

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

# WWTP Upgrades Design-Build-Operate, City of Lynn, MA

22. YEAR COMPLETED

PROFESSIONAL CONSTRUCTION (If applicable)

2021 Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Lynn

Steve Frederick

(718) 596-2400

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





As part of a design-build-operate contract, there are significant mandatory capital improvements at the WWTF, as well as at the RPS, to be designed, constructed, and commissioned within the first 4 years of the service contract. Veolia retained the 50-50 Joint Venture entity of AECOM and C.H. Nickerson (DBJV) to design, construct, and commission all the mandatory capital improvements of the service contract.

Some of the improvements AECOM is performing include:

- Odor Control Replace the headworks and gravity
  thickener odor control systems, replace the gravity
  thickener covers with flat extruded aluminum covers, and
  modify the odor control ductwork at the primary clarifiers
  and sludge dewatering building.
- Administration Building and Maintenance Building –
   Architectural upgrades such as kitchen and locker room refurbishments.
- Sludge Thickening Provide two new rotary drum thickeners (RDTs) with flocculation tanks, install new washwater and Thickened WAS pumping and piping system, and install new polymer containment area and polymer system.
- WAS Pumps Upsize two existing WAS pumps for continuous feed to new rotary drum thickeners.

#### **Relevance to Margate**

- ☑ Design-Build
- Four new odor control systems to treat odorous air from the pretreatment and sludge handling buildings
- ✓ New electrical MCCs and distribution equipment
- New grit removal, classifying, and washing systems
- New flat aluminum covers for sludge holding tanks
- ☑ MOPO
- ☑ Electrical and I&C disinfection

#### **Section E Key Personnel**

Scott Thibault, Project Director Dan Aspesi, Electrical T.J. Catalano, Structural Sara Papazian, I&C

Contract Value: \$54M

- Headworks Replace three of the four existing aerated grit chambers with HeadCell units with a total capacity of 110.8 mgd, convert a portion of the existing tanks to a dry well to house grit removal pumps, install grit classifiers and a 35 MGD screening facility in the footprint of the former fourth aerated grit tank.
- Primary Scum Handling Install new scum trough flushing water system and two submersible chopper pumps with recirculatory system.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT							
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE					
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Design-Builder					

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

#### Woonsocket Water Treatment Plant, Woonsocket, RI

22. YEAR COMPLETED

PROFESSIONAL CONSTRUCTION (If applicable)

2022 2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Woonsocket

Jonathan Pratt

(401) 767-9220

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



Relevance to Margate

AECOM design-build

project

✓ Award winning MOPO

☑ Electrical and I&C

☑ Filtration

☑ Disinfection

☑ Public relations

**Section E Key Personnel** 

Scott Thibault, Principal T.J. Catalano, Structural Lee Davis, Safety Sara Papazian, I&C Daniel Aspesi, Electrical Andrew Detwiler, Estimating

**Contract Value:** \$57M (Engineering and Construction Cost)

AECOM, in a joint venture with a construction partner, was selected to design, build, and operate a new 7 mgd water facility in Woonsocket, RI. The new water treatment plant recycles its washwater discharge, thus protecting the environmentally fragile Blackstone River – often cited as one of the nation's most polluted rivers. The project also included a new raw water pumping station, large diameter raw and finished water transmission mains, new rapid mix, filtration and disinfection facilities, and new clearwells and finished water pump station.

The AECOM team designed a cost-effective plant for the City that met the performance, quality, and schedule requirements of the project. The project site for the new treatment facility included a rocky hill and the team found the optimal placement of the facilities to balance cut, fill, and rock removal thereby minimizing cost. Our process layout provided for gravity flow from the rapid mix system all the way to the end of the treatment process at the finished water pump station wetwell, which reduced operating costs and eliminated the need for intermediate pumping. This provided both a capital expenditure savings and a lifecycle savings.

This award-winning project included a Public Education Learning Center Area within the WTP. The centerpiece of the Public Education Learning Center Area was provided at the main entry where interactive displays, exhibits, and models are located.

AECOM's design also provided strategically located water quality monitoring points that allows operator flexibility to vary process trains to address variations in raw water characteristics; process control monitoring is provided with online analyzers and SCADA to recognize and correct any deviations related to treated water quality with control stations on the process deck so that operators can quickly access current treatment results.

# **Employing Qualified, Local Construction Firms and Resources**

The Joint Venture team included many local engineering, construction, and equipment supply firms including geotechnical, surveying, civil site, piping, electrical, SCADA, and dozens of material supply companies. Craft labor was drawn from local labor halls and the project provided significant job opportunities to the local labor market.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT								
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE						
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Prime Design-Builder						

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

20. EXAMPLE PROJECT KEY NUMBER



21. TITLE AND LOCATION (City and State)

## Regional Wastewater Control Facility Upgrades, Stockton, CA

22. YEAR COMPLETED

PROFESSIONAL CONSTRUCTION (If applicable)

2025 2025

23. PROJECT OWNER'S INFORMATION

City of Stockton

a. PROJECT OWNER b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

Art O'Brien, PE (916) 790-0218

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



#### **Delivery Model/Role of Respondent and Key Firms**

This progressive design-build project is being delivered by AECOM/Lyles JV as the prime design-build contractor and engineer of record. The project is nearing completion.

#### **Self-Performance**

AECOM self-performed 100% of the design; Lyles self-performed 65% of the contract.

#### **Scope Details**

The Stockton Regional Wastewater Control Facility (RWCF) occupies approximately 690 acres adjacent to the San Joaquin River. The RWCF was first constructed in 1922. The RWCF was incrementally expanded to accommodate growth. The City was issued a new National Pollution Discharge Elimination System (NPDES) permit. Also, the City is under a time schedule order (TSO) to meet strict disinfection by-products limits on total trihalomethanes.

With budget constraints and a plethora of existing problems the principal challenge for the City and the AECOM/Lyles Design-Build Team was to develop a significantly more cost-effective approach for project:

## Relevance to Margate

- ☑ Design-Build Project
- ☑ Water Conservation
- ☑ Facilities Improvements
- ✓ Influent pumping, screening, and grit removal systems
- ☑ Secondary Biological Treatment Systems
- Tertiary filtration and disinfection systems
- ☑ SCADA upgrades
- ☑ MOPO
- ☑ Electrical Upgrades

#### **Section E Key Personnel**

T.J. Catalano, Structural Sara Papazian, I&C Daniel Aspesi, Electrical

Contract Value: \$206M

Add New Core Treatment Processes. To position
the Stockton plant for its next 50 years of operation,
more modern and energy efficient unit processes were
recommended to best meet current and anticipated future
regulatory requirements while minimizing life cycle costs.
Proposed new core processes included a modernized
headworks, BNR activated sludge, disk filtration, UV
disinfection, and centrifuge dewatering.

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT								
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE						
a.	AECOM Technical Services, Inc.	Chelmsford, MA - Sacramento, CA	Design-Builder						

#### Cost Effectiveness

Minimizing pumping requirements and maximizing the reuse of onsite tankage resulted in significant CAPEX and OPEX savings.

#### Problem Solving

The AECOM/Lyles JV worked closely with the owner to refine the GMP to successfully align the scope with the Owner's desired budget.

#### Collaboration



Our partnership with the City of Stockton showcased the value of a shared savings approach. By working together to modify the contract, we were able to deliver a tailored solution that met the City's budgetary objectives while providing mutual cost benefits.

- Water Conservation. RWCF flow records showed an average difference between influent and effluent flows was as much as 8 mgd. This implied that seepage and evaporative losses of water across the approximately 700 acres of ponds and wetlands were resulting in a significant loss of water to the delta. Thus, bypassing the ponds during normal operations would have the benefit of enhancing water conservation by returning significantly more flow to the river.
- Repurpose Existing Structures. To obtain continuing
  value for the City's past investment, existing structures
  could be modified and repurposed to contribute to a
  simplified process flow scheme. Examples included:
  converting the existing biotower pump station to a new
  secondary effluent pump station; and altering the existing
  gravity thickener for use as a centrate equalization tank.
- Make Personnel Facility Improvements. A modern plant needs the support of a skillful workforce. The DB team proposed to provide modern facilities to promote maximum efficiency for plant staff.

The AECOM/Lyles JV worked closely with the owner to refine the GMP to successfully convert the Phase 1 project to the Phase 2 contract. Scope items included new influent pumping, screening, and grit removal systems, new secondary biological treatment systems, new tertiary filtration and disinfection systems, and new solids handling facilities to replace an existing oxidation pond and overland flow treatment system.

Major process equipment includes large vertical turbine solids handling pumps, perforated fine screens, conical tray grit removal systems, primary and secondary clarifier mechanisms, aeration blowers and diffusers, submersible mixers, tertiary disc filters, UV disinfection system, sludge centrifuge, and associated electrical, control, and SCADA upgrades.

"The AECOM-Lyles team has shown an exceptional degree of collaboration and innovation partnering with the City of Stockton."

Art O'Brien, PE, Project Manager
 City of Stockton RWCF Design-Build



**PROFESSIONAL** 

**SERVICES** 

Ongoing

c. POINT OF CONTACT TELEPHONE NUMBER

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

20. EXAMPLE PROJECT KEY NUMBER



CONSTRUCTION

(If applicable)

Ongoing

21. TITLE AND LOCATION (City and State)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

## Wastewater Treatment Facility & Hybrid Sewer Collection System **DBO**, Town of Provincetown, MA

Town of Provincetown James Vincent (508) 487-7060

b. POINT OF CONTACT NAME

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



### **Relevance to Margate**

- ☑ Treatment Systems and Processes O&M
- ☑ Capital Improvements and Retrofits
- ☑ Repair and Replacement ☑ Industrial Pretreatment

Program (IPP)

# **Section E Key Personnel**

Scott Thibault, Principal Sarah Papazian, I&C T.J. Catalano, Structural Daniel Aspesi, Electrical Andrew Detwiler, Estimating

Contract Value: \$180M

#### Phase 1 System (2001 - 2006)

AECOM provided design-build services and managed operations for a new \$18.4 million wastewater collection, treatment, and disposal system, the first such system for this popular resort community on Cape Cod. AECOM, as prime contractor, provided design, permitting, architectural services, construction inspection and management, community relations, and procurement of all major equipment for the collection and treatment systems.

AECOM designed and secured state revolving fund approval for an innovative hybrid collection system that uses both grinder pumps and vacuum systems. The process consists of 25,000 feet of vacuum sewers, 3,000 feet of low-pressure sewers, and 3,400 feet of gravity sewers. The low-pressure and gravity sewers tie into the extremities of the vacuum system. The wastewater is transported by a central vacuum pump station that serves almost 525 properties and has a peak hourly flow rate of 1.4 mgd. The central vacuum pump station pumps the collected wastewater to a new 0.575-mgd treatment plant built on a former landfill on a busy state highway. After processing through a sequencing batch reactor, treated effluent is transported to four underground disposal areas, which were modeled to avoid impacts to Cape Cod's sensitive groundwater zones.

#### Phase 2 System Expansion (2006 - 2008)

Following the completion of the initial Phase 1 construction, AECOM prepared a facilities plan for the expansion of Provincetown's collection system to the remaining portions of town. AECOM evaluated alternatives and recommended ways to extend the collection system to those areas. AECOM's analysis included an evaluation of the wastewater treatment plant's current capacity to determine whether it needed to be expanded to handle the additional flow.

Between 2007 and 2008, the collection system was expanded at a cost of ~\$7M to serve additional properties under Phase 2. An additional 15,500 ft. of 8-inch and 10-inch diameter gravity sewers were constructed to serve properties in the Shank Painter Basin and Cape End Manor areas. The Phase 2 project included three pump stations, the largest of which conveys up to 600 gpm 3,000 ft. through an 8-inch-diameter force main to the WWTF.

#### Phase 3 Expansion (2008 - 2013)

Based on the success of Phase 1 and Phase 2 and available capacity at the WWTF, a Phase 3 sewer extension project was developed to sewer additional areas. AECOM provided

25. F	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT								
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE						
a.	AECOM Technical Services, Inc.	Chelmsford, MA	Prime						

engineering and permitting services for the \$18.7M Phase 3 expansion. This project, funded through a federal stimulus program, involved the installation of 13,700 ft. of 8-inch gravity sewers, 19,800 ft. of 6-inch and 8-inch force main, and five submersible below-grade pump stations. As part of this expansion, some properties were redirected from the Phase 1 vacuum system to the Phase 3 gravity sewer. Redirecting this flow freed up capacity for the addition of new properties in the downtown vacuum system area.

#### Phase 4 Expansion (2013 - 2019)

Between 2013 and 2019, the collection system was further expanded under Phase 4. The \$4.9M Phase 4 project consisted of the construction of sewer extensions in the Bayberry and Province Lands/Bradford Street areas. The Bayberry subarea collection system consists of one below-grade pump station and approximately 200 linear feet of 8-inch diameter gravity sewers. The pump station conveys flow through approximately 1,200 linear feet of 6-inch force main which discharges flow to the Phase 2 gravity sewer system. The gravity sewer and pump station were designed to accommodate future flows from the surrounding Bayberry neighborhood. The Province Lands/ Bradford Street sewer extension consists of approximately 5,100 linear feet of 8-inch and 10-inch diameter gravity sewers connected to the existing West End pump station.

#### Phase 5 Expansion (2019 - Present)

Over the past few years, AECOM has developed a Phase 5 project which includes five (5) key elements:

- Construction of a new Peak Flow Storage Tank (PFST) at the WWTF
- 2. Replacement of the WWTF's existing Disk Filters
- 3. Replacement of the WWTF's existing UV System
- 4. Construction of a new Effluent Pump Station at the WWTF
- 5. Additional Sewer Connections in the collection system

AECOM provided engineering and permitting services for the \$8M Phase 5 expansion and is currently overseeing the construction of this work.

#### Phase 6 Expansion (2022 - Present)

AECOM is currently working with the Town to develop a \$75 million expansion which will expand the sewer town-wide. The proposed Phase 6 project will include the following:

- Expand wastewater treatment capacity from 750,000 gpd to 1.125 MGD
- Provide additional subsurface effluent disposal beds to provide increased disposal capacity
- Expand the wastewater collection system to serve the entire town

G. KEY	PERSONNEL PARTICIPATIO	N IN I	EXAN	/IPLE	PRO	JECT	s							
26. NAMES OF KEY PERSONNEL	27. ROLE IN THIS CONTRACT	2			28. EXAMPLE PROJECTS LISTED IN SECTION F									
(From Section E, Block 12)	(From Section E, Block 13)	1	2	3	4	5	6	7	8	9	10			
Scott Thibault, PE, DBIA	Project Executive	•	•	•	•	•	•	•	•		•			
Brian Stitt, PEng, CBC, DBIA	Project Manager	•	•	•										
Carolyn Bonaventura, CGC, DBIA	Deputy Project Manager / Pre-construction	•	•											
Simon Baker, PEng	W/WW Plant - QA/QC		•							•				
Chris Hill, PE, BCEE, ENV SP	W/WW Plant - QA/QC	•							•					
Lee Davis, CSP	Safety Director	•		•	•				•					
Bozho Handjiev, PE	Design Manager		•											
Rick Ulkus, CGC	Construction Manager / Constructability and Sequencing	•												
Bill Snow, PE	Water/Wastewater Engineering			•										
Will Lovins, PhD, PE	Water/Wastewater Engineering			•										
Keith Sears, PE	Process Engineering		•											
Ryan Edison	Modeling													
Sheldon Barnes, PE	Process Mechanical Lead			•										
T.J. Catalano, PE	Structural Lead				•	•	•	•	•	•	•			
Daniel Aspesi, PE	Electrical Lead			•	•	•	•	•	•	•	•			
Sara Papazian, PE	I&C Lead				•	•	•	•	•	•	•			
Kelley Samuels, PWS, CERP	Environmental/permitting	•	•	•										
Abdullah Cheema	Procurement and GMP Development/Scheduling	•	•											
Andrew Detwiler	Cost Estimating	•	•	•					•		•			
Javier Salazar	Construction Inspection													

29. EXAMPLE PROJECTS KEY										
NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)	NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)							
1	Citywide Pump Station Rehabilitation Design-Build, City of Tampa, FL	6	WWTP Upgrades Design-Build-Operate, City of Springfield, MA							
2	Conserv 1 Water Reclamation Facility Improvements, Orlando, FL	7	WWTP Upgrades Design-Build-Operate, City of Lynn, MA							
3	Davie Water Reclamation Facility and Water Treatment Plant Progressive Design-Build, Davie, FL	8	Woonsocket Water Treatment Plant, Woonsocket, RI							
4	Newport Water Pollution Control Facilities Design-Build- Operate (DBO) – Plant Upgrades, City of Newport, RI	9	Regional Wastewater Control Facility Upgrades, Stockton, CA							
5	Lawton Valley and Station No. 1 Water Treatment Plants Design-Build, Newport, RI	10	Wastewater Treatment Facility & Hybrid Sewer Collection System DBO, Town of Provincetown, MA							

#### H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

# **Summary - Why Select AECOM**

As a leading multi-disciplinary engineering and design-build construction firm, AECOM provides expertise and service to ensure the successful execution of your projects. The AECOM team offers these key advantages to the City

Proven Leaders in Water and Wastewater Treatment	Selecting the AECOM team to deliver your design-build projects offers the City a partnership with a nationally recognized firm known for their extensive experience in water and wastewater treatment plant planning, design, and construction Our team is deeply rooted in South Florida, with over 30 years of dedicated service, local knowledge, and strong relationships with local partners, ensuring innovative and efficient solutions tailored to the City's needs.
Strong Leadership for Successful Project Delivery	Brian Stitt has a proven track record in managing design-build water and wastewater treatment and infrastructure projects. Brian's experience ensures effective execution and seamless communication with the City. His leadership will drive the success of your projects.
Deep Local Commitment	Our deep-rooted community commitment and strong partnerships with local firms guarantee innovative, efficient solutions tailored to the City's needs. With many team members based in South Florida and extensive experience working on design-build projects, we are dedicated to delivering quality work on time, within budget, and to the City's satisfaction.

#### Introduction to AECOM

AECOM is a premier, fully integrated professional and technical services corporation with a comprehensive capability to design, build, finance and operate infrastructure assets around the world for public- and private sector clients. AECOM is a global provider of professional technical and management support services in a broad range of markets, including water, wastewater, transportation, facilities, parks and recreation, environmental and energy. While AECOM is worldwide, we value the local relationships we have developed with municipalities in South Florida and throughout the state.

AECOM's professionals are driven by a common commitment to work in partnership with our clients to find practical, cost-effective solutions to their infrastructure needs. Many of our professionals worked for public agencies before joining the firm. They understand the needs, pressures, and constraints faced by clients when developing and implementing programs in public settings. As a result, AECOM experts are adept at forging true partnerships with clients and stakeholders as they strive to deliver programs innovatively and cost effectively.

AECOM has strategically teamed with a high quality and successful construction firm, **RF Environmental Services, Inc.** They are highly experienced and specialize in water and

wastewater construction, with a strong local presence, to assist us in the completion of your projects. Our subcontractor partner will be part of an integrated design-build team, allowing the City to have a single point of contact through AECOM. We will be responsible for technical consistency and quality throughout the project on all tasks and deliverables.



A Sewer and Waste



AECOM is ranked as the #2 design firm in Florida and the #2 top design firm overall by Engineering News-Record (ENR) in their annual Top 500 Design Firms rankings. Additionally, we have been named the World's Most Admired Company in our industry by Fortune magazine.

# I. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.

31 SIGNATURE

32. DATE

April 2, 2025

31. SIGNATURE Scatt K. Thitask

33. NAME AND TITL

Scott Thibault, PE, DBIA - Project Director, Authorized Signatory









# **ARCHITECT - ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER (If anv)

#### **PART II - GENERAL QUALIFICATIONS** (If a firm has branch offices, complete for each specific branch office seeking work.) 2a. FIRM (OR BRANCH OFFICE) NAME 3. YR ESTABLISHED 4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) 1970 AECOM Technical Services, Inc. EPUXNLX5EYC4 (Unique Entity Number) 2b. STREET 5. OWNERSHIP 110 East Broward Boulevard, Suite 700 2d. STATE 2e. ZIP CODE Corporation b. SMALL BUSINESS STATUS Fort Lauderdale FL 33301 6a. POINT OF CONTACT NAME AND TITLE 7. NAME OF FIRM (If block 2a is a branch office) Dan Levy, PG, Vice President Business Development **6b. TELEPHONE NUMBER** 6c. E-MAIL ADDRESS AECOM Technical Services, Inc. 561.862.1117 dan.levy@aecom.com 8a. FORMER FIRM NAME(S) (If any) 8b YR. ESTABLISHED 8c. UNIQUE ENTITY IDENTIFIER No firm name changes during the last six years 10. PROFILE OF FIRM'S EXPERIENCE AND 9. EMPLOYEES BY DISCIPLINE **ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS** c. Revenue c. No. of Employees a. Profile Function b. Discipline b. Experience Index Number Code (1) FIRM (see below) Code GLOBAL #s OFFICE #s 06 Architect 1,398 2 A05/A06 Airports; Terminals and Hangars; Lighting; Fueling 10 07 **Biologist** 228 1 C15 Construction Management 10 08 **CADD** Technician 1.899 1 C18 Cost Estimating; Cost Eng. & Analysis 6 D01/D02 10 Chemical Engineer 183 1 Dams (Earth; Rock); Dikes; Levees 9 12 Civil Engineer 6,886 8 D04 Design-Build - Preparation of RFPs 8 14 Computer Programmer 124 1 E02 Educational Facilities; Classrooms 10 15 Construction Inspector 1,014 1 E07 Energy Conservation; New Energy Sources 9 16 Construction Manager 1.102 3 E09 Env. Impact Studies, Assessments or Statements 10 1 F12 Environmental Remediation 21 1,904 10 **Electrical Engineer** 3 G01 Garages; Vehicle Maint. Facilities; Parking Decks 7 23 **Environmental Engineer** 1,104 24 **Environmental Scientist** 1,735 4 G04 GIS: Development, Analysis, & Data Conversion 8 29 1 H01 Harbors; Jetties; Piers; Ship Terminal Facilities 7 **GIS Specialist** 498 30 Geologist 876 3 H07 Highways; Streets; Airfield Paving; Parking Lots 10 1 H09 Hospital; Medical Facilities 9 36 Industrial Hygienist 13 42 Mechanical Engineer 1,625 3 M05 Military Design Standards 6 Project Manager [subset of other disciplines] 48 [8,171] [26] O01 Office Buildings; Industrial Parks 9 57 Structural Engineer 2,244 3 P05/P06 Planning (Community, etc.; Site, Installation & Project) 10 58 Technician/Analyst 2,081 6 P12 Power Generator; Transmission 10 60 Transportation Engineer 1,315 10 R06 Rehabilitation (Buildings; Structures; Facilities) 8 62 Water Resources Engineer 644 2 S04 Sewage Collection, Treatment and Disposal 10 S05 Soils & Geologic Studies; Foundations 7 Other technical staff 24,032 23 S09 Structural Design; Special Structures 7 S10 Surveying; Platting; Mapping; Flood Plain Studies 7 S13 Storm Water Handling & Facilities 8 Total 50,905 78 T03 Traffic & Transportation Engineering 10 10 W02/W03 Water Resources; Water Supply Treatment/Distribution 11. ANNUAL AVERAGE PROFESSIONAL SERVICES PROFESSIONAL SERVICES REVENUE INDEX NUMBER **REVENUES OF FIRM FOR LAST 3 YEARS** Less than \$100,000 \$2 million to less than \$5 million (Insert revenue index number shown at right) \$100,000 to less than \$250,000 \$5 million to less than \$10 million a. Federal Work \$250.000 to less than \$500.000 \$10 million to less than \$25 million b. Non-Federal Work \$500,000 to less than \$1 million \$25 million to less than \$50 million c. Total Work 10 \$1 million to less than \$2 million 10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts

b. DATE

01 January 2025

Anthony Funkhouser, Vice President, Federal Strategy & Growth Lead, National Governments

STANDARD FORM 330 (REV 7/2021) PAGE 6



# **ARCHITECT – ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER (If any)

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	813.636	5.2453	ch	arlie.eva	ns@aecc	m.cc	om				
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06	Architect		1,398	2	A05/A06	_		als and Hangars; Li	ighting; Fueling	10	
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12	Civil Engineer		6,886	46	C18			Cost Eng. & Analy		6	
15	Construction Ir	·	1,014	57	D01/D02	_		ock); Dikes; Levees		9	
16	Construction N		1,102	6	D04			Preparation of RFPs	3	8	
18	Cost Engineer		646	9	E02	Educational Facilities; Classrooms			10		
21	Electrical Engi		1,904	12	E07	Energy Conservation; New Energy Sources			9		
23	Environmental		1,104	8	E09	Env. Impact Studies, Assessments or Statements			10		
25	Fire Protection		116	5	E12	Environmental Remediation			10		
27		eotechnical Engineer	808	2	G01	Garages; Vehicle Maint. Facilities; Parking Decks			7		
29	GIS Specialist		498	6	G04			ent, Analysis, & Dat		8	
30	Geologist	1.24 4	876	3	H01	_		Piers; Ship Termin		7	
39	Landscape Ard		552	9	H07		-	ets; Airfield Paving;	Parking Lots	10	
42	Mechanical Er	-	1,625	8	H09		pital; Medica			9	
47	Planner: Urbar	-	558	2	M05		ary Design S			6	
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57	Structural Eng		2,244	25				nunity, etc.; Site, Ins	staliation & Project)	10	
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60	Transportation	-	1,315 644	23 6	R06 S04			uildings; Structures		8	
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c. NAME AND TITLE
Anthony Funkhouser, Vice President, Federal Strategy & Growth Lead, National Governments

STANDARD FORM 330 (REV 7/2021) PAGE 6



# **ARCHITECT - ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER (If any)

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2b. STREET									LFUXI	5. OWNERSHIP	ility Nulliber)
150 North Orange Avenue, Suite 200								a. TYPE			
2c. CITY			2d. STATE		2e. ZIP C	ODE				Corporation	
Orland			F	-L		3280	1	b. SMAL	L BUSIN	ESS STATUS	
6a. POIN	T OF CONTACT	NAME AND TITLE								Large	
	• •	AP, Associate Vice I				ership	)	7. NAME	OF FIRM	N (If block 2a is a branci	n office)
6b. TELE	PHONE NUMBE			L ADDRES				A	ECOM	Technical Services	s, Inc.
	407.843				ur@aecc	m.co					
	88	a. FORMER FIRM NAM	E(S) (If ar	iy)			8b YR. I	ESTABLIS	HED	8c. UNIQUE ENTITY	IDENTIFIER
No firm ı	name changes	s during the last six ye	ears								
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06	Architect		1,398	8	A05/A06	Airpo	orts; Termina	als and Ha	angars; Li	ighting; Fueling	10
80	CADD Technic	cian	1,899	3	C15	_	struction Ma				10
11	Chemist		109	2	C18	Cost	Estimating;	Cost Eng	. & Analy	rsis	6
12	Civil Engineer		6,886	26	D01/D02	Dam	is (Earth; Ro	ock); Dikes	; Levees	i	9
15	Construction In	nspector	1,014	12	D04	_	gn-Build – F			3	8
16	Construction N	/lanager	1,102	6	E02	Educ	cational Fac	ilities; Clas	srooms		10
18	Cost Engineer	/Estimator	646	2	E07	_	gy Conserv				9
19	Ecologist		397	4	E09	Env. Impact Studies, Assessments or Statements			10		
21	Electrical Engi		1,904	9	E12	_	Environmental Remediation			10	
23	Environmental		1,104	14	G01	Garages; Vehicle Maint. Facilities; Parking Decks			7		
24	Environmental	Scientist	1,735	8	G04	_				a Conversion	8
30	Geologist		876	6	H01	_	ors; Jetties;				7
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42	Mechanical Er	0	1,625	4	H09	-	oital; Medica				9
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62	Water Resource	ces Engineer	644	4	S04 S05	_	age Collecti & Geologic				10 7
		Other technical staff	22,816	59	S09		ctural Design				7
		Other technical stair	22,010	39	S10	_		· ·		l Plain Studies	7
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c. NAME AND TITLE
Anthony Funkhouser, Vice President, Federal Strategy & Growth Lead, National Governments

STANDARD FORM 330 (REV 7/2021) PAGE 6



# **ARCHITECT – ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER

#### **PART II - GENERAL QUALIFICATIONS** (If a firm has branch offices, complete for each specific branch office seeking work.) 2a. FIRM (OR BRANCH OFFICE) NAME 3. YR ESTABLISHED 4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) 1970 AECOM Technical Services, Inc. EPUXNLX5EYC4 (Unique Entity Number) 2b. STREET 5. OWNERSHIP 2090 Palm Beach Lakes Boulevard, Suite 600 2e. ZIP CODE Corporation b. SMALL BUSINESS STATUS FL West Palm Beach 33409 6a. POINT OF CONTACT NAME AND TITLE 7. NAME OF FIRM (If block 2a is a branch office) Karen Brandon, PE, Associate Vice President, Principal Client Service Manager **6b. TELEPHONE NUMBER** 6c. E-MAIL ADDRESS AECOM Technical Services, Inc. 561.684.3375 karen.brandon@aecom.com 8a. FORMER FIRM NAME(S) (If any) 8b YR. ESTABLISHED 8c. UNIQUE ENTITY IDENTIFIER No firm name changes during the last six years 10. PROFILE OF FIRM'S EXPERIENCE AND 9. EMPLOYEES BY DISCIPLINE **ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS** c. Revenue c. No. of Employees a. Profile Function b. Discipline b. Experience Index Number Code (1) FIRM (see below) Code GLOBAL #s OFFICE #s 02 Administrative 1,366 1 A05/A06 Airports; Terminals and Hangars; Lighting; Fueling 10 Architect 06 1,398 1 C15 Construction Management 10 08 **CADD** Technician 1.899 2 C18 Cost Estimating; Cost Eng. & Analysis 6 Chemist D01/D02 109 1 Dams (Earth; Rock); Dikes; Levees 9 11 12 Civil Engineer 6,886 9 D04 Design-Build - Preparation of RFPs 8 16 Construction Manager 1,102 6 E02 Educational Facilities; Classrooms 10 21 **Electrical Engineer** 1,904 2 E07 Energy Conservation; New Energy Sources 9 23 **Environmental Engineer** 1.104 1 E09 Env. Impact Studies, Assessments or Statements 10 1 F12 Environmental Remediation 24 **Environmental Scientist** 1,735 10 Foundation/Geotechnical Engineer 1 G01 Garages; Vehicle Maint. Facilities; Parking Decks 7 27 808 29 **GIS Specialist** 498 1 G04 GIS: Development, Analysis, & Data Conversion 8 876 1 Harbors; Jetties; Piers; Ship Terminal Facilities 7 30 Geologist H01 34 Hvdrologist 51 1 H07 Highways; Streets; Airfield Paving; Parking Lots 10 42 1 H09 Hospital; Medical Facilities 9 Mechanical Engineer 1,625 47 Planner: Urban/Regional 558 1 M05 Military Design Standards 6 Project Manager [subset of other disciplines] [8,171] 48 [12] O01 Office Buildings; Industrial Parks 9 52 Sanitary Engineer 123 1 P05/P06 Planning (Community, etc.; Site, Installation & Project) 10 58 Technician/Analyst 2,081 4 P12 Power Generator; Transmission 10 60 Transportation Engineer 1,315 1 R06 Rehabilitation (Buildings; Structures; Facilities) 8 S04 Sewage Collection, Treatment and Disposal 10 S05 Soils & Geologic Studies; Foundations 7 Other technical staff 25.467 14 S09 Structural Design; Special Structures 7

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

Less than \$100,000

50

S10

S13

T03

\$2 million to less than \$5 million

(Insert revenue index number shown at right) \$100,000 to less than \$250,000 a. Federal Work \$250.000 to less than \$500.000 b. Non-Federal Work

10

Total

\$5 million to less than \$10 million \$10 million to less than \$25 million

\$500,000 to less than \$1 million \$1 million to less than \$2 million \$25 million to less than \$50 million

10. \$50 million or greater

Surveying; Platting; Mapping; Flood Plain Studies

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

Storm Water Handling & Facilities

Traffic & Transportation Engineering

W02/W03 Water Resources; Water Supply Treatment/Distribution

12. AUTHORIZED REPRESENTATIVE

b. DATE

01 January 2025

Anthony Funkhouser, Vice President, Federal Strategy & Growth Lead, National Governments

50,905

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c. Total Work

7

8

10 10



# **ARCHITECT - ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER (If any)

					DAI OI	JALIFICATI	IONS		
		(If a firm has branch			-			work.)	
2a. FIRM	(OR BRANCH O		, 0,,,,,	Compicto	, ioi odoii	3. YR ESTABLIS	SHED 4. UNIQ	UE ENTITY IDENTIFIE	
AECOM Technical Services, Inc.						1970	003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)		
2b. STREET							EFUXI	5. OWNERSHIP	ility Number)
250 Apollo Drive				a. TYPE					
2c. CITY			2d. STATE		2e. ZIP C		Corporation		
Chelms			N	ЛΑ	01824 b. SMALL BUSINESS STATUS			_	
6a. POIN	T OF CONTACT	NAME AND TITLE			Large 7. NAME OF FIRM (If block 2a is a bi			Large	h office)
John C	ardoni, PE, N	ortheast Region Exec	utive				7. NAME OF FIRM	II (II DIOCK ZA IS A DIAIIC	n onice)
6b. TELE	PHONE NUMBE	R	6c. E-MAIL ADDRESS			AECOM Technical Services, Inc.			s. Inc.
	978.905	5.2100	jo	hn.cardo	ni@aeco	m.com			,
	88	a. FORMER FIRM NAM	E(S) (If ar	ny)		8b YR.	ESTABLISHED	8c. UNIQUE ENTITY	/ IDENTIFIER
No firm r	name changes	s during the last six ye	ears						
	9. EMP	LOYEES BY DISCIPLIN	NE					XPERIENCE AND FOR LAST 5 YEAR	RS
a.			c. No. of E	mployees	a. Profile				c. Revenue
Function Code	b.	Discipline	(1) FIRM	(2) BRANCH			b. Experience		Index Number
	A 1.24 4		GLOBAL #s	OFFICE #s		A:		to the control of the	(see below)
06	Architect		1,398	5	A05/A06 C15	· ·	nals and Hangars; L	ignting; Fueling	10
07	Biologist CADD Technic	rian	1,899	6 15	C18	Cost Estimation	anagement g; Cost Eng. & Analy	reie	10 6
10	Chemical Eng		183	10	D01/D02	_	ock); Dikes; Levees		9
11	Chemist	IIICCI	109	11	D01/D02		Preparation of RFPs		8
12	Civil Engineer		6,886	63	E02	Educational Facilities; Classrooms			10
21	Electrical Engi		1,904	16	E07	Energy Conservation; New Energy Sources			9
23	Environmental		1,104	32	E09	Env. Impact Studies, Assessments or Statements			10
24	Environmental	Scientist	1,735	43	E12	Environmental Remediation			10
27	27 Foundation/Geotechnical Engineer			12	G01	Garages; Vehic	le Maint. Facilities; F	Parking Decks	7
29	GIS Specialist		498	5	G04	GIS: Development, Analysis, & Data Conversion			8
30	Geologist		876	26	H01	Harbors; Jetties	Harbors; Jetties; Piers; Ship Terminal Facilities		
39	Landscape Ar		552	5	H07		Highways; Streets; Airfield Paving; Parking Lots		
42	Mechanical Er	0	1,625	11	H09	Hospital; Medic			9
47	Planner: Urba		558	4	M05	Military Design			6
48		JEF [subset of other disciplines]	[8,171]	[106]	O01		; Industrial Parks		9
57	Structural Eng		2,244	8	P05/P06		munity, etc.; Site, Ins	stallation & Project)	10
58	Technician/An		2,081	5	P12		or; Transmission	v Cocilitics\	10 8
60	Transportation	-	1,315 644	4	R06 S04		Buildings; Structures	· · · · · · · · · · · · · · · · · · ·	
02	Water Resour	ces Engineer	044	16	S04 S05		tion, Treatment and	<u>'</u>	7
		Other technical staff	24,258	89	S09		Soils & Geologic Studies; Foundations Structural Design; Special Structures		7
		Other teermoon stan	24,200		S10		ting; Mapping; Flood		7
					S13		andling & Facilities		8
		Total	50,905	386	T03		ortation Engineering	1	10
			,		W02/W03			eatment/Distribution	10
11. ANI	NUAL AVERAG	E PROFESSIONAL SE	RVICES		PROI	ESSIONAL SE	RVICES REVENU	E INDEX NUMBER	
		IRM FOR LAST 3 YEA		1. Less	than \$100	0.000	6. \$2	million to less than \$	5 million
(Insert revenue index number shown at right)  a. Federal Work  10			ant)			s than \$250,000		million to less than \$	
a. Federal Work 10 b. Non-Federal Work 10					3. \$250,000 to less than \$500,000 8. \$10 million to less than \$2				
c. Total Work 10				1 '		s than \$1 millions s than \$2 million		million to less than million or greater	noillim uc¢
G. TOTAL V	c. Total Work 10 5. \$1 million to less than \$2 million 10. \$50 million or greater  12. AUTHORIZED REPRESENTATIVE								
						ment of facts.			
a. SIGM	TURE	11.						b. DATE	
( dr	thong C.	11/						01 January	2025
O NIAME	AMOVITIE							-	

Anthony Funkhouser, Vice President, Federal Strategy & Growth Lead, National Governments

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# **Experience and References as the Prime Design Build Entity**

<u>Please detail your experience and references. Identify three (3) municipalities or governmental agencies where you have delivered design-build services for municipal utility infrastructure or similar sectors in the past five years. For each project, include the following information as outlined in the table below.</u>

Project Name:	Tampa Wastewater Pump Station Rehabilitation Progressive
	Design-Build, Tampa, FL
Brief Scope of Work:	Under a 5-year contract with the City of Tampa, AECOM is the prime design-builder for the rehab of 25 wastewater pump stations including three force main replacement HDPE DR-11 sites totaling 2,500 linear feet of pipeline. For this progressive design-build project, AECOM is both the engineer of record for the design work and general contractor for the proposed construction work. AECOM is currently in Year 3 of this contract. Each year AECOM prepares a 90% design and Guaranteed Maximum Price (GMP) proposal for the City to conduct a grouping of capital upgrade projects that the City has selected.
Project Designer:	AECOM Technical Services, Inc.
List of Subcontractors (if any):	Granger Maintenance & Construction
	Accurate Drilling Systems, Inc.
	Electrical Design Associates  Northwest Surveying, Inc.
Project Timeline:	7 0
(Detail the timeline of the project,	Design Award: March 9, 2021  Procurement: Various dates throughout 5-year contract
including the design award, procurement,	Construction Phases: 5 Yearly Design and Construction
construction phases, and final	Final Completion: Upon Rehabilitation Completion of 24 Pump Stations
completion).	
Completion within Schedule: (Specify if the project was completed within the agreed timeline).	On-going. Current Year 3 Design Phase of 5 Year Design & Construction Phase
Project Owner:	City of Tampa
Owner's Contact Information:	Jack Ferras, PE - Design Division Head, Wastewater
(Include the name, phone number, and email of the contact person).	jack.ferras@tampagov.net 813.310.3412
Project Cost:	Year 1 Design: \$1,1184,339
	Year 2 Design & Construction: \$16,162,719
	Year 3 Design: \$1,163,685
Change Orders (if any):	Change Order #1: Meter and Cellular Revision
	Change Order #2: Rome Ave Force Main Reroute
Warranties issues (if any):_	None

# **Experience and References as the Prime Design Build Entity**

Please detail your experience and references. Identify three (3) municipalities or governmental agencies where you have delivered design-build services for municipal utility infrastructure or similar sectors in the past five years. For each project, include the following information as outlined in the table below.

Project Name:	Provincetown Wastewater Treatment, Collection, and Disposal System Design-Build-Operate, Town of Provincetown, MA			
Brief Scope of Work:	Under a 20-year Design-Build-Operate agreement AECOM is the prime design-builder and operator for the Town's wastewater collection, treatment, and disposal system. AECOM designed and built the Town's WWTP consisting of headworks screening, biological treatment in sequencing batch reactors (SBRs), disk filtration, and UV disinfection. Solids handling includes thickening, storage, and disposal. The collection system consists of 36,000 feet of vacuum sewers, 41,000 feet of gravity sewers, and 5,600 ft of force mains.			
Project Designer:	AECOM Technical Services, Inc.			
List of Subcontractors (if any):	Robert B. Our Co., Inc. – Subcontractor  Woodard & Curran – Subcontractor/Operator and System Integration			
Project Timeline: (Detail the timeline of the project, including the design award, procurement, construction phases, and final completion).	Phase 1 (2001–2003) Phase 1a (2003-2006) Phase 2 (2006-2008) Phase 3 (2008-2013) Phase 4 (2013 – 2019) Phase 5 (2019 – 2023) Phase 6 (2022 – Present)			
Completion within Schedule: (Specify if the project was completed within the agreed timeline).	All phases were completed on schedule.			
Project Owner:	Town of Provincetown, Massachusetts			
Owner's Contact Information: (Include the name, phone number, and email of the contact person).	Jim Vincent - Director of Public Works 508.487.7060 jvincent@provincetown-ma.gov			
Project Cost:	Phase 1       (2001–2003)       \$16.7M         Phase 1a       (2003-2006)       \$1.7M         Phase 2       (2006-2008)       \$7.0M         Phase 3       (2008-2013)       \$18.7M         Phase 4       (2013 – 2019)       \$4.9M         Phase 5       (2019 – 2023)       \$9.0M         Phase 6       (2022 – Present)       \$18.0M         TOTAL TO DATE       \$76.0M			
Change Orders (if any):	Each of the phases above was added to the DBO scope of work by contract amendment.			
Warranties issues (if any):	None			

# **Experience and References as the Prime Design Build Entity**

Please detail your experience and references. Identify three (3) municipalities or governmental agencies where you have delivered design-build services for municipal utility infrastructure or similar sectors in the past five years. For each project, include the following information as outlined in the table below.

Project Name:	Springfield Wastewater Treatment Facility Design-Build Springfield, MA
Brief Scope of Work:	Capital Improvements including 1) installation of new centrifuge dewatering facilities, 2) major upgrade to aeration system including new mixers, pumping systems, and 25,000 membrane diffusers, 3) new headworks upgrade including new wash press and HVAC/odor control systems and, 4) major electrical upgrade with new redundant electrical feeds throughout the plant and new main switchgears.
Project Designer:	AECOM Technical Services, Inc.
List of Subcontractors (if any):	R.H. White – Mechanical Construction Subcontractor  Electrical Energy Systems – Electrical Construction Subcontractor  Aaron Associates – SCADA Integration Subcontractor
Project Timeline: (Detail the timeline of the project, including the design award, procurement, construction phases, and final completion).	Design Award: Oct. 2020 (Centrifuge & Washpress) & Oct. 2021 (All other upgrades)  Procurement: Jan-Apr 2021 (Centrifuge & Washpress) & Jan-June 2022 (all others)  Construction Phases: July-Nov 2021 (Centrifuge & Washpress) & Aug 2022 - present  Final Completion: Nov 2021 for Centrifuge & Washpress, July-Aug 2024 (all other upgrades), Phase 2 electrical cable replacement work ongoing at present
Completion within Schedule: (Specify if the project was completed within the agreed timeline).	All upgrades were completed on or before schedule, except for the Owner initiated electrical change order work. Final electrical work will be completed Fall 2025
Project Owner:	Springfield Water & Sewer Commission – Owner Veolia North America – Facility Operator
Owner's Contact Information: (Include the name, phone number, and email of the contact person).	Steven Frederick, PE - Director of Wastewater steven.frederick@waterandsewer.org 413.452.1300, Ext 194
Project Cost:	\$33.6 Million
Change Orders (if any):	\$5.1 Million (\$3.45M Owner initiated)
Warranties issues (if any):	None

#### **Scrutinized Company Certification**

I hereby swear or affirm that as of the date below this company is not listed on a Scrutinized Companies list created pursuant to 215.4725, 215.473, or 287.135, Florida Statutes. Pursuant to 287.135, Florida Statutes I further affirm that:

- (1) This company is not participating in a boycott of Israel such that it is not refusing to deal, terminating business activities, or taking other actions to limit commercial relations with Israel, or persons or entities doing business in Israel or in Israeli-controlled territories, in a discriminatory manner.
- (2) This Company does not appear on the Scrutinized Companies with Activities in Sudan List where the State Board of Administration has established the following criteria:
  - Have a material business relationship with the government of Sudan or a governmentcreated project involving oil related, mineral extraction, or power generation activities, or
  - Have a material business relationship involving the supply of military equipment, or
  - Impart minimal benefit to disadvantaged citizens that are typically located in the geographic periphery of Sudan, or
  - Have been complicit in the genocidal campaign in Darfur.
- (3) This Company does not appear on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List where the State Board of Administration has established the following criteria:
  - Have a material business relationship with the government of Iran or a governmentcreated project involving oil related or mineral extraction activities, or
  - Have made material investments with the effect of significantly enhancing Iran's petroleum sector.
- (4) This Company is not engaged in business operations in Cuba or Syria.

VENDOR/COMPANY NA	ME: AECOM Technical S	Services, Inc.	
SIGNATURE: Scale	K. Thetast		
PRINTED NAME:	Cook Thib and DE		
TITLE: Senior Vice Pre	sident	DATE: March 10, 2025	

The scrutinized company list is maintained by the State Board of Administration and available at <a href="http://www.sbafla.com/">http://www.sbafla.com/</a>

# **NON-COLLUSIVE AFFIDAVIT FORM**

State of Florida)					
County of Orange )					
Scott Thibault, PE		being first duly sworn, deposes			
and says that:					
		ent, (Owner, Partner, Officer, cal Services, Inc, the Offeror that			
He/she is fully informed regarding Proposal and of all pertinent circumstand		aration and contents of the attached ling such Proposal;			
Such Proposal is genuine and is not a co	ollusive or	sham Proposal;			
Neither the said Offeror nor any of its officers, partners, owners, agents representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Offeror firm, or person to submit a collusive or sham Proposal in connection with the Work for which the attached Proposal has been submitted; or to refrain from bidding in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any Offeror, firm, or person to fix the price or prices in the attached Proposal or of any other Offeror, or to fix any overhead, profit, or cost elements of the Proposal price or the Proposal price of any other Offeror, or to secure through any collusion, conspiracy, connivance, or unlawfu agreement any advantage against (Recipient), or any person interested in the proposed Work;					
by any collusion, conspiracy, connivance	e, or unla	sal are fair and proper and are not tainted wful agreement on the part of the Offeror wners, employees or parties in interest,			
Signed, sealed, and delivered in the presence of:		1.1 V Sto-1 12			
Juli Binaco Juli Ducco	Ву	Scott K. Thetast			
Witness		Scott K. Thibault			
Witness	_	Printed Name Senior Vice President			

#### DRUG-FREE WORKPLACE PROGRAM FORM

In accordance with Section 287.087, State of Florida Statutes, 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 for the procurement of commodities or contractual service, 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. In the event that none of the tied vendors have a Drug-free Workplace program in effect, the CITY reserves the right to make final Decisions in the CITY's best interest. 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.
- 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 employees 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 contenders to, any violation of Chapter 893, Florida Statutes, or of any controlled substance law of the United States of 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 convicted.
- 6. Make a good faith effort to continue to maintain a drug-free workplace through implementation.

If bidder's company has a Drug-free Workplace Program, so certify below:

AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS FIRM COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.

SIGNATURE OF BIDDER: Set K. Throat

\_\_\_**DATE**: March 10, 2025

Scott Thibault, PE, Senior Vice President AECOM Technical Services, Inc.

#### BYRD ANTI LOBBYING CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

### To be submitted with each bid or offer exceeding \$100,000

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

AECOM Technical Services, Inc. The Contractor,, certifies or affirms to fits certification and disclosure, if any. In addition, provisions of 31 U.S.C. §3801 et seq. apply to this contract.	the Contractor understands and agrees that the
Signature of Contractor's Authorized Official	
Scott Thibault, PE, Senior Vice President	
Name and Title of Contractor's Authorized Official	
Date_ March 10, 2025	

# STATEMENT OF COMPLIANCE - SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS

The undersigned Contractor hereby swears under penalty of perjury that Contractor took the following affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms were used when possible:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists:
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

Commerce.							
Dated <u>MANOU 10</u> , 20 25	AECOM Technical Services, Inc.						
By Soft K. Thetail	Contractor						
	(Signature)						
By Scott Thibault, PE, Senior Vice President							
STATE OF FLORIDA )							
COUNTY OF DRANGE )							
COUNTY OF DICENTES )							
online notarization this viday of mance	physical presence or physical presence or 20½ by \( \sum \text{thisensy} \) who is personally known to mentification and who did/did not take an oath. WITNESS my						
(NOTARY SEAL)							
Betwo							
(Signature of person taking acknowledgment	t)						
BARSAND I LANGUTE	BARBARA J. LARENTE						
(Print Name of Officer taking acknowledgme							
NOTATIO	OF THE CONTROL OF THE						
(Title or rank)							
My Commission expires: (Serial number, if any)	6						

# CITY OF MARGATE E-VERIFY FORM

Project Name:	DESIGN BUILD CONTINUING SERVICES
Project No.:	RFQ NO. 2025-004

#### Definitions:

"Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration.

"Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

Effective January 1, 2021, public and private employers, contractors and subcontractors will begin required registration with, and use of the E-verify system in order to verify the work authorization status of all newly hired employees. Vendor/Consultant/Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

- a) All persons employed by Vendor/Consultant/Contractor to perform employment duties within Florida during the term of the contract; and
- b) All persons (including subvendors/subconsultants/subcontractors) assigned by Vendor/Consultant/Contractor to perform work pursuant to the contract with the Department. The Vendor/Consultant/Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with the City of Margate; and
- c) Should vendor become successful Contractor awarded for the above-named project, by entering into this Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination and shall be liable for any additional costs incurred by the City as a result of the termination.

N N	Company Name:	AECOM Technical Services, Inc.
INFORMATION	Authorized Signature	: Soft K. Thetart
FOR	Print Name:	Scott Thibault, PE
	Title	Senior Vice President
CONTACT	Date:	March 10, 2025
	Phone:	978-496-7237
COMPANY	Email:	scott.thibault@aecom.com
C	Website:	www.aecom.com

ACKNOWLEDGEMENT

# **Affidavit Attesting to Noncoercive Conduct for Labor or Services**

Nongovernment Entity name: AECOM To	echnical Servi	ces, In	С.		(	("Vendor")
Vendor FEIN: 95-2661922						
Address: 300 South Grand Avenue,	9th Floor					_
City: Los Angeles		State:	CA	Zip:	90071	
Phone number: 978-496-7237	Email Address:	scot	t.thibau	lt@aeco	m.com	

As a nongovernmental entity executing, renewing, or extending a contract with a government entity, **Vendor** is required to provide an affidavit under penalty of perjury attesting that Vendor does not use coercion for labor or services in accordance with Section 787.06. Florida Statutes.

As defined in Section 787.06(2)(a), coercion means:

- 1. Using or threating to use physical force against any person;
- 2. Restraining, isolating, or confining or threating to restrain, isolate, or confine any person without lawful authority and against her or his will;
- 3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or service are not respectively limited and defined;
- 4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- 5. Causing or threating to cause financial harm to any person;
- 6. Enticing or luring any person by fraud or deceit; or
- 7. Providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03 to any person for the purpose of exploitation of that person.

As a person authorized to sign on behalf of Vendor, I certify that Vendor does not use coercion for labor or services in accordance with Section 787.06.

Written Declaration

Under penalties of perjury, I declare that I have read	the foregoing	Affidavit ar	nd that the	facts stated	in
it are true.					

Under penalties of pe	rjury, I declare that I have read the foregoing Affidavit and that the facts stated in
it are true.	
By: Scott K.	The tank
	zed Signature
Print Name and Title:	Scott Thibault, PE, Senior Vice President
Date:	March 10, 2025

# AFFIDAVIT REGARDING PROHIBITION ON CONTRACTING WITH ENTITIES OF FOREIGN COUNTRIES OF CONCERN

Pursuant to Section 287.138, Florida Statutes (which is expressly incorporated herein by reference), the City may not knowingly enter into a contract with an entity which would give access to an individual's personal identifying information if (a) the entity is owned by the government of a foreign country of concern; (b) the government of a foreign country of concern has a controlling interest in the entity; or (c) the entity is organized under the laws of or has its principal place of business in a foreign country of concern.

This affidavit must be completed by an officer or representative of an entity submitting a bid, proposal, or reply to, or entering into, renewing, or extending, a contract with the City which would grant the entity access to an individual's personal identifying information.
1. AECOM Technical Services, Inc. ("entity") does not meet any of the criteria in paragraphs (2)(a)-(c) of Section 287.138, F.S.
In the presence of: Under penalties of perjury, I declare that I have read the foregoing and the facts stated in it are true:
Witness #1 Print Name: Print Name: Title: Entity Name: Entity Name:
State of Florida County of ORANGE
Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this <u>10</u> day of <u>March</u> , 2025 by <u>Scorth Barch</u> (name of person) as <u>Save of Accom Tournical</u> (type of authority) for <u>Services inc</u> (name of party on behalf of whom instrument is executed).
Personally known to me; or Produced identification (Type of Identification:)

MY COMMISSION # HH 275714

Did take an oath; or Did not take an oath

### **ACKNOWLEDGEMENT FORM**

### ADDENDUM NO. 1

### RFQ NO. 2025-004

I acknowledge receipt of Addendum No. 1 for RFQ No. 2025-004. This addendum contains four (4) pages. Please include the original of this form in your qualifications submission.

Company Name:	AECOM Technical S	Services, Inc.		
Address: 110 E	ast Broward Boulevard	l, Suite 700 Fo	ort Lauderdale, FL 33301	
Name of SignerScott Thibault, PE				
(please print) Signature:	Soft K. Thetault		Date:_February, 24, 2025	
Telephone: 30	05.444.4691	Facsimile:	N/A	
Please fax your co	ompleted form to (954)	935-5258 or e	e-mail to <u>purchase@margatefl.com</u>	

<u>Kelly McGilvray</u> Kelly McGilvray Buyer II

Thursday, February 20, 2025

NOTE: The original of this form must be included with your qualifications submission.

### **ACKNOWLEDGEMENT FORM**

### ADDENDUM NO. 2

### RFQ NO. 2025-004

I acknowledge receipt of Addendum No. 2 for RFQ No. 2025-004. This addendum contains seven (7) pages. Please include the original of this form in your qualifications submission.

Company Name	e: AECOM Technical Services, Inc.
Address: 110	East Broward Boulevard, Suite 700 Fort Lauderdale, FL 33301
Name of Signer (please print)	
Signature:	Date: March 18, 2025
Telephone:	305.444.4691 Facsimile: N/A
Please fax your	completed form to (954) 935-5258 or e-mail to <a href="mailto:purchase@margatefl.com">purchase@margatefl.com</a> .

Kelly McGilvray Kelly McGilvray Buyer II

Monday, March 3, 2025

NOTE: The original of this form must be included with your qualifications submission.

#### **About AECOM**

AECOM is the global infrastructure leader, committed to delivering a better world. As a trusted professional services firm powered by deep technical abilities, we solve our clients' complex challenges in water, environment, energy, transportation and buildings. Our teams partner with public- and private-sector clients to create innovative, sustainable and resilient solutions throughout the project lifecycle — from advisory, planning, design and engineering to program and construction management. AECOM is a Fortune 500 firm that had revenue of \$16.1 billion in fiscal year 2024. Learn more at aecom.com.

#### **About AECOM**

#### Contact

AECOM 110 E. Broward Blvd., Suite 700 Fort Lauderdale, FL 33301

Scott Thibault, PE, DBIA scott.thibault@aecom.com

Brian Stitt, PEng, CBC, DBIA brian.stiff@aecom.com 954.629.4444



