



**CITY OF FORT LAUDERDALE  
City Commission Agenda Memo  
REGULAR MEETING**

**#23-0069**

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**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Greg Chavarria, City Manager

**DATE:** February 21, 2023

**TITLE:** Motion Approving Civil Engineering Services Continuing Agreements -  
AECOM Technical Services, Inc., Black and Veatch Corp., Calvin, Giordano  
& Associates, Inc., Chen Moore and Associates, Inc., Craven Thompson &  
Associates, Inc., Hazen and Sawyer, PC and Kimley-Horn and Associates,  
Inc. - \$3,000,000 - (**Commission Districts 1, 2, 3 and 4**)

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**Recommendation**

Staff recommends the City Commission approve continuing agreements, in substantially the forms attached, for Civil Engineering Services with the following firms: AECOM Technical Services, Inc.; Black and Veatch Corp.; Calvin, Giordano & Associates, Inc.; Chen Moore and Associates, Inc.; Craven Thompson & Associates, Inc.; Hazen and Sawyer, PC; and Kimley-Horn and Associates, Inc., in the estimated initial two-year term aggregate amount of \$3,000,000.00, and authorize the City Manager to approve two (2), one-year renewal options, in the estimated annual renewal aggregate amount of \$1,500,000, for a potential total contract collective amount of \$6,000,000, contingent upon appropriation of funds.

**Background**

The City of Fort Lauderdale solicited for qualified consulting firms to provide Civil Engineering Services for municipal projects. It is the intent of the City to use the selected consultants on an as-needed basis. The specific scope of work and fee schedule for each work will be individually agreed upon by the City and the consultants. Task orders are to be distributed evenly amongst the consultants following the normal task order approval process.

On February 25, 2022, the Procurement Services Division issued Request for Qualifications (RFQ) 12637-421 - Civil Engineering Services. A total of twenty-nine (29) firms submitted proposals for consulting services. Eight (8) of these firms listed their status as a Disadvantaged Business Enterprise (DBE).

1. A&P Consulting Transportation Engineers, Corp.
2. AE Engineering, Inc. (DBE)
3. AECOM Technical Services, Inc.
4. Arcadis U.S., Inc. (DBE)
5. Black & Veatch Corporation
6. Calvin, Giordano & Associates, Inc.
7. Carnahan Proctor & Cross
8. CES Consultants, Inc. (DBE)
9. Chen Moore and Associates
10. Craven Thompson & Associates, Inc.
11. CSA Central, Inc.
12. EAC Consulting, Inc.
13. EXP U.S. Services Inc.
14. Florida Technical Consultants, LLC
15. Gannett Fleming, Inc.
16. Hazen and Sawyer, PC
17. HBC Engineering Company (DBE)
18. HDR Engineering, Inc.
19. Jacobs Engineering Group Inc. (DBE)
20. KCI Technologies, Inc.
21. Keith and Associates, Inc.
22. Kimley-Horn and Associates, Inc.
23. M&J Engineering, P.C. (DBE)
24. R. J. Behar & Company, Inc. (DBE)
25. Rummel, Klepper & Kahl, LLP
26. Stantec Consulting Services Inc.
27. Tetra Tech, Inc.
28. Woolpert, Inc. (DBE)
29. WSP USA Inc.

On May 18, 2022, the Evaluation Committee convened and shortlisted the top ten (10) highest-ranked vendors:

1. Craven Thompson & Associates, Inc.
2. Chen Moore and Associates
3. Hazen and Sawyer, PC
4. Jacobs Engineering Group Inc.
5. Kimley-Horn and Associates, Inc.
6. AECOM Technical Services, Inc.
7. Calvin, Giordano & Associates, Inc.
8. Tetra Tech, Inc.
9. Black & Veatch Corporation
10. Keith and Associates, Inc.

On May 31, 2022, these firms were invited to conduct vendor presentations to the Evaluation Committee (Committee). The firms' presentations were ranked based on the evaluation criteria shown in the table below.

Evaluation Criteria	Weight (%)
Firm Qualifications and Experience	35
Project Team Experience and Qualifications	35
Methodology and Approach to Scope of Work	30
<b>TOTAL</b>	<b>100</b>

The Evaluation Committee recommended the top seven (7) highest ranked vendors for award.

1. Craven Thompson & Associates, Inc.
2. Chen Moore and Associates
3. AECOM Technical Services, Inc.



4. Hazen and Sawyer, PC
5. Calvin, Giordano & Associates, Inc.
6. Kimley-Horn and Associates, Inc.
7. Black & Veatch Corporation

### **Resource Impact**

There will be a current fiscal year impact of \$1,500,000 for the award. Funds for these agreements in the amount of \$1,500,000 are available in the FY 2023 Community Investment Plan in the account(s) listed below. Future years' expenditures are contingent upon the approval and appropriation of the annual budgets.

<b><i>Funds available as of January 11, 2023</i></b>					
<b>ACCOUNT NUMBER</b>	<b>PROJECT NAME (Program)</b>	<b>CHARACTER/ ACCOUNT NAME</b>	<b>AMENDED BUDGET (Character)</b>	<b>AVAILABLE BALANCE (Character)</b>	<b>AMOUNT</b>
10-331-9100-538-60-6534-P12330	City-Owned Seawall Restoration and Replacement	Capital Outlay /Consultant Engineering	\$1,225,038	\$1,225,038	\$300,000
10-454-7999-536-60-6534-P12408	Force Main (From Pump Station A-54 to A-10) Upsize	Capital Outlay /Consultant Engineering	\$430,254	\$430,254	\$255,000
10-454-7999-536-60-6534-P12803	Poinsettia Drive Small Watermain Improvements	Capital Outlay /Consultant Engineering	\$250,000	\$250,000	\$200,000
10-470-7999-538-60-6534-P12478	Stormstation 1 Fixed Emergency Generator	Capital Outlay /Consultant Engineering	\$520,250	\$520,250	\$160,000
10-470-7999-538-60-6534-P12479	Stormstation 2 Fixed Emergency Generator	Capital Outlay /Consultant Engineering	\$436,000	\$436,000	\$185,000
10-470-7999-538-60-6534-P12815	NE 32 <sup>nd</sup> Avenue and NE 30 <sup>th</sup> Street Stormwater Improvements	Capital Outlay /Consultant Engineering	\$89,610	\$89,610	\$85,000

10-470-7999-538-60-6534-P12818	Sailboat Bend Stormwater Improvements	Capital Outlay /Consultant Engineering	\$135,960	\$135,960	\$60,000
10-470-7999-538-60-6534-P12819	NE 11 <sup>th</sup> Court and Seminole Drive Stormwater Improvements	Capital Outlay /Consultant Engineering	\$387,280	\$387,280	\$100,000
10-470-7999-538-60-6534-P12820	Holly Height Drive Stormwater Improvements	Capital Outlay /Consultant Engineering	\$89,610	\$89,610	\$80,000
10-470-7999-538-60-6534-P12821	SE 1 <sup>st</sup> and 2 <sup>nd</sup> Streets., West of US1 Stormwater Improvements	Capital Outlay /Consultant Engineering	\$158,620	\$158,620	\$75,000
				<b>PURCHASE TOTAL ►</b>	<b>\$1,500,000</b>

### **Strategic Connections**

This item is a *2022 Top Commission Priority*, advancing the Infrastructure and Resiliency initiative.

This item supports the *Press Play Fort Lauderdale 2024 Strategic Plan*, specifically advancing:

- The Infrastructure Focus Area
- Goal 1: Build a sustainable and resilient community
- Objective: Proactively maintain our water, wastewater, stormwater, road, and bridge infrastructure

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Ready*

This item supports the *Advance Fort Lauderdale 2040 Comprehensive Plan* specifically advancing:

- The Infrastructure Focus Area
- The Sanitary Sewer, Water & Stormwater Element
- Goal 6: Ensure that all areas of the City are reasonably protected from flooding giving due consideration to the City's natural and built environment.

**Attachments**

Exhibit 1 - Solicitation  
Exhibit 2 - Final Ranking  
Exhibit 3 - AECOM Technical Services, Inc. Agreement  
Exhibit 4 - Black & Veatch Corporation Agreement  
Exhibit 5 - Calvin, Giordano & Associates, Inc. Agreement  
Exhibit 6 - Chen Moore and Associates Agreement  
Exhibit 7 - Craven Thompson & Associates, Inc. Agreement  
Exhibit 8 - Hazen and Sawyer, PC Agreement  
Exhibit 9 - Kimley-Horn and Associates, Inc. Agreement

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Prepared by: Rares Petrica, Senior Project Manager, Public Works  
Erick Martinez, Senior Procurement Specialist, Finance  
Friseta Davis, Sr. Administrative Assistant, Procurement

Department Directors: Alan Dodd, Public Works  
Linda Short, Finance

**AGREEMENT**

**between**

**City of Fort Lauderdale**

**and**

**AECOM Technical Services, Inc.**

**for**

**CIVIL ENGINEERING SERVICES**

**RFQ No. 12637-421**

## **AGREEMENT**

THIS IS AN AGREEMENT made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2023, by and between:

CITY OF FORT LAUDERDALE, a Florida  
municipality, (hereinafter referred to as "CITY")

and

AECOM Technical Services, Inc., a California  
corporation authorized to transact business in  
the State of Florida (hereinafter referred to as  
"CONSULTANT")

WHEREAS, the City Commission of the City of Fort Lauderdale, Florida at its meeting of February 21, 2023 authorized by motion the execution of this Agreement between CONSULTANT and CITY authorizing the performance of Civil Engineering Services, RFQ No. 12637-421, incorporated herein, (the "Agreement"); and

WHEREAS, the CONSULTANT is willing and able to render professional services for the compensation and on the terms hereinafter set forth;

NOW, THEREFORE, in consideration of the mutual covenants, agreements, terms, and conditions contained herein, the Parties hereto, do agree as follows:

### ARTICLE 1 DEFINITIONS AND IDENTIFICATIONS

For the purposes of this Agreement and the various covenants, conditions, terms and provisions which follow, the DEFINITIONS and IDENTIFICATIONS set forth below are assumed to be true and correct and are therefore agreed upon by the Parties.

- 1.1 AGREEMENT: Means this document between the CITY and CONSULTANT dated \_\_\_\_\_, and any duly authorized and executed Amendments to Agreement.
- 1.2 BASIC SERVICES: Services performed by CONSULTANT for authorized scope of work for the Project phase described in this Agreement and listed in Exhibit "A," Scope of Services.
- 1.3 CHANGE ORDER: A written order, executed by both Parties, to the CONSULTANT and approved by the CITY, authorizing a revision of this Agreement between the CITY and CONSULTANT that is directly related to the original scope of work or an adjustment in the original contract price or the contract time directly related to the original scope of work, executed on or

after the effective date of this Agreement.

- 1.4 CITY: The City of Fort Lauderdale, a Florida municipality.
- 1.5 CITY MANAGER: The City Manager of the City of Fort Lauderdale, Florida.
- 1.6 COMMISSION: The City Commission of the City of Fort Lauderdale, Florida, which is the governing body of the CITY government.
- 1.7 CONSTRUCTION DOCUMENTS: Those working drawings and specifications and other writings setting forth in detail and prescribing the work to be done, the materials, workmanship and other requirements for construction of the entire Project, including any bidding information.
- 1.8 CONSULTANT: AECOM Technical Services, Inc., the CONSULTANT selected to perform professional services pursuant to this Agreement.
- 1.9 CONTRACT ADMINISTRATOR: The Public Works Director for the City of Fort Lauderdale, or his or her designee. In the administration of this Agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator, made within the scope of his/her authority.
- 1.10 CONTRACTOR: One or more individuals, firms, corporations or other entities identified as such by a written agreement with CITY ("Contract for Construction") to perform the construction services required to complete the Project.
- 1.11 DEPARTMENT DIRECTOR: The Director of the Public Works Department for the City of Fort Lauderdale.
- 1.12 ERROR: A mistake in design, plans and/or specifications that incorporates into those documents an element that is incorrect and is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes mistakes in design, plans, specifications and/or shop drawings review that lead to materials and/or equipment being ordered and/or delivered where additional costs are incurred.
- 1.13 NOTICE TO PROCEED: A written Notice to Proceed with the Project issued by the Contract Administrator.
- 1.14 OMISSION: A scope of work missed by CONSULTANT that is necessary for the Project, including a quantity miscalculation, which was later discovered and added by Change Order and which is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes design that was wrong, but was corrected after award to the Contractor, but before the construction process was materially affected.



- 1.15 PLANS AND SPECIFICATIONS: The documents setting forth the final design plans and specifications of the Project, including architectural, civil, structural, mechanical, electrical, communications and security systems, materials, lighting equipment, site and landscape design, and other essentials as may be appropriate, all as approved by CITY as provided in this Agreement.
- 1.16 PROJECT: The Civil Engineering Consultant Services set forth in a specific Task Order's scope of work. The services to be provided by CONSULTANT shall be as defined in this Agreement and further detailed in Task Orders for individual projects or combinations of projects. The Project planning, design and construction may occur in separate phases and Task Orders at the CITY'S discretion.
- 1.17 SPECIFICATIONS: The specifications referred to in this Agreement are the CONSTRUCTION STANDARDS AND SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January 1982, including any revisions.
- 1.18 TASK ORDER: A document setting forth a negotiated detailed scope of services to be performed by CONSULTANT at fixed contract prices in accordance with this Agreement between the CITY and CONSULTANT.
- 1.19 TIME OF COMPLETION: Time in which the entire work shall be completed for each Task Order.

## ARTICLE 2

### PREAMBLE

In order to establish the background, context and frame of reference for this Agreement and to generally express the objectives and intentions of the respective Parties hereto, the following statements, representations and explanations shall be accepted as predicates for the undertakings and commitments included within the provisions of this Agreement which follow and may be relied upon by the Parties as essential elements of the mutual considerations upon which this Agreement is based.

- 2.1 Pursuant to Section 287.055, Florida Statutes (2022), CITY has formed a Committee to evaluate CONSULTANT'S statement of qualifications and performance data to ensure that CONSULTANT has met the requirements of the Consultants' Competitive Negotiation Act, as set forth in Section 287.055, Florida Statutes (2022), and has selected CONSULTANT to perform services hereunder.

## ARTICLE 3

### SCOPE OF SERVICES

- 3.1 The CONSULTANT shall perform the following professional services: civil engineering services as more specifically described in Exhibit "A," Scope of Services, attached hereto and incorporated herein, and shall include, but not be

limited to, services as applicable and authorized by individual Task Orders for the individual projects in accordance with Article 6 herein. CONSULTANT shall provide all services set forth in Exhibit "A" including all necessary, incidental and related activities and services required by the Scope of Services and contemplated in CONSULTANT'S level of effort. CONSULTANT will perform the Services in accordance with standard industry practices, with the care, knowledge and skill expected of similar engineering firms. No other warranties, express or implied are made or intended.

- 3.2 CITY and CONSULTANT acknowledge that the Scope of Services does not delineate every detail and minor work tasks required to be performed by CONSULTANT to complete the Project. If, during the course of the performance of the services included in this Agreement, CONSULTANT determines that work should be performed to complete the Project, which is in CONSULTANT's opinion, outside the level of effort originally anticipated, whether or not the Scope of Services identifies the work items, CONSULTANT shall notify Contract Administrator and obtain written approval by the Contract Administrator before proceeding with the work. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. The CITY shall not pay for any work that is not approved by the Contract Administrator in writing. If CONSULTANT proceeds with said work without notifying the Contract Administrator, said work shall be deemed to be within the original level of effort, whether specifically addressed in the Scope of Services. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. Performance of work by CONSULTANT without prior written City approval is at CONSULTANT's sole risk.

#### ARTICLE 4 GENERAL PROVISIONS

- 4.1 Negotiations pertaining to the rates for professional services to be performed by CONSULTANT have been undertaken between CONSULTANT and CITY representatives pursuant to Section 287.055, Florida Statutes, and this Agreement incorporates the results of such negotiation.
- 4.2 CONSULTANT shall include CITY'S specific Task Order number as part of the heading on all correspondence, invoices and drawings. All correspondence shall be directed specifically to the Contract Administrator.

#### ARTICLE 5 PRIORITY OF PROVISIONS

- 5.1 The Contract Documents are intended to include all items necessary for the proper execution and completion of the Work by CONSULTANT. Any labor, services, materials, supplies, equipment or documentation that may reasonably be inferred from the Contract Documents or trade usage from prevailing custom as being required to produce the indicated result will be provided whether or not specifically

called for, at no additional cost to CITY. The Contract Documents are complementary, and wherever possible the provisions of the Contract Documents shall be construed in such manner as to avoid conflicts between provisions of the various Contract Documents. In the event of any inconsistency in the Contract Documents, where such inconsistency is not clarified by change order, addendum or amendment, the Contract Documents shall be construed according to the following priorities:

First priority: Approved Change Orders, Addendums or Amendments to all related documents.

Second priority: Specifications (quality) and Drawings (location and quantity) of CONSULTANT.

Third priority: This Agreement.

Fourth priority: City of Fort Lauderdale Request for Qualifications #12637-421.

Fifth priority: CONSULTANT'S response to City of Fort Lauderdale Request for Qualifications #12637-421.

- 5.2 Anything shown on the drawings and not mentioned in the specifications or mentioned in the specifications and now shown on the drawings, shall have the same effect as if shown or mentioned respectively in both. In the event of a conflict among the Contract Documents, the latest, most stringent, and more technical requirement(s), including, but not limited to, issues of quantities or cost of the Work shall control.

Reference to standard specifications, manuals, rules, regulations, ordinances, laws or codes of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, rule, regulation, ordinance, law or code in effect at the time of permit submittal.

## ARTICLE 6 TASK ORDERS

- 6.1 The Project will be divided into "Tasks."
- 6.2 Task Orders shall be jointly prepared by the CITY and CONSULTANT defining the detailed scope of services to be provided for the particular Project. Each Task Order shall be separately numbered and approved in accordance with this Agreement and all applicable CITY code requirements.
- 6.3 Under all Task Orders and Projects, CITY may require the CONSULTANT, by specific written authorization, and for mutually agreed upon additional compensation, to provide or assist in obtaining one or more of the following special services. These services may include, at the discretion of the CITY, the following items:

6.3.1 Providing additional copies of reports, contract drawings and documents;  
and

6.3.2 Assisting CITY with litigation support services arising from the planning,  
development, or construction.

6.4 Prior to initiating the performance of any services under this Agreement, CONSULTANT must receive a written Notice to Proceed / Purchase Order from the CITY. The CONSULTANT must receive the approval of the Contract Administrator or his designee in writing prior to beginning the performance of services in any subsequent Task Order under this Agreement.

6.5 If, in the opinion of the CITY, the CONSULTANT is improperly performing the services under a specific Task Order, or if at any time the CITY shall be of the opinion that said Task Order is being unnecessarily delayed and will not be completed within the agreed upon time, the CITY shall notify the CONSULTANT in writing. The CONSULTANT has within ten (10) working days thereafter to take such measures as will, in the judgment of the CITY, ensure satisfactory performance and completion of the Task Order. If the CONSULTANT fails to cure within the ten (10) working days, the CITY may notify the CONSULTANT to discontinue all work under the specified Task Order. The CONSULTANT shall immediately respect said notice and stop said work and cease to have any rights in the possession of the work and shall forfeit the Task Order and any remaining monies. The CITY may then decide, after City Commission approval, to issue a new Task Order for the uncompleted work to another consultant using the remaining funds. Any excess costs arising therefrom over and above the original Task Order price shall be charged against CONSULTANT, as the original CONSULTANT.

#### ARTICLE 7

#### TERM OF AGREEMENT; TIME FOR PERFORMANCE

7.1 The initial Agreement term shall commence upon final execution of the Agreement by the City and shall expire two (2) years from that date. The City reserves the right to extend the Agreement for two (2) additional two (2) year terms providing all terms conditions and specifications remain the same, both Parties agree to the extension, and such extension is approved by the City.

7.2 CONSULTANT shall perform the services described in Task Orders within the time periods specified in the Task Order. Said time periods shall commence from the date of the Notice to Proceed for such services.

7.3 Prior to beginning the performance of any services under this Agreement, CONSULTANT must receive a Notice to Proceed. CONSULTANT must receive written approval from the Contract Administrator prior to beginning the performance of services in any subsequent phases of the Agreement. Prior to granting approval for CONSULTANT to proceed to a subsequent phase, the

Contract Administrator may, at his or her sole option, require CONSULTANT to submit itemized deliverables/documents for the Contract Administrator's review.

- 7.4 In the event CONSULTANT is unable to complete any services because of delays resulting from untimely review by CITY or other governmental authorities having jurisdiction over the Project, and such delays are not the fault of CONSULTANT, or because of delays which were caused by factors outside the control of CONSULTANT, CITY shall grant a reasonable extension of time for completion of the services. It shall be the responsibility of the CONSULTANT to notify CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform CITY of all facts and details related to the delay.
- 7.5 The time for the performance of services described in assigned Task Orders shall be negotiated by the CITY and the CONSULTANT as the services are requested and authorized by the CITY.

## ARTICLE 8 COMPENSATION AND METHOD OF PAYMENT

### 8.1 AMOUNT AND METHOD OF COMPENSATION

#### 8.1.1 Not To Exceed Amount Compensation

CITY agrees to pay CONSULTANT as compensation for performance of all services as related to each Task Order under the terms of this Agreement a Not to Exceed Amount as agreed upon per Task Order. This compensation does not include Reimbursables as described in Section 8.2. It is agreed that the method of compensation is that of "Not to Exceed Amount" which means that CONSULTANT shall perform all services set forth in each Task Order for total compensation in the amount of or less than that stated total. The hourly rate-billing schedule to be used in negotiating each Task Order is attached as Exhibit "B" to this Agreement. As described in Section 9.1, no modification, amendment, or alteration to Exhibit "B" shall be effective unless contained in a written document prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.

A not to exceed proposal shall be accompanied by the CONSULTANT'S estimate. The estimate shall detail the direct labor costs by categories of employees, work hours, and hourly rate; overhead; direct non-salary expenses including reimbursables; and profit, or as required by individual Task Order.

### 8.2 REIMBURSABLES

- 8.2.1 Direct non-salary expenses, entitled Reimbursables, directly attributable to the Project will be charged at actual cost. Reimbursable expenses are in addition to the compensation for basic services and include actual expenditures made by the CONSULTANT and the CONSULTANT'S

employees directly attributable to the Project and will be charged at actual cost, without reference to the professional service fees above. CITY shall not withhold retainage from payments for Reimbursable Expenses. CONSULTANT shall be compensated for Reimbursables associated with a particular Task Order only up to the amount allocated for such Task Order. Any reimbursable or portion thereof which, when added to the Reimbursables related to a particular Task Order previously billed, exceeds the amount allocated for such Task Order shall be the responsibility of the CONSULTANT unless otherwise agreed to in writing by the Contract Administrator. Travel and subsistence expenses for the CONSULTANT, his staff and subconsultants and communication expenses, long distance telephone, courier and express mail between CONSULTANT's and subconsultants' various offices are not reimbursable under this Agreement. Reimbursables shall include only the following listed expenses unless authorized in writing by the Contract Administrator:

A. Cost of reproduction, postage and handling of drawings and specifications which are required to deliver services set forth in this Agreement, excluding reproductions for the office use of the CONSULTANT. Reimbursable printing and photocopying expenses shall include only those prints or photocopies of original documents which are (i) exchanged among CONSULTANT, CITY and other third parties retained or employed by any of them or (ii) submitted to CITY for review, approval or further distribution. Documents, which are reproduced for CONSULTANT'S internal drafts, reviews, or other purposes, are not eligible for reimbursement.

B. Identifiable testing costs and special inspections approved by Contract Administrator.

C. All permit fees paid to regulatory agencies for approvals directly attributable to the Project. These permit fees do not include those permits required for the construction Contractor.

D. Overnight Delivery/Courier Charges (when CITY requires/requests this service).

8.2.2 Reimbursable subconsultant expenses are limited to the items described above when the subconsultant agreement provides for reimbursable expenses. A detailed statement of expenses must accompany any request for reimbursement. Local travel to and from the Project site or within the Tri-County Area will not be reimbursed.

8.2.3 It is acknowledged and agreed to by CONSULTANT that the dollar limitation set forth in each Task Order is a limitation upon, and describes the maximum extent of CITY's obligation to reimburse CONSULTANT for direct, non-salary expenses, but does not constitute a limitation, of any sort, upon CONSULTANT'S obligation to incur such expenses in the performance of services hereunder. If CITY or Contract Administrator requests



CONSULTANT to incur expenses not contemplated in the amount for Reimbursables, CONSULTANT shall notify Contract Administrator in writing before incurring such expenses. Any such expenses shall be reviewed and approved by CITY prior to incurring such expenses.

### 8.3 METHOD OF BILLING

#### 8.3.1 Not To Exceed Amount Compensation

CONSULTANT shall submit billings, which are identified by the specific project number on a monthly basis in a timely manner for all salary costs and Reimbursables attributable to the Project. These billings shall identify the nature of the work performed for each phase, subtask, deliverable and item identified in the Exhibit "A" Scope of Services or Task Order, the total hours of work performed and the employee category of the individuals performing same. The statement shall show a summary of salary costs with accrual of the total and credits for portions paid previously. Subconsultant fees must be documented by copies of invoices or receipts, which describe the nature of the expenses and contain a project number or other identifier, which clearly indicates the expense, as identifiable to the Project. Except for meals and travel expenses, it shall be deemed unacceptable for the CONSULTANT to modify the invoice or receipt by adding a project number or other identifier. Internal expenses must be documented by appropriate CONSULTANT'S cost accounting forms with a summary of charges by category. When requested, CONSULTANT shall provide backup for past and current invoices that records hours and salary costs by employee category and subconsultant fees on a task basis, so that total hours and costs by task may be determined.

### 8.4 METHOD OF PAYMENT

8.4.1 CITY shall pay CONSULTANT in accordance with the Florida Prompt Payment Act. To be deemed proper, all invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by Contract Administrator.

8.4.2 CITY will review CONSULTANT'S invoices and, if inaccuracies or errors are discovered in said invoice, CITY will inform CONSULTANT within ten (10) working days by fax and/or by email of such inaccuracies or errors and request that revised copies of all such documents be re-submitted by CONSULTANT to CITY.

8.4.3 Payments are scheduled to be made by CITY to CONSULTANT using a credit card/CITY Procurement Card (P-Card).

8.4.4 Payment will be made to CONSULTANT at:

110 East Broward Blvd., Suite 700  
Fort Lauderdale, FL 33301

**ARTICLE 9**  
**AMENDMENTS AND CHANGES IN SCOPE OF SERVICES**

- 9.1 No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written Amendment prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.
- 9.2 CITY or CONSULTANT may request changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under a Task Order. Such changes must be contained in a written amendment, executed by the Parties hereto, with the same formality and of equal dignity herewith, prior to any deviation from the terms of the Task Order including the initiation of any additional services. CITY shall compensate CONSULTANT for such additional services as provided in Article 8.
- 9.3 In the event a dispute between the Contract Administrator and CONSULTANT arises over whether requested services constitute additional services and such dispute cannot be resolved by the Contract Administrator and CONSULTANT, such dispute shall be promptly presented to the City Manager for resolution. The City Manager's decision shall be final and binding on the Parties for amounts in the aggregate under \$100,000. In the event of a dispute in an amount over \$100,000, the Parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both Parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either Party may commence litigation to resolve the dispute in Broward County, Florida. Any resolution shall be set forth in a written document in accordance with Section 9.2 above. During the pendency of any dispute, CONSULTANT shall continue to perform the disputed services.

**ARTICLE 10**  
**CONSULTANT'S RESPONSIBILITIES**

- 10.1 The CONSULTANT, following the CITY'S approval of the Construction Documents and of the Final Statement of Probable Construction Costs, shall, when so directed and authorized by the CITY, assist the CITY in estimating construction costs, reviewing proposals, and assist in awarding agreements for construction. If requested, CONSULTANT shall review and analyze the proposals received by the CITY and shall make a recommendation for any award based on the City of Fort Lauderdale Procurement Ordinance.
- 10.2 Estimates, opinions of probable construction or implementation costs, financial evaluations, feasibility studies or economic analyses prepared by CONSULTANT will represent its best judgment based on its experience and available

information. The CITY recognizes that CONSULTANT has no control over costs of labor, materials, equipment or services furnished by others or over market conditions or CONSULTANT's methods of determining prices, and that any evaluation of a facility to be constructed or work to be performed is speculative. Accordingly, CONSULTANT does not guarantee that proposals, bids or actual costs will not vary from opinions, evaluations or studies submitted by CONSULTANT.

10.3 Should the lowest responsible, responsive proposal exceed the Final Statement of Probable Construction Costs by 10% or more, CONSULTANT shall, at the CITY'S direction, redesign each Project and/or work with the CITY to reduce the costs to within the Final Statement of Probable Construction Costs at no additional expense to the CITY. In such a circumstance, the CITY may at its sole discretion, exercise any one or more of the following options:

- CONSULTANT shall be required to amend at the sole cost and expense of CONSULTANT, the Construction Drawings, Technical Specifications and Supplemental Conditions to enable the project to conform to a maximum of ten (10%) above the Estimated Construction Costs of the project, such amendments to be subject to the written final acceptance and approval of same by the CITY;
- CONSULTANT shall be required to provide at the cost and expense of CONSULTANT, re-bidding services and related items (including costs associated with regulatory review and approval of revised documents) as many times as requested by the CITY until the base bid of at least one "best value" bid falls within the factor of ten (10%) of the Estimated Construction Cost of the project;
- The CITY may approve an increase in the Estimated Construction Cost of the Project;
- The CITY may reject all bids or proposals and may authorize re-bidding;
- The CITY may if permitted, approve a renegotiation of the Project within a reasonable time;
- The CITY may abandon the Project and terminate CONSULTANT'S work authorization and Services for the Project; or
- The CITY may select as many deductive alternatives as may be necessary to bring the award within ten percent (10%) of the Estimated Construction Costs of the Project.

It is expressly understood and agreed that the redesigning services required to keep the Project within 10% of the Estimated Construction Cost shall not be considered additional services and CONSULTANT agrees that it shall not seek compensation from the CITY for such Services.

10.4 The CONSULTANT may be requested to provide the CITY with a list of recommended, prospective proposers.

10.5 The CONSULTANT may be asked to attend all pre-bid / proposal conferences.

- 10.6 The CONSULTANT shall recommend any addenda, through the Contract Administrator, as appropriate to clarify, correct, or change proposal /bid documents.
- 10.7 If pre-qualification of proposers is required as set forth in the request for proposal, CONSULTANT shall assist the CITY, if requested, in developing qualification criteria, review qualifications and recommend acceptance or rejection of the proposers. If requested, CONSULTANT shall evaluate proposals and proposers, and make recommendations regarding any award by the CITY.
- 10.8 The CITY shall make decisions on claims regarding interpretation of the Construction Documents, and on other matters relating to the execution and progress of the work after receiving a recommendation from CONSULTANT. CONSULTANT may also assist in approving progress payments to the Contractor based on each Project Schedule of Values and the percentage of work completed.
- 10.9 The CITY shall maintain a record of all Change Orders which shall be categorized according to the various types, causes, etc. that it may be determined are useful or necessary for its purpose. Among those shall be Change Orders identified as architectural/engineering Errors or Omissions.
- 10.9.1 Unless otherwise agreed by both Parties in writing, it is specifically agreed that any change to the work identified as an Error on the part of CONSULTANT shall be considered for purposes of this Agreement to be an additional cost to the CITY which would not be incurred without the Error. Errors on the part of the CONSULTANT shall be rectified by the CONSULTANT with no additional cost to the CITY.
- 10.9.2 Unless otherwise agreed by both Parties in writing, it is further specifically agreed for purposes of this Agreement that fifteen percent (15%) of the cost of Change Orders for any item categorized as an Omission shall be considered an additional cost to the CITY which would not be incurred without the Omission. So long as the total of those two numbers (Change Order costs of Errors plus fifteen percent (15%) of Omissions) remains less than two percent (2%) of the total Construction Cost of the Project, the CITY shall not look to CONSULTANT for reimbursement for Errors and Omissions.
- 10.9.3 Should the sum of the two as defined above (cost of Errors plus fifteen percent (15%) of the cost of Omissions) exceed two percent (2%) of the Construction Cost, the CITY shall recover the full and total additional cost to the CITY as a result of CONSULTANT'S Errors and Omissions from CONSULTANT, that being defined as the cost of Errors plus fifteen percent (15%) of the cost of Omissions above two percent (2%) of the Construction Cost.

- 10.9.4 To obtain such recovery, the CITY shall deduct from CONSULTANT'S fee a sufficient amount to recover all such additional cost to the CITY.
- 10.9.5 In executing this Agreement, CONSULTANT acknowledges acceptance of these calculations and to the CITY'S right to recover same as stated above. The recovery of additional costs to the CITY under this paragraph shall not limit or preclude recovery for other separate and/or additional damages which the CITY may otherwise incur.
- 10.9.6 10.9.6 The Contract Administrator's decision as to whether a Change Order is caused by an Error or caused by an Omission, taking into consideration industry standards, shall be final and binding on both Parties for amounts in the aggregate under \$100,000 per project, subject to Section 9.3. In the event of a dispute in an amount over \$100,000, the Parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both Parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either Party may commence litigation to resolve the dispute in Broward County, Florida.

#### ARTICLE 11 CITY'S RESPONSIBILITIES

- 11.1 CITY shall assist CONSULTANT by placing at CONSULTANT's disposal, all information CITY has available pertinent to the Project including previous reports and any other data relative to design or construction of the Project.
- 11.2 CITY shall arrange for access to, and make all provisions for, CONSULTANT to enter upon public and private property as required for CONSULTANT to perform its services.
- 11.3 CITY shall review the itemized deliverables/documents identified per Task Order.
- 11.4 CITY shall give prompt written notice to CONSULTANT whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of CONSULTANT'S services or any defect in the work of the Contractor.

#### ARTICLE 12 MISCELLANEOUS

##### 12.1 OWNERSHIP OF DOCUMENTS

All documents including, but not limited to, drawings, renderings, models, and

specifications prepared or furnished by CONSULTANT, its dependent professional associates and consultants, pursuant to this Agreement shall be owned by the CITY.

Drawings, specifications, designs, models, photographs, reports, surveys and other data prepared in connection with this Agreement are and shall remain the property of the CITY whether the Project for which they are made is executed or not, and are subject to reuse by the CITY in accordance with Section 287.055(10), Florida Statutes (2022). They are not intended or represented to be suitable for reuse by the CITY or others on extensions of this Project or on any other project without appropriate verification or adaptation. Any reuse, except for the specific purpose intended hereunder, will be at the CITY's sole risk and without liability or legal exposure to CONSULTANT or its subcontractors. This does not, however, relieve CONSULTANT of liability or legal exposure for errors, omissions, or negligent acts made on the part of CONSULTANT in connection with the proper use of documents prepared under this Agreement. Any such verification or adaptation may entitle CONSULTANT to further compensation at rates to be agreed upon by the CITY and CONSULTANT. This shall not limit the CITY'S reuse of preliminary or developmental plans or ideas incorporated therein, should the Project be suspended or terminated prior to completion.

## 12.2 TERMINATION

12.2.1 Termination for Cause. It is expressly understood and agreed that the CITY may terminate this Agreement at any time for cause in the event that the CONSULTANT (1) violates any provisions of this Agreement or performs same in bad faith or (2) unreasonably delays the performance of the services or does not perform the services in a timely and satisfactory manner upon written notice to the CONSULTANT. Notice of termination shall be provided in accordance with Section 12.27. In the case of termination by the CITY for cause, the CONSULTANT shall be first granted a 10-working day cure period after receipt of written notice from the CITY. In the event that the Agreement is terminated, the CONSULTANT shall be entitled to be compensated for the services rendered and accepted by the CITY from the date of execution of the Agreement up to the time of termination. Such compensation shall be based on the fee as set forth above, wherever possible. For those portions of services rendered to which the applicable fee cannot be applied, payment shall be based upon the appropriate rates for the actual time spent on the Project. In the event that the CONSULTANT abandons this Agreement or through violation of any of the terms and conditions of this Agreement, causes it to be terminated, CONSULTANT shall indemnify the CITY against any and all loss pertaining to this termination.

All finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by CONSULTANT shall become the property of CITY and shall be delivered by CONSULTANT to



the CITY within five (5) days of CITY's request. Upon payment of such sum by CITY to CONSULTANT, CITY shall have no further duties or obligations pursuant to or arising from this Agreement.

- 12.2.2 This Agreement may also be terminated by CITY upon such notice as CITY deems appropriate in the event CITY or Contract Administrator determines that termination is necessary to protect the public health, safety, or welfare.
- 12.2.3 Notice of termination shall be provided in accordance with Section 12.26, NOTICES, except that Contract Administrator may provide a prior verbal stop work order if the Contract Administrator deems a stop work order of this Agreement in whole or in part is necessary to protect the public's health, safety, or welfare. A verbal stop work order shall be promptly confirmed in writing as set forth in Section 12.26, NOTICES.
- 12.2.4 Termination for Convenience. In the event this Agreement is terminated for convenience, CONSULTANT shall be paid for any services performed and accepted by the CITY to the date the Agreement is terminated. Compensation shall be withheld until all documents specified in Section 11.3 of this Agreement are provided to the CITY. Upon being notified of CITY'S election to terminate, CONSULTANT shall refrain from performing further services or incurring additional expenses under the terms of this Agreement. Under no circumstances shall CITY make payment for services which have not been performed or not accepted.
- 12.2.5 Termination by Consultant. CONSULTANT shall have the right to terminate this Agreement only based upon breach by the CITY of its obligation under this Agreement as to unreasonable delay in payment or non-payment of undisputed amounts. CONSULTANT shall have no right to terminate this Agreement for convenience of the CONSULTANT.

### 12.3 AUDIT RIGHT AND RETENTION OF RECORDS

CITY shall have the right to audit the books, records, and accounts of CONSULTANT that are related to this Project. CONSULTANT shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project.

CONSULTANT shall preserve and make available, at reasonable times and upon prior written notice for examination and audit by CITY all financial records, supporting documents, statistical records, and any other documents pertinent to this Agreement for the required retention period of the Florida Public Records Act (Chapter 119, Florida Statutes), if applicable, or, if the Florida Public Records Act is not applicable, for a minimum of three (3) years after termination of this Agreement. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer,

the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONSULTANT'S records, CONSULTANT shall comply with all requirements thereof; however, no confidentiality or non-disclosure requirement of either federal or state law shall be violated by CONSULTANT. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for CITY'S disallowance and recovery of any payment upon such entry.

**12.4 NON-DISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT**

CONSULTANT shall not unlawfully discriminate against any person in its operations and activities in its use or expenditure of the funds or any portion of the funds provided by this Agreement and shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded in whole or in part by CITY, including Titles I and II of the ADA (regarding nondiscrimination or the basis of disability), and all applicable regulations, guidelines, and standards.

CONSULTANT'S decisions regarding the delivery of services under this Agreement shall be made without regard to or consideration of race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation, or any other factor which cannot be lawfully or appropriately used as a basis for service delivery.

CONSULTANT shall comply with Title I of the Americans with Disabilities Act regarding nondiscrimination on the basis of disability in employment and further shall not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, CONSULTANT shall take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

CONSULTANT shall take affirmative action to ensure that applicants are employed, and employees are treated without regard to race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability during employment. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

## **12.5 MINORITY AND DISADVANTAGED PARTICIPATION**

Historically, the CITY has been able to achieve participation levels of approximately twelve percent (12%) by MBE/WBE firms in CITY projects, and in the purchase of goods and services. The CONSULTANT shall make a good faith effort to help the CITY maintain and encourage MBE/WBE participation levels consistent with such historical levels and market conditions. The CONSULTANT will be required to document all such efforts and supply the CITY with this documentation at the end of the Project, or in cases where projects are longer than one year, each CITY fiscal year.

## **12.6 PUBLIC ENTITY CRIMES ACT**

In accordance with the Public Crimes Act, Section 287.133, Florida Statutes, a person or affiliate who is a contractor, consultant or other provider, who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to the City, may not submit a bid on a contract with the City for the construction or repair of a public building or public work, may not submit bids on leases of real property to the City, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with the City, and may not transact any business with the City in excess of the threshold amount provided in Section 287.017, Florida Statutes, for category two purchases for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. Violation of this section by Consultant shall result in cancellation of the City purchase and may result in Consultant debarment.

## **12.7 SUBCONSULTANTS**

12.7.1 CONSULTANT may subcontract certain items of work to subconsultant. The Parties expressly agree that the CONSULTANT shall submit pertinent information regarding the proposed subconsultant, including subconsultant's scope of work and fees, for review and approval by the CITY prior to subconsultant's proceeding with any work.

12.7.2 CONSULTANT shall utilize the subconsultants identified in the proposal that were a material part of the selection of CONSULTANT to provide the services for this Project. CONSULTANT shall obtain written approval of the Contract Administrator prior to changing or modifying the list of subconsultants submitted by CONSULTANT.

The list of subconsultants submitted is as follows:

- EAC Consulting, Inc.
- Keith & Associates, Inc.
- Woolpert, Inc.
- RADISE International, LC

## **12.8 ASSIGNMENT AND PERFORMANCE**

Neither this Agreement nor any interest herein shall be assigned, transferred, or encumbered without the written consent of the other Party, and CONSULTANT shall not subcontract any portion of the work required by this Agreement except as authorized pursuant to Section 12.7.

CONSULTANT represents that all persons delivering the services required by this Agreement have the knowledge and skills, either by training, experience, education, or a combination thereof, to adequately and competently perform the duties, obligations, and services set forth in the Scope of Services and to provide and perform such services to CITY's satisfaction for the agreed compensation.

CONSULTANT shall perform its duties, obligations, and services under this Agreement in a skillful and respectable manner. The quality of CONSULTANT'S performance and all interim and final product(s) provided to or on behalf of CITY shall meet or exceed all professional standards of the State of Florida.

## **12.9 INDEMNIFICATION OF CITY**

12.9.1 CONSULTANT shall indemnify and hold harmless CITY, its officers and employees, from liabilities, damages, losses, and costs, including but not limited to reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional misconduct of CONSULTANT and persons employed or utilized by CONSULTANT in the performance of this Agreement. These indemnifications shall survive the term of this Agreement. In the event that any action or proceeding is brought against CITY by reason of any such claim or demand, CONSULTANT, shall, upon written notice from CITY, resist and defend such action or proceeding by counsel approved by the CITY. In accordance with Florida Statutes Chapter 558, the CITY acknowledges that no individual employee or agent shall be held individually liable for damages, resulting from his/her negligence occurring within the scope of this Agreement.

12.9.2 To the extent considered necessary by Contract Administrator and CITY, any sums due the CONSULTANT under this Agreement may be retained by CITY until all of the CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.

12.9.3 The Indemnification provided above shall obligate CONSULTANT to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at CITY's option, any and all claims of liability and all suits and actions of every name and description covered by Section 11.9.1 above that may be brought against CITY whether performed by CONSULTANT, or persons employed or utilized by CONSULTANT.

#### **12.10 LIMITATION OF CITY'S LIABILITY**

The CITY desires to enter into this Agreement only if in so doing the CITY can place a limit on the CITY'S liability for any cause of action arising out of this Agreement, so that the CITY'S liability for any breach never exceeds the sum of \$1,000.00. For other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the CONSULTANT expresses its willingness to enter into this Agreement with the knowledge that the CONSULTANT'S recovery from the CITY to any action or claim arising from the Agreement is limited to a maximum amount of \$1,000.00 less the amount of all funds actually paid by the CITY to the CONSULTANT pursuant to this Agreement. Accordingly, and notwithstanding any other term or condition of this Agreement that may suggest otherwise, the CONSULTANT agrees that the CITY shall not be liable to the CONSULTANT for damages in an amount in excess of \$1,000.00, which amount shall be reduced by the amount actually paid by the CITY to the CONSULTANT pursuant to this Agreement, for any action or claim arising out of this Agreement. Nothing contained in this paragraph or elsewhere in this Agreement is in any manner intended either to be a waiver of the limitation placed upon the CITY'S liability as set forth in Section 768.28, Florida Statutes, or to extend the CITY'S liability beyond the limits established in said Section 768.28; and no claim or award against the CITY shall include attorney's fees, investigative costs, extended damages, expert fees, suit costs or pre-judgment interest. Notwithstanding the foregoing, the parties agree and understand that the provisions of this Article 12.10 do not apply to monies owed, if any, for services rendered to CONSULTANT by the CITY under the provisions of this Agreement.

#### **12.11 INSURANCE**

As a condition precedent to the effectiveness of this Agreement, during the term of this Agreement and during any renewal or extension term of this Agreement, the Consultant, at its sole expense, shall provide insurance of such types and with such terms and limits as noted below. Providing proof of and maintaining adequate insurance coverage are material obligations of the Consultant. The Consultant shall provide the City a certificate of insurance evidencing such coverage. The Consultant's insurance coverage shall be primary insurance for all applicable policies. The limits of coverage under each policy maintained by the Consultant shall not be interpreted as limiting the Consultant's liability and obligations under this Agreement. All insurance policies shall be through insurers authorized or eligible to write policies in the State of Florida and possess an A.M. Best rating of A-, VII or better, subject to approval by the City's Risk Manager.

The coverages, limits, and/or endorsements required herein protect the interests of the City, and these coverages, limits, and/or endorsements shall in no way be relied upon by the Consultant for assessing the extent or determining appropriate types and limits of coverage to protect the Consultant against any loss exposures, whether as a result of this Agreement or otherwise. The requirements contained

herein, as well as the City's review or acknowledgement, are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Consultant under this Agreement.

The following insurance policies and coverages are required:

**Commercial General Liability**

Coverage must be afforded under a Commercial General Liability policy with limits not less than:

- \$1,000,000 each occurrence and \$2,000,000 aggregate for Bodily Injury, Property Damage, and Personal and Advertising Injury
- \$1,000,000 each occurrence and \$2,000,000 aggregate for Products and Completed Operations

Policy must include coverage for contractual liability and independent contractors.

The City, a Florida municipal corporation, its officials, employees, and volunteers are to be covered as an additional insured with a CG 20 26 04 13 Additional Insured – Designated Person or Organization Endorsement or similar endorsement providing equal or broader Additional Insured Coverage with respect to liability arising out of activities performed by or on behalf of the Consultant. The coverage shall contain no special limitation on the scope of protection afforded to the City, its officials, employees, and volunteers.

**Professional Liability**

Coverage must be afforded for Wrongful Acts in an amount not less than \$1,000,000 each claim and \$2,000,000 aggregate.

Consultant must keep the professional liability insurance in force until the third anniversary of expiration or early termination of this Agreement or the third anniversary of acceptance of work by the City, whichever is longer, which obligation shall survive expiration or early termination of this Agreement.

**Business Automobile Liability**

Coverage must be afforded for all Owned, Hired, Scheduled, and Non-Owned vehicles for Bodily Injury and Property Damage in an amount not less than \$1,000,000 combined single limit each accident.

If the Consultant does not own vehicles, the Consultant shall maintain coverage for Hired and Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

**Workers' Compensation and Employer's Liability**

Coverage must be afforded per Chapter 440, Florida Statutes (2022). Any person or entity performing work for or on behalf of the City must provide Workers'



Compensation insurance. Exceptions and exemptions will be allowed by the City's Risk Manager, if they are in accordance with Florida Statutes.

The Consultant waives, and the Consultant shall ensure that the Consultant's insurance carrier waives, all subrogation rights against the City, its officials, employees, and volunteers for all losses or damages. The City requires the policy to be endorsed with WC 00 03 13 Waiver of our Right to Recover from Others or equivalent.

The Consultant must be in compliance with all applicable State and federal workers' compensation laws, including the U.S. Longshore Harbor Workers' Act and the Jones Act, if applicable.

Insurance Certificate Requirements

- a. The Consultant shall provide the City with valid Certificates of Insurance (binders are unacceptable) no later than ten (10) days prior to the start of work contemplated in this Agreement.
- b. The Consultant shall provide to the City a Certificate of Insurance having a thirty (30) day notice of cancellation; ten (10) days' notice if cancellation is for nonpayment of premium.
- c. In the event that the insurer is unable to accommodate the cancellation notice requirement, it shall be the responsibility of the Consultant to provide the proper notice. Such notification will be in writing by registered mail, return receipt requested, and addressed to the certificate holder.
- d. In the event the Agreement term or any surviving obligation of the Consultant following expiration or early termination of the Agreement goes beyond the expiration date of the insurance policy, the Consultant shall provide the City with an updated Certificate of Insurance no later than ten (10) days prior to the expiration of the insurance currently in effect. The City reserves the right to suspend the Agreement until this requirement is met.
- e. The Certificate of Insurance shall indicate whether coverage is provided under a claims-made or occurrence form. If any coverage is provided on a claims-made form, the Certificate of Insurance must show a retroactive date, which shall be the effective date of the initial contract or prior.
- f. The City shall be named as an Additional Insured on all liability policies, with the exception of Workers' Compensation.
- g. The City shall be granted a Waiver of Subrogation on the Consultant's Workers' Compensation insurance policy.
- h. The title of the Agreement, Bid/Contract number, event dates, or other identifying reference must be listed on the Certificate of Insurance.

The Certificate Holder should read as follows:

City of Fort Lauderdale  
100 N. Andrews Avenue  
Fort Lauderdale, FL 33301

The Consultant has the sole responsibility for all insurance premiums and shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, co-insurance penalty, or self-insured retention; including any loss not covered because of the operation of such deductible, co-insurance penalty, self-insured retention, or coverage exclusion or limitation. Any costs for adding the City as an Additional Insured shall be at the Consultant's expense.

If the Consultant's primary insurance policy/policies do not meet the minimum requirements, as set forth in this Agreement, the Consultant may provide evidence of an Umbrella/Excess insurance policy to comply with this requirement.

The Consultant's insurance coverage shall be primary insurance as respects to the City, a Florida municipal corporation, its officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, a Florida municipal corporation, its officials, employees, or volunteers shall be non-contributory.

Any exclusion or provision in any insurance policy maintained by the Consultant that excludes coverage required in this Agreement shall be deemed unacceptable and shall be considered breach of contract.

All required insurance policies must be maintained until the contract work has been accepted by the City, or until this Agreement is terminated, whichever is later. Any lapse in coverage shall be considered breach of contract. In addition, Consultant must provide to the City confirmation of coverage renewal via an updated certificate should any policies expire prior to the expiration of this Agreement. The City reserves the right to review, at any time, coverage forms and limits of Consultant's insurance policies.

The Consultant shall provide notice of any and all claims, accidents, and any other occurrences associated with this Agreement to the Consultant's insurance company or companies and the City's Risk Management office, as soon as practical.

It is the Consultant's responsibility to ensure that any and all of the Consultant's independent contractors and subconsultants comply with these insurance requirements. All coverages for independent contractors and subconsultants shall be subject to all of the applicable requirements stated herein. Any and all deficiencies are the responsibility of the Consultant.

**NOTE: CITY PROJECT NUMBER, PROJECT NAME AND BID NUMBER MUST APPEAR ON EACH CERTIFICATE, AND THE CITY OF FORT LAUDERDALE MUST BE NAMED ON THE CERTIFICATE AS AN "ADDITIONAL INSURED" ON REQUIRED LIABILITY POLICIES.**

## **12.12 REPRESENTATIVE OF CITY AND CONSULTANT**

12.12.1 The Parties recognize that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon CONSULTANT'S request, shall advise CONSULTANT in writing of one (1) or more CITY employees to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

12.12.2 CONSULTANT shall inform the Contract Administrator in writing of CONSULTANT'S representative to whom matters involving the conduct of the Project shall be addressed.

## **12.13 ALL PRIOR AGREEMENTS SUPERSEDED**

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein; and the Parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the Parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written.

It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

## **12.14 CONSULTANT'S STAFF**

CONSULTANT will provide the key staff identified in its proposal for the Project as long as said key staff are in CONSULTANT's employment.

CONSULTANT will obtain prior written approval of Contract Administrator to change key staff. CONSULTANT shall provide Contract Administrator with such information as necessary to determine the suitability of any proposed new key staff. Contract Administrator will be reasonable in evaluating key staff qualifications.

If Contract Administrator desires to request removal of any of CONSULTANT'S staff, Contract Administrator shall first meet with CONSULTANT and provide reasonable justification for said removal.

## **12.15 INDEPENDENT CONTRACTOR**

CONSULTANT is an independent contractor under this Agreement. Services provided by CONSULTANT shall be subject to the supervision of CONSULTANT. In providing the services, CONSULTANT or its agents shall not be acting and shall not be deemed as acting as officers, employees, or agents of the CITY. Personnel

policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this Agreement shall be those of CONSULTANT. The Parties expressly acknowledge that it is not their intent to create any rights or obligations in any third person or entity under this Agreement.

#### **12.16 THIRD PARTY BENEFICIARIES**

Neither CONSULTANT nor CITY intends to directly or substantially benefit a third party by this Agreement. Therefore, the parties agree that there are no third-party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against either of them based upon this Agreement.

#### **12.17 CONFLICTS**

Neither CONSULTANT nor its employees shall have or hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONSULTANT'S loyal and conscientious exercise of judgment related to its performance under this Agreement.

CONSULTANT agrees that none of its officers or employees shall, during the term of this Agreement, serve as expert witness against CITY in any legal or administrative proceeding in which he or she is not a party, unless compelled by court process, nor shall such persons give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY or in connection with any such pending or threatened legal or administrative proceeding. The limitations of this Section shall not preclude such persons from representing themselves in any action or in any administrative or legal proceeding.

In the event CONSULTANT is permitted to utilize subconsultants to perform any services required by this Agreement, CONSULTANT agrees to prohibit such subconsultants, by written contract, from having any conflicts as within the meaning of this Section.

#### **12.18 CONTINGENCY FEE**

CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONSULTANT, to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for CONSULTANT, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For a breach or violation of this provision, the CITY shall have the right to terminate this Agreement without liability at its discretion, or to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.

#### 12.19 WAIVER OF BREACH AND MATERIALITY

Failure by CITY to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement.

CITY and CONSULTANT agree that each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof.

#### 12.20 COMPLIANCE WITH LAWS

CONSULTANT shall comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations related to this Agreement.

#### 12.21 SEVERANCE

In the event this Agreement or a portion of this Agreement is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective unless CITY or CONSULTANT elects to terminate this Agreement. The election to terminate this Agreement based upon this provision shall be made within seven (7) days after the findings by the court become final.

#### 12.22 JOINT PREPARATION

Preparation of this Agreement has been a joint effort of CITY and CONSULTANT and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than any other.

#### 12.23 PRIORITY OF PROVISIONS

If there is a conflict or inconsistency between any term, statement, requirement, or provision of any exhibit attached hereto, any document or events referred to herein, or any document incorporated into this Agreement by reference and a term, statement, requirement, or provision of this Agreement, the term, statement, requirement, or provision contained in Articles 1-12 of this Agreement shall prevail and be given effect.

#### 12.24 APPLICABLE LAW AND VENUE AND WAIVER OF JURY TRIAL

This Agreement shall be construed in accordance with and governed by the laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this Agreement and for any other legal proceeding shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida. **BY ENTERING INTO THIS AGREEMENT, THE PARTIES HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY**

**HAVE TO A TRIAL BY JURY OF ANY ISSUES RELATED TO OR ARISING OUT OF THIS AGREEMENT. AFTER WRITTEN NOTICE BY THE OTHER PARTY OF VIOLATION OF THIS SECTION, THE PARTY MAKING THE REQUEST FOR JURY TRIAL SHALL BE LIABLE FOR THE REASONABLE ATTORNEYS' FEES AND COSTS OF THE OTHER PARTY IN CONTESTING THE REQUEST FOR JURY TRIAL, AND SUCH AMOUNTS SHALL BE AWARDED BY THE COURT IN ADJUDICATING THE MOTION.**

**12.25 ONE ORIGINAL AGREEMENT**

This Agreement shall be executed in one (1), signed Agreement, treated as an original.

**12.26 NOTICES**

Whenever either Party desires to give notice unto the other, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the Party for whom it is intended, at the place last specified, and the place for giving of notice in compliance with the provisions of this paragraph. For the present, the Parties designate the following as the respective places for giving of notice, to-wit:

CITY: Rares Petrica  
Project Manager  
City of Fort Lauderdale  
100 N. Andrews Avenue  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-8000  
Email: RPetrica@fortlauderdale.gov

With a copies to: City Manager  
City of Fort Lauderdale  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-5364

City Attorney  
City of Fort Lauderdale  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-5037

CONSULTANT: Karen Brandon, Associate Vice President  
AECOM Technical Services, Inc.  
110 East Broward Blvd., Suite 700  
Fort Lauderdale, FL 33301  
Telephone (561) 962-2570

Email: karen.brandon@aecom.com

#### **12.27 ATTORNEY FEES**

If CITY or CONSULTANT incurs any expense in enforcing the terms of this Agreement through litigation, the prevailing party in that litigation shall be reimbursed for all such costs and expenses, including but not limited to court costs, and reasonable attorney fees incurred during litigation.

#### **12.28 ENVIRONMENTAL, HEALTH AND SAFETY**

CONSULTANT shall maintain a safe working environment during performance of the work. CONSULTANT shall comply, and shall secure compliance by its employees, agents, and subconsultants, with all applicable environmental, health, safety and security laws and regulations, and performance conditions in this Agreement. Compliance with such requirements shall represent the minimum standard required of CONSULTANT. CONSULTANT shall be responsible for examining all requirements and determine whether additional or more stringent environmental, health, safety and security provisions are required for the work. CONSULTANT agrees to utilize protective devices as required by applicable laws, regulations, and any industry or CONSULTANT'S health and safety plans and regulations, and to pay the costs and expenses thereof, and warrants that all such persons shall be fit and qualified to carry out the Work.

#### **12.29 STANDARD OF CARE**

CONSULTANT represents that it is qualified to perform the work, that CONSULTANT and its subconsultants possess current, valid state and/or local licenses to perform the Work, and that their services shall be performed in a manner consistent with that level of care and skill ordinarily exercised by other qualified consultants under similar circumstances. Consultant will perform the services in accordance with standard industry practices, with the care, knowledge and skill expected of similar engineering firms. No other warranties, express or implied are made or intended.

#### **12.30 TRUTH-IN-NEGOTIATION CERTIFICATE**

Signature of this Agreement by CONSULTANT shall act as the execution of a Truth-in-Negotiation Certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to exclude any significant sums, by which the CITY determines that contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such contract adjustments must be made within 1 year following the end of the contract.

### 12.31 EVALUATION

The CITY maintains the right to periodically review the performance of the CONSULTANT. This review will take into account the timely execution of Task Orders, the quality of the work performed, the cost to the CITY and the good faith efforts made by the CONSULTANT to maintain MBE/WBE participation in CITY projects. Any deficiencies in performance will be described in writing and an opportunity afforded, where practicable, for the CONSULTANT to address and/or remedy such deficiencies.

### 12.32 STATUTORY COMPLIANCE

CONSULTANT shall prepare all documents and other materials for the Project in accordance with all applicable rules, laws, ordinances and governmental regulations of the State of Florida, Broward County, the City of Fort Lauderdale, Florida, and all governmental agencies having jurisdiction over the services to be provided by CONSULTANT under this Agreement or over any aspect or phase of the Project.

### 12.33 SCRUTINIZED COMPANIES

Prohibition Against Contracting With Scrutinized Companies: Subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), *affirmed*, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11<sup>th</sup> Cir. 2013), with regard to the "Cuba Amendment," the CONSULTANT certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and that it does not have business operations in Cuba or Syria, as provided in Section 287.135, Florida Statutes (2022), as may be amended or revised. The CONSULTANT certifies that it is not on the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2022), as may be amended or revised, and that it is not engaged in a boycott of Israel. The City may terminate this Agreement at the City's option if the CONSULTANT is found to have submitted a false certification as provided under subsection (5) of Section 287.135, Florida Statutes (2022), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2022), as may be amended or revised, or is engaged in a boycott of Israel or has been engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2022), as may be amended or revised.



By submitting a proposal or response, the CONSULTANT, principals, or owners certify that it is not listed on the Scrutinized Companies with Activities in Sudan List or listed on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria.

#### **12.34 PUBLIC RECORDS**

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES (2022), TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT CITY CLERK'S OFFICE, 100 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301, PHONE: 954-828-5002, EMAIL: PRRCONTRACT@FORTLAUDERDALE.GOV.**

Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.
2. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2022), as may be amended or revised, or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of this Agreement if CONSULTANT does not transfer the records to the City.
4. Upon completion of the Agreement, transfer, at no cost to the City, all public records in possession of CONSULTANT or keep and maintain public records required by the City to perform the service. If CONSULTANT transfers all public records to the City upon completion of this Agreement, CONSULTANT shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If CONSULTANT keeps and maintains public records upon completion of this Agreement, CONSULTANT shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

#### **12.35 INTELLECTUAL PROPERTY**

CONSULTANT shall protect and defend at CONSULTANT'S expense, counsel being subject to the City's approval, and indemnify and hold harmless the City from and against any and all losses, penalties, fines, damages, settlements, judgments, claims, costs, charges, royalties, expenses, or liabilities, including any award of attorney fees and any award of costs, in connection with or arising directly or indirectly out of any infringement or allegation of infringement of any patent, copyright, or other intellectual property right in connection with the CONSULTANT'S or the CITY'S use of any copyrighted, patented or un-patented invention, process, article, material, or device that is manufactured, provided, or used pursuant to this Agreement. If the CONSULTANT uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

#### **12.36 RIGHTS IN DOCUMENTS AND WORK**

Any and all reports, photographs, surveys, and other data and documents provided or created in connection with this Agreement are and shall remain the property of CITY; and CONSULTANT disclaims any copyright in such materials. In the event of and upon termination of this Agreement, any reports, photographs, surveys, and other data and documents prepared by CONSULTANT, whether finished or unfinished, shall become the property of City and shall be delivered by CONSULTANT to the CITY'S Contract Administrator within seven (7) days of termination of this Agreement by either Party. Any compensation due to CONSULTANT shall be withheld until CONSULTANT delivers all documents to the CITY as provided herein.

#### **12.37 REPRESENTATION OF AUTHORITY**

Each individual executing this Agreement on behalf of a Party hereto hereby represents and warrants that he or she is, on the date he or she signs this Agreement, duly authorized by all necessary and appropriate action to execute this Agreement on behalf of such Party and does so with full legal authority.

#### **12.38 NON-DISCRIMINATION**

The CONSULTANT shall not, in any of its activities, including employment, discriminate against any individual on the basis of race, color, national origin, age, disability, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, marital status or any other protected classification as defined by applicable law.

1. The CONSULTANT certifies and represents that it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as may be amended or revised, ("Section 2-187").
2. The failure of the CONSULTANT to comply with Section 2-187 shall be deemed to be a material breach of the Agreement, entitling the CITY to pursue any remedy stated below or any remedy provided under applicable law.
3. The CITY may terminate this Agreement if the CONSULTANT fails to comply with Section 2-187.
4. The CITY may retain all monies due or to become due until the CONSULTANT complies with Section 2-187.
5. The CONSULTANT may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

12.39

E-Verify

As a condition precedent to the effectiveness of this Agreement, pursuant to Section 448.095, Florida Statutes (2022), as may be amended or revised, the CONSULTANT and its subcontractors shall register with and use the E-Verify system to electronically verify the employment eligibility of newly hired employees.

1. The CONSULTANT shall require each of its subconsultants, if any, to provide the CONSULTANT with an affidavit stating that the subconsultant does not employ, contract with, or subconsultant with an unauthorized alien. The CONSULTANT shall maintain a copy of the subconsultant's affidavit for the duration of this Agreement and in accordance with the public records requirements of this Agreement.
2. The City, the CONSULTANT, or any subconsultant who has a good faith belief that a person or entity with which it is contracting has knowingly violated Section 448.09(1), Florida Statutes (2022), as may be amended or revised, shall terminate the Agreement with the person or entity.
3. The City, upon good faith belief that a subconsultant knowingly violated the provisions of Section 448.095(2), Florida Statutes (2022), as may be amended or revised, but that the CONSULTANT otherwise complied with Section 448.095(2), Florida Statutes (2022), as may be amended or revised, shall promptly notify CONSULTANT and order the CONSULTANT to immediately terminate the contract with the subconsultant, and the CONSULTANT shall comply with such order.

4. An Agreement terminated under Sections 448.095(2)(c)1. or 2., Florida Statutes (2022), as may be amended or revised, is not a breach of contract and may not be considered as such. If the City terminates this Agreement under Section 448.095(2)(c), Florida Statutes (2022), as may be amended or revised, the CONSULTANT may not be awarded a public contract for at least one year after the date on which the Agreement was terminated. The CONSULTANT is liable for any additional costs incurred by the City as a result of termination of this Agreement.
5. CONSULTANT shall include in each of its subconsultants, if any, the requirements set forth in this section, including this subparagraph, requiring any and all subconsultants, as defined in Section 448.095(1)(j), Florida Statutes (2022), as may be amended or revised, to include all of the requirements of this section in its subcontracts. CONSULTANT shall be responsible for compliance by any and all subconsultants, as defined in Section 448.095(1)(j), Florida Statutes (2022), as may be amended or revised, with the requirements of Section 448.095, Florida Statutes (2022), as may be amended or revised.

12.40 **Force Majeure:** No Party shall hold the other responsible for damages or for delays in performance caused by force majeure, acts of God, or other acts or circumstances beyond the control of the other party or that could not have been reasonably foreseen and prevented. For this purpose, such acts or circumstances shall include, but not be limited to weather conditions affecting performance, floods, epidemics, pandemics, war, act of Governmental Authority, state of emergency, riots, strikes, lockouts, or other industrial disturbances, or protest demonstrations. Should such acts or circumstances occur, the Parties shall use their best efforts to overcome the difficulties arising therefrom and to resume the Work as soon as reasonably possible with the normal pursuit of the Work.

Inclement weather, continuous rain for less than three (3) days or the acts or omissions of subcontractors, third-party contractors, materialmen, suppliers, or their subcontractors, shall not be considered acts of force majeure.

No Party shall be liable for its failure to carry out its obligations under the Agreement during a period when such Party is rendered unable by force majeure to carry out its obligation, but the obligation of the Party or Parties relying on such force majeure shall be suspended only during the continuance of the inability and for no longer period than the unexpected or uncontrollable event.

The CONSULTANT further agrees and stipulates, that its right to excuse its failure to perform by reason of force majeure shall be conditioned upon giving written notice of its assertion that a Force Majeure delay has commenced within ninety-six (96) hours after such an occurrence. The CONSULTANT shall use its reasonable efforts to minimize such delays. The CONSULTANT shall promptly provide an estimate of the anticipated additional time required to complete the Project.

**[THIS SPACE WAS INTENTIONALLY LEFT BLANK]**

IN WITNESS OF THE FOREGOING, the Parties have set their hands and seals  
the day and year first written above.

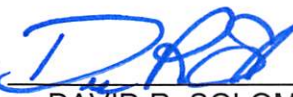
CITY

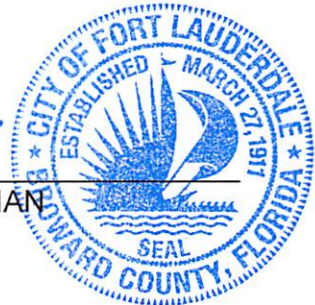
CITY OF FORT LAUDERDALE, a Florida  
municipal corporation

By:   
GREG CHAVARRIA  
City Manager


Date: 3/24/23

ATTEST:

By:   
DAVID R. SOLOMAN  
City Clerk



Approved as to Legal Form:  
D'Wayne M. Spence, Interim City Attorney

By:   
RHONDA MONTOYA HASAN  
Assistant City Attorney

WITNESSES:

Nancy Nomi

NANCY NOMI  
Print Name

Sharon Gill

SHARON GILL  
Print Name

(CORPORATE SEAL)

STATE OF FLORIDA:

COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 15<sup>th</sup> day of March, 2023, by Mark Blanchard as Authorized Signatory for AECOM Technical Services, Inc., a California Corporation authorized to conduct business in the State of Florida.

AECOM Technical Services, Inc., a California corporation authorized to conduct business in the State of Florida,

By: Mark Blanchard  
Mark Blanchard, Authorized Signatory

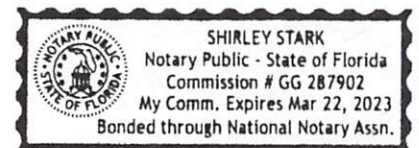


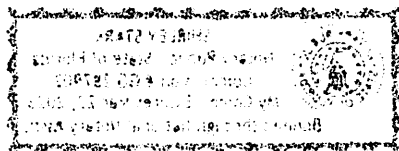
Shirley Stark  
(Signature of Notary Public - State of Florida)

SHIRLEY STARK  
(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known X OR Produced Identification N/A

Type of Identification Produced: N/A







## **EXHIBIT A SCOPE OF SERVICES**

### **3.1 Purpose**

The City is seeking the services of a qualified consulting firm(s) to provide Professional Services related to a continuing contract for Civil Engineering consultant services. The following is a list of services that may be required on an as-needed basis as requested by the City which will be authorized by individual Task Orders for individual projects. This list shall not be construed as an exclusive list of activities that successful firm(s) may be engaged in. City shall have the right, in its sole and absolute discretion, to require additional services that are consistent with the scope of services and those activities typically performed by architects, engineers, and surveyors pursuant to Section 287.055 Florida Statutes, and for which the firm(s) are experience, qualified, and able to perform.

### **3.2 Scope of Services**

The City is seeking statements of qualifications from capable and qualified engineering firms in response to this RFQ for the purpose of providing Civil Engineering Consultant Services for a variety of unspecified projects through a continuing services contract. Associated services typically required for complete public works projects are expected to be fulfilled by the selected firms. Multiple firms will be selected for this continuing services agreement. The City encourages small firms (based upon the U.S. Small Business Administration size standards requirements) as well as large firms and Minority Business Enterprises to submit qualifications.

The selected firms will assist with the design and implementation of municipal engineering projects. It is the intent of the City to use the selected consultants on an as-needed basis. The specific scope of work and fee schedule for each work will be individually agreed upon by the City and the consultant. The selected consultants must be able to provide all the services required of any civil engineering project and associated planning services through its own staff or subconsultants. The City reserves the right to award specific types of projects to firms with greater documented experience in the needed engineering specialty.

### **3.3 Tasks**

The scope of services to be provided by the Consultant in the functional areas listed above shall include, but not be limited to, the following:

- a) Prepare engineering designs, calculations, plans and specifications, contract bid documents, and cost estimates, within the functional areas of interest listed in this solicitation.
- b) Prepare base maps, preliminary layouts, estimates of probable costs, engineering analysis and alternatives as requested.
- c) Submit construction documents as needed to the City and other required agencies having an interest or jurisdiction over the project.
- d) Review, analyze, and provide recommendations to utility budgets and capital improvement plans.
- e) Provide updates on changes or proposed changes to laws/regulations that may impact City's water resources and supply, treatment, distribution and storage, wastewater collection and treatment.
- f) Update of the large user's replacement and renewal funding for the wastewater treatment plant.
- g) Update of the Capacity Analysis Report for the wastewater treatment plant.

## **EXHIBIT A SCOPE OF SERVICES**

- h) Preform flood routing software modelling.
- i) Prepare feasibility and conceptual planning documents.
- j) Provide research, attendance at meetings, and preparation of presentation materials, reports and correspondence.
- k) Prepare and/or assist with the preparation of grant applications and attendance at meetings with grant officials.
- l) Provide public education/notification assistance.
- m) Prepare short and long term planning documents, master plans, or provide input to the City's master plans, capital improvement program, and maintenance needs.
- n) Participate in construction administration as required by the City.
- o) Prepare formal or informal feasibility studies as necessary to assist the City in responding capital improvement needs.
- p) Analysis of existing infrastructure and available capacity to serve proposed capital improvement projects.
- q) Prepare legal descriptions, exhibits, and surveys.
- r) Provide expert witness testimony.
- s) Prepare appropriate permitting documents and obtain and/or assist the City in obtaining permits from applicable agencies.
- t) Represent the City with regulatory agencies.
- u) Prepare periodic project status reports.
- v) Prepare and furnish bidding documents and assist the City in the preparation of other related documents.
- w) Attend bid openings, prepare bid tabulation sheets, and assist the City in the evaluation of bids or proposals.
- x) Issue addenda as appropriate to clarify, correct, or change the bidding documents.
- y) Participate in pre-construction conference as requested by the City.
- z) Review and determine acceptability of construction submittals, including shop drawings, progress schedule, schedule of values, etc.
- aa) Review and provide recommendations to request for information, request for changes, and claims to the City arising during construction activities.
- bb) Make periodic construction site visits for the purpose of determining general compliance with the approved drawings, plans, and specifications as requested by the City.
- cc) Review as-built drawings provided by the construction contractor and provide written comments to the City.
- dd) Provide project management services and act as an extension of the City's project management staff for the design, bidding, and construction management of municipal projects.

The consultant or its subconsultants shall be familiar with different agency's permitting regulations and requirements and the City's design criteria, standards and specifications.

### **3.4 Deliverables**

The City intends to contract with multiple firms. The total amount of compensation will be negotiated with the selected consultant. No minimum amount of work or compensation will

## **EXHIBIT A SCOPE OF SERVICES**

be assured to the retained consultant(s). All work products becomes the property of the City. The City reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion.

### **3.5 Schedule**

Consultant recognizes that **TIME IS OF THE ESSENCE**. The Work on each Task Order shall commence immediately upon the Consultant's receipt of an executed Task Order.

### **3.6 Background**

Incorporated on March 27, 1911, encompassing more than 33 square miles with a population of 176,000, Fort Lauderdale is the largest of Broward County's 31 municipalities and the eighth largest city in Florida. The City covers approximately 23,000 acres of highly urbanized neighborhoods, with much of its costal area land area lying within the flood plain. The City is composed of several individual watershed areas ranging in size from 2,000 to 11,000 acres with low-lying topography and intersected by numerous canals and rivers.

### **3.7 Water Supply**

The City of Fort Lauderdale obtains water from the Biscayne Aquifer via two (2) Well Fields. The Prospect Well Field supplies Fiveash Water Treatment Plant and the Peele Dixie Well Field supplies the Peele Dixie Membrane Plant.

### **3.8 Water Treatment**

The City of Fort Lauderdale has two (2) Water Treatment Plants. The Fiveash Plant is a lime-softening plant that treats an average of 36 MGD and the Peele Dixie Plant is a nano-filtration plant that treats an average of 6 MGD.

### **3.9 Water Distribution**

The City of Fort Lauderdale has approximately 780 miles of water mains, 16,000 valves, 5,500 fire hydrants, six (6) ground storage tanks, and one (1) elevated storage tank in the Water Distribution System. In addition, the City provides water for other municipalities in Broward County.

### **3.10 Storm Water and Wastewater Collection and Storage**

The City of Fort Lauderdale operates and maintains a 330 mile wastewater collection system and a 127 mile storm water collection system serving 57,000 accounts within Fort Lauderdale, as well as several adjacent large user cities.

### **3.11 Wastewater Treatment**

The City of Fort Lauderdale operates a regional wastewater treatment plant (G. T. Lohmeyer) with a design treatment capability of 55.7 MGD serving Fort Lauderdale and other adjacent municipalities throughout Broward County.

### **3.12 Effluent Disposal**

The City of Fort Lauderdale operates a deep well injection site consisting of five (5) wells for effluent disposal where effluent is pumped to approximately 3,500 feet below ground.

### **3.13 Functional Areas of Interest**

The consultant shall identify in its response to this RFQ the functional areas for which it particularly wishes to specialize. Multiple firms will be selected, and multiple firms may be selected for more than one (1) functional area.

## **EXHIBIT A SCOPE OF SERVICES**

- a) Water and wastewater engineering (specifically pipeline and lift-station design)
- b) Stormwater engineering
- c) Transportation engineering
- d) Structural engineering (specifically seawall, dock, and bridge design)
- e) Environmental engineering
- f) Surveying and mapping services
- g) Photogrammetry and remote sensing
- h) Geotechnical engineering
- i) Coastal engineering
- j) Water resources engineering
- k) Hydrology and hydraulic engineering
- l) Mechanical engineering
- m) Construction engineering and inspection

The consultant and /or its sub consultants shall be familiar with different agency's permitting regulations and requirements and the City's design criteria, standards and specifications.

### **3.14 Quality Assurance/Quality Control**

It is the intention of the City that the design consultant is held responsible for the quality control (QC) of their work and of its sub-consultants. All sub-consultant documents and submittals shall be submitted directly to the consultant for their independent QC review. The City shall only accept submittals for review and action from the consultant.

The consultant is responsible for the professional quality, technical accuracy and coordination of all pre-design services, designs, drawings, specifications, cost estimates and other services furnished by the consultant and their sub-consultants. It is the consultant's responsibility to independently and continually QC their plans, specifications, and all other project deliverables. Upon City request, the consultant shall provide the City with a marked up set of plans and specifications showing the consultant's QC review. The mark-ups submittals shall include the names of the consultant's staff that performed the QC review for each component or functional area (e.g., structures, roadway, drainage, etc.).

### **3.15 Document Submittal Format**

All documents generated as a result of projects will become the property of the City of Fort Lauderdale. All projects documents shall be provided in a digital and hard copy format meeting all City of Fort Lauderdale format requirements. The project drawings shall be prepared in AutoCAD, in the version current to the City Engineering Division at the time that deliverables are due, and shall meet the requirements as set forth in the City's CADD specifications for project drawings current at the time of award of the project. Plot files shall also be prepared and submitted which meet the stated City standards.

**EXHIBIT "B"**  
**BILLING RATES**

**RFQ 12637-421 Civil Engineer (CCNA)**  
**AECOM Hourly Billing Rates for Task Orders**

<b>Classification</b>	<b>Hourly Rate</b>
<b>Civil Engineering Services</b>	
Principal-in-Charge (PE)	\$ 285.00
Senior VP - Marine Structural Engineer	\$ 285.00
Senior Supervising Engineer	\$ 250.00
Technical Advisor	\$ 235.00
Project Manager 3	\$ 210.00
Senior Engineer	\$ 185.00
Project Manager 2	\$ 175.00
Engineer/Technologist 3	\$ 155.00
Engineer/Technologist 2	\$ 140.00
GIS Specialist	\$ 135.00
Engineer/Technologist 1	\$ 127.00
CADD Designer	\$ 110.00
<b>Land Surveying &amp; Mapping Services (KEITH)</b>	
Principal Surveyor	\$ 200.00
Professional Land Surveyor	\$ 180.00
Project Surveyor	\$ 165.00
Survey CADD / GIS Tech	\$ 110.00
Survey Field Crew (1-Man Crew)	\$ 110.00
Survey Field Crew (2-Man Crew)	\$ 160.00
Survey Field Crew (3-Man Crew)	\$ 210.00
Survey Crew with Laser Scan (3-Man Crew)	\$ 250.00
SUE - Vacuum Excavation Test Hole	\$ 450.00
SUE - Utility Designating/GPR	\$ 225.00
<b>Landscape Architecture and Planning Services</b>	
Principal Landscape Architect / Principal Planner	\$ 200.00
Senior Supervising Landscape Architect/Planner	\$ 175.00
Senior Landscape Architect/Planner	\$ 150.00
Landscape Architect/Planner	\$ 115.00
<b>Construction Administration Services (EAC)</b>	
Director of Construction Management	\$ 227.00
Senior Field Representative	\$ 175.00
Field Representative	\$ 115.00
<b>Miscellaneous</b>	
Communications/Public Outreach Manager	\$ 175.00
Communications/Public Outreach Assistant	\$ 125.00
Grant Manager	\$ 150.00
Administrative Assistant	\$ 85.00

<b>Geotechnical Engineering &amp; Soils and Materials Testing (RADISE)</b>	
Principal Engineer (PE)	\$ 195.00
Senior Engineer (PE) / Project Manager	\$ 165.00
Project Engineer (PE)	\$ 135.00
Staff Engineer	\$ 110.00
Senior Inspector	\$ 85.00
Inspector	\$ 75.00
Draftsman	\$ 95.00
Cadd Operator	\$ 70.00
Clerical	\$ 62.00
Staff Geophysicist	\$ 110.00
Senior Geophysicist	\$ 165.00
Principal Geologist	\$ 195.00
Senior Geologist	\$ 165.00
Staff Geologist	\$ 110.00
Geologist Technician	\$ 75.00
Principal Hydrogeologist	\$ 195.00
Hydrogeologist	\$ 135.00
Hydrogeologist Technician	\$ 70.00

## Friseta Davis

---

**From:** Erick Martinez  
**Sent:** Wednesday, March 15, 2023 11:05 AM  
**To:** Friseta Davis  
**Subject:** FW: 12637-421 Civil Engineer RFQ CCNA (COI)  
**Attachments:** 12637-421 - Civil Engineering (AECOM COI).pdf; Insurance Language - Civil Engineering Project Management.docx; 12637-421 - Civil Engineering (Chen Moore COI).pdf; 12637-421 - Civil Engineering (Craven Thompson COI).pdf; 12637-421 - Civil Engineering (Black & Veatch COI).pdf

**Categories:** Red Category

Hello Friseta,

Please see the approvals from Risk below.

Thank you,

**Erick Martinez**

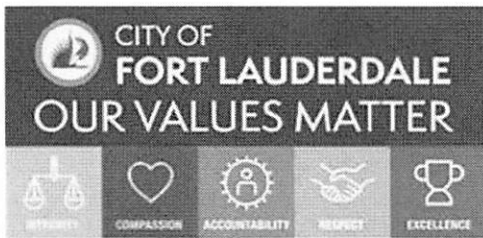
Senior Procurement Specialist

City of Fort Lauderdale | Procurement Services Division

100 N. Andrews Ave. | Fort Lauderdale FL 33301

P 954-828-4019 | F 954-828-5576 | [EMartinez@fortlauderdale.gov](mailto:EMartinez@fortlauderdale.gov)

**Website:** [www.fortlauderdale.gov/departments/finance/procurement-services](http://www.fortlauderdale.gov/departments/finance/procurement-services)



Integrity – Compassion – Accountability – Respect – Excellence

WE BUILD COMMUNITY



*PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from city officials regarding City business are public records available to the public and media upon request. Your e-mail communications may be subject to public disclosure.*



**ARE YOU  
SOFTWARE SYSTEM.**

**COMPETING FOR CITY BUSINESS? [CLICK HERE TO REGISTER](#) IN OUR NEW PROCUREMENT**

---

**From:** Alisha Auth <AAuth@fortlauderdale.gov>  
**Sent:** Wednesday, March 15, 2023 11:02 AM  
**To:** Erick Martinez <EMartinez@fortlauderdale.gov>  
**Subject:** RE: 12637-421 Civil Engineer RFQ CCNA (COI)

Hi Erick,

I have reviewed the insurance certificates as well as the insurance language provided. I have made notes next to each regarding approval.

- Chen Moore – the insurance meets the minimum requirements outlined in the attached document and is approved.
- Craven Thompson – the insurance meets the minimum requirements outlined in the attached document and is approved. Of note, the professional policy expires on 3/30/23 so we will want to ensure that we have confirmation of the renewal.
- Black & Veatch – the insurance meets the minimum requirements outlined in the attached document and is approved.
- AECOM – the insurance meets the minimum requirements outlined in the attached document and is approved. Of note, the policies expire 4/1/23 so we will want to ensure we have confirmation of the renewal.

Thank you!

**Alisha Auth, ARM, AIC**

City of Fort Lauderdale | Human Resources Department | Risk Management Division  
100 N. Andrews Avenue, 3rd Floor | Fort Lauderdale, Florida 33301  
Email: [aauth@fortlauderdale.gov](mailto:aauth@fortlauderdale.gov) | Phone: (954) 828-5179 | Fax: (954) 828-5439



The City of Fort Lauderdale is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Email messages to and from employees or officials are covered under such laws and thus subject to public disclosure.

---

**From:** Erick Martinez <EMartinez@fortlauderdale.gov>  
**Sent:** Wednesday, March 15, 2023 9:35 AM  
**To:** Alisha Auth <AAuth@fortlauderdale.gov>  
**Subject:** RE: 12637-421 Civil Engineer RFQ CCNA (COI)

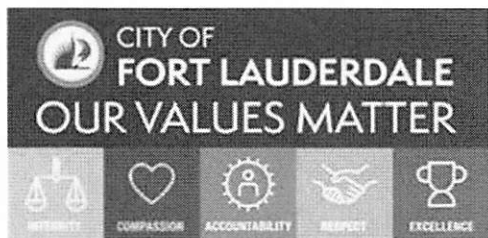
Please also review the attached AECOM COI.

Thank you,

**Erick Martinez**

Senior Procurement Specialist  
City of Fort Lauderdale | Procurement Services Division  
100 N. Andrews Ave. | Fort Lauderdale FL 33301  
P 954-828-4019 | F 954-828-5576 | [EMartinez@fortlauderdale.gov](mailto:EMartinez@fortlauderdale.gov)





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**ARE YOU** **COMPETING FOR CITY BUSINESS?** [CLICK HERE TO REGISTER IN OUR NEW PROCUREMENT SOFTWARE SYSTEM.](#)

---

**From:** Erick Martinez

**Sent:** Wednesday, March 15, 2023 8:54 AM

**To:** Alisha Auth <[AAAuth@fortlauderdale.gov](mailto:AAAuth@fortlauderdale.gov)>

**Subject:** 12637-421 Civil Engineer RFQ CCNA (COI)

Good morning Alisha,

Please see the attached Insurance Requirements and the following COIs for your review:

- Chen Moore
- Craven Thompson
- Black & Veatch

Please let me know if these are acceptable or if any changes are needed.

Thank you,

Erick Martinez

Senior Procurement Specialist

City of Fort Lauderdale | Procurement Services Division

100 N. Andrews Ave. | Fort Lauderdale FL 33301

P 954-828-4019 | F 954-828-5576 | [EMartinez@fortlauderdale.gov](mailto:EMartinez@fortlauderdale.gov)

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ARE YOU COMPETING FOR CITY BUSINESS? CLICK HERE TO REGISTER IN OUR NEW PROCUREMENT SOFTWARE SYSTEM.

-----Original Message-----

From: Alisha Auth <AAAuth@fortlauderdale.gov>  
Sent: Wednesday, January 26, 2022 11:28 AM  
To: Mary Kleinpeter-Zamora <MKleinpeter-Zamora@fortlauderdale.gov>  
Subject: RE: Emailing: CONTINUING SVCS CCNA [RFQ] Solicitation \_12-13-2021

Hi Mary,

Please accept my apologies as I thought that I had responded to you on this request. The recommended insurance language is attached. Please let me know if you have any questions.

Thank you.

Alisha Auth  
Senior Claims Adjuster  
City of Fort Lauderdale  
100 N Andrews Avenue, 3rd Floor  
Fort Lauderdale, Florida 33301  
Email: aauth@fortlauderdale.gov  
Phone: 954-828-5179  
Fax: 954-828-5439

The City of Fort Lauderdale is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Email messages to and from employees or officials are covered under such laws and thus subject to public disclosure.

-----Original Message-----

From: Mary Kleinpeter-Zamora <MKleinpeter-Zamora@fortlauderdale.gov>  
Sent: Thursday, January 20, 2022 9:46 AM  
To: Alisha Auth <AAAuth@fortlauderdale.gov>  
Subject: RE: Emailing: CONTINUING SVCS CCNA [RFQ] Solicitation \_12-13-2021

Do you need additional information? If so, please don't hesitate to ask.

Thanks for your help.

Mary Kay Kleinpeter-Zamora C.P.M., CPPO Procurement Administrator City of Fort Lauderdale Direct line 954 828-5189

-----Original Message-----

From: Alisha Auth <AAAuth@fortlauderdale.gov>  
Sent: Wednesday, January 12, 2022 4:22 PM  
To: Mary Kleinpeter-Zamora <MKleinpeter-Zamora@fortlauderdale.gov>

Subject: RE: Emailing: CONTINUING SVCS CCNA [RFQ] Solicitation \_12-13-2021

Hi Mary,

Do you have the detailed scope of services? That will help me narrow down the recommended limits.

Thanks!

Alisha Auth  
Senior Claims Adjuster  
City of Fort Lauderdale  
100 N Andrews Avenue, 3rd Floor  
Fort Lauderdale, Florida 33301  
Email: aauth@fortlauderdale.gov  
Phone: 954-828-5179  
Fax: 954-828-5439

The City of Fort Lauderdale is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Email messages to and from employees or officials are covered under such laws and thus subject to public disclosure.

-----Original Message-----

From: Mary Kleinpeter-Zamora <MKleinpeter-Zamora@fortlauderdale.gov>  
Sent: Wednesday, January 12, 2022 1:07 PM  
To: Alisha Auth <AAAuth@fortlauderdale.gov>  
Subject: Emailing: CONTINUING SVCS CCNA [RFQ] Solicitation \_12-13-2021

Please advise insurance requirements.

Thanks for your help.

Mary Kay

Your message is ready to be sent with the following file or link attachments:

CONTINUING SVCS CCNA [RFQ] Solicitation \_12-13-2021

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
03/02/2023

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

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

<b>PRODUCER</b> Marsh Risk & Insurance Services CA License #0437153 633 W. Fifth Street, Suite 1200 Los Angeles, CA 90071 Attn: LosAngeles.CertRequest@Marsh.Com CN101348564-EXP-GAUE-22-23 03 2026		<b>CONTACT</b> NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL: ADDRESS:	
<b>INSURED</b> AECOM AECOM Technical Services, Inc. 2090 Palm Beach Lakes Blvd., Suite 600 West Palm Beach, FL 33409		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> ACE American Insurance Company <b>INSURER B:</b> N/A <b>INSURER C:</b> Illinois Union Insurance Co <b>INSURER D:</b> SEE ACORD 101 <b>INSURER E:</b> <b>INSURER F:</b>	
		<b>NAIC #</b> 22667 N/A 27960	

**COVERAGES** **CERTIFICATE NUMBER:** LOS-002668667-01 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		HDO G72489974	04/01/2022	04/01/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		ISA H25564959	04/01/2022	04/01/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N N/A		SEE ACORD 101	04/01/2022	04/01/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.I. EACH ACCIDENT \$ 2,000,000 E.I. DISEASE - EA EMPLOYEE \$ 2,000,000 E.I. DISEASE - POLICY LIMIT \$ 2,000,000
C	ARCHITECTS & ENG. PROFESSIONAL LIAB.		EON G21654693 005 "CLAIMS MADE"	04/01/2022	04/01/2023	Per Claim/Agg \$ 2,000,000 Defense Included

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: AECOM Project No: 04191424.20151. Civil Engineering Services (RFQ No. 12637-421).

City of Fort Lauderdale, a Florida municipal corporation, its officials, employees, and volunteers are named as additional insured for GL & AL coverages, but only as respects work performed by or on behalf of the named insured and where required by written contract. This insurance is primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and where required by written contract with respect to the GL & AL coverages. Waiver of Subrogation is applicable where required by written contract with respect to WC.

## CERTIFICATE HOLDER

## CANCELLATION

City of Fort Lauderdale 100 N. Andrews Avenue Fort Lauderdale, FL 33301	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  <i>Marsh Risk &amp; Insurance Services</i>

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AGENCY CUSTOMER ID: CN101348564

LOC #: Los Angeles

**ADDITIONAL REMARKS SCHEDULE**Page 2 of 2

<b>AGENCY</b> Marsh Risk & Insurance Services		<b>NAMED INSURED</b> AECOM AECOM Technical Services, Inc. 2090 Palm Beach Lakes Blvd., Suite 600 West Palm Beach, FL 33409
<b>POLICY NUMBER</b>		
<b>CARRIER</b>	<b>NAIC CODE</b>	
<b>EFFECTIVE DATE:</b>		

**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**  
**FORM NUMBER:** 25 **FORM TITLE:** Certificate of Liability Insurance

Workers Compensation/Employer Liability cont.

Policy Number	Insurer	States Covered
WLR C68926361	Indemnity Insurance Company of North America - NAIC # 43575	AOS, Including California
WLR C68926324	ACE American Insurance Company - NAIC # 22667	MA
SCF C68926440	ACE Fire Underwriters Insurance Company - NAIC # 20702	WI Retro

POLICY NUMBER: HDO G72489974

Endorsement Number: 117

**COMMERCIAL GENERAL LIABILITY**  
**CG 20 26 04 13**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### SCHEDULE

**Name Of Additional Insured Person(s) Or Organization(s):** Any person or organization whom you have agreed to include as an additional insured under a written contract, provided such contract was executed prior to the date of loss.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

**A. Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

**B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

### Workers' Compensation and Employers' Liability Policy

Named Insured AECOM 999 TOWN & COUNTRY ROAD ORANGE CA 92868	Endorsement Number
	Policy Number Symbol: WLR Number: C68926361
Policy Period 04-01-2022 TO 04-01-2023	Effective Date of Endorsement 04-01-2022
Issued By (Name of Insurance Company) INDEMNITY INS. CO. OF NORTH AMERICA	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy. This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.	

### WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

#### Schedule

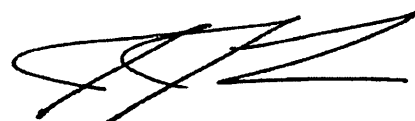
ANY PERSON OR ORGANIZATION AGAINST WHOM YOU HAVE AGREED TO WAIVE YOUR RIGHT OF RECOVERY IN A WRITTEN CONTRACT, PROVIDED SUCH CONTRACT WAS EXECUTED PRIOR TO THE DATE OF LOSS.

For the states of CA, UT, TX, refer to state specific endorsements.

This endorsement is not applicable in KY, NH, and NJ.

The endorsement does not apply to policies in Missouri where the employer is in the construction group of code classifications. According to Section 287.150(6) of the Missouri statutes, a contractual provision purporting to waive subrogation rights against public policy and void where one party to the contract is an employer in the construction group of code classifications.

For Kansas, use of this endorsement is limited by the Kansas Fairness in Private Construction Contract Act(K.S.A.. 16-1801 through 16-1807 and any amendments thereto) and the Kansas Fairness in Public Construction Contract Act(K.S.A 16-1901 through 16-1908 and any amendments thereto). According to the Acts a provision in a contract for private or public construction purporting to waive subrogation rights for losses or claims covered or paid by liability or workers compensation insurance shall be against public policy and shall be void and unenforceable except that, subject to the Acts, a contract may require waiver of subrogation for losses or claims paid by a consolidated or wrap-up insurance program.



Authorized Agent



**AECOM**

**110  
EAST**

**AECOM**

CITY OF FORT LAUDERDALE  
**Civil Engineering  
Services**

RFQ# 12637-421

March 28, 2022

Delivering a better world



March 31, 2022

City of Fort Lauderdale, Procurement Services Division  
Attn: Mary Kleinpeter-Zamora  
100 N. Andrews Avenue 6<sup>th</sup> Floor  
Fort Lauderdale, FL 33301

**RE: Request for Qualifications RFQ # 12637-421, Civil Engineering, Continuing Services Contract**

Dear Ms. Kleinpeter-Zamora,

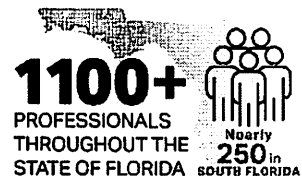
As the City of Fort (Ft.) Lauderdale (City) embarks on the next chapter of improvements to elevate the level of service to customers and enhance operational efficiency, the City requires a partner with the technical expertise and local resources to successfully execute your scope of work and collaboratively meet your complete civil infrastructure needs. AECOM Technical Services, Inc. (AECOM) recognizes the City must select a highly qualified local team to deliver end user, operations and maintenance (O&M) resilient oriented designs that address the full range of potential technical challenges, while minimizing construction impacts. The following key elements define our team and approach to match your needs.

**Technical Focused Leadership:** Our team is led locally by Jeremy Koch out of our Ft. Lauderdale office; he will provide both project management and technical leadership. Jeremy has a proven track record of meeting project scope, schedule, cost and quality objectives on a complex range of projects for South Florida clients and beyond. This includes ongoing work with your staff at GTL WWTP for important rehabilitation work. The City will have a single point of contact in Jeremy, our project manager, while having access and collaboratively working with our technical leaders across the spectrum of civil infrastructure needs to develop innovative solutions.

**Comprehensive Civil Services:** We are committed to responding quickly to the City's requests and providing technical expertise that you can confidently rely on. The benefit to the City is an **AECOM team with comprehensive design disciplines and specialty support to address any need with quality and timely delivery.** As the #2 water design firm in Engineering News-Record annual industry rankings, we offer world class resources and capabilities to deliver the City's most challenging projects.



**Proven Local Commitment:** Our team understands the City's needs, preferences, and how to get work done as a strong partner. Our Project Delivery Roadmap, provided herein, specifically aligns with the City's Capital Improvement Project processes for seamless delivery. Having a **strong local team that provides full-service capabilities, like AECOM, brings the City value that will reduce the likelihood of errors, create consistency in work, maintain accountability, and reduce delays in delivery.**



Our team is augmented by a **commitment to supporting local subconsultants** with the following team members: EAC Consulting, Inc. (construction engineering inspection); Keith & Associates (surveying and subsurface utilities engineering); Woolpert, Inc. (photogrammetry and remote sensing); and RADISE International, LC. (geotechnical).

We recognize the importance of this work in that it will mitigate against current risks while preparing the City's infrastructure to meet future needs. To accomplish this effort, you will need to be advised and supported by a responsive team of technical experts you can trust – **we are your team.** We appreciate the opportunity to submit this proposal and are committed to delivering on time, quality work, within budget, and to the City's satisfaction. We acknowledge receipt of Addendum No. 1, dated 03/11/2022 and Addendum No. 2, dated 03/28/2022. Please contact us directly if you have any questions or would like additional information.

Sincerely,  
AECOM Technical Services, Inc.

A handwritten signature in black ink, appearing to read "Jeremy Koch".

**Jeremy Koch, PE, PMP**, Project Manager/Lead Engineer  
(305) 807-2955 | Jeremy.Koch1@AECOM.com

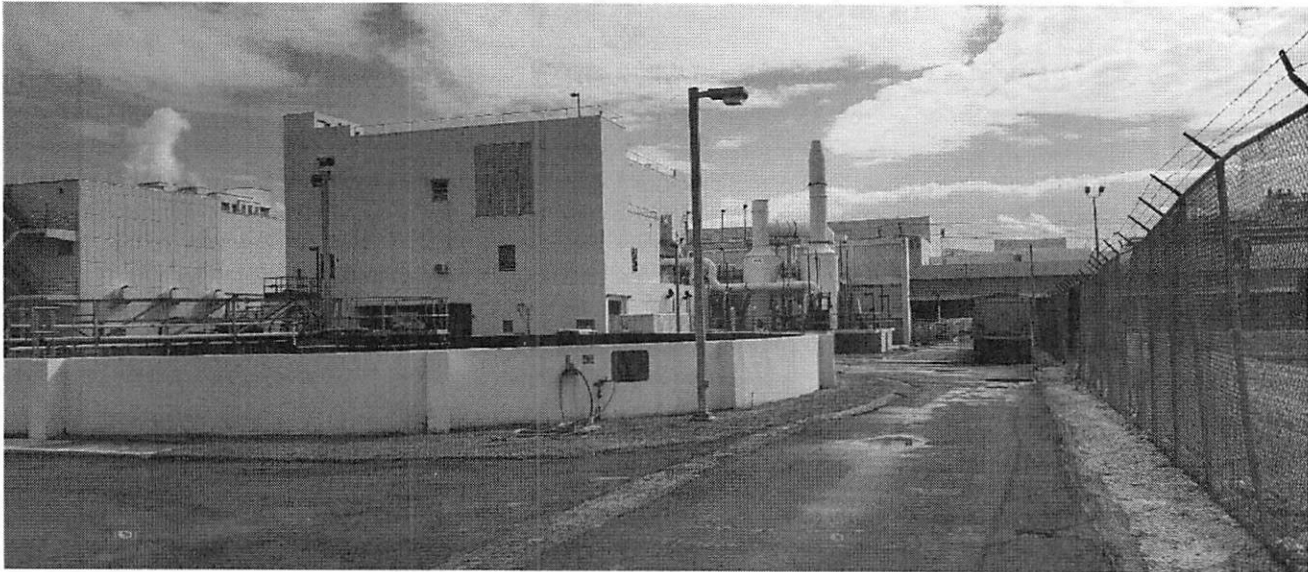
A handwritten signature in black ink, appearing to read "Karen D. Brandon".

**Karen D. Brandon, PE**, Authorized Signatory  
(561) 515-3907 | Karen.Brandon@AECOM.com

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# 1 Table of Contents



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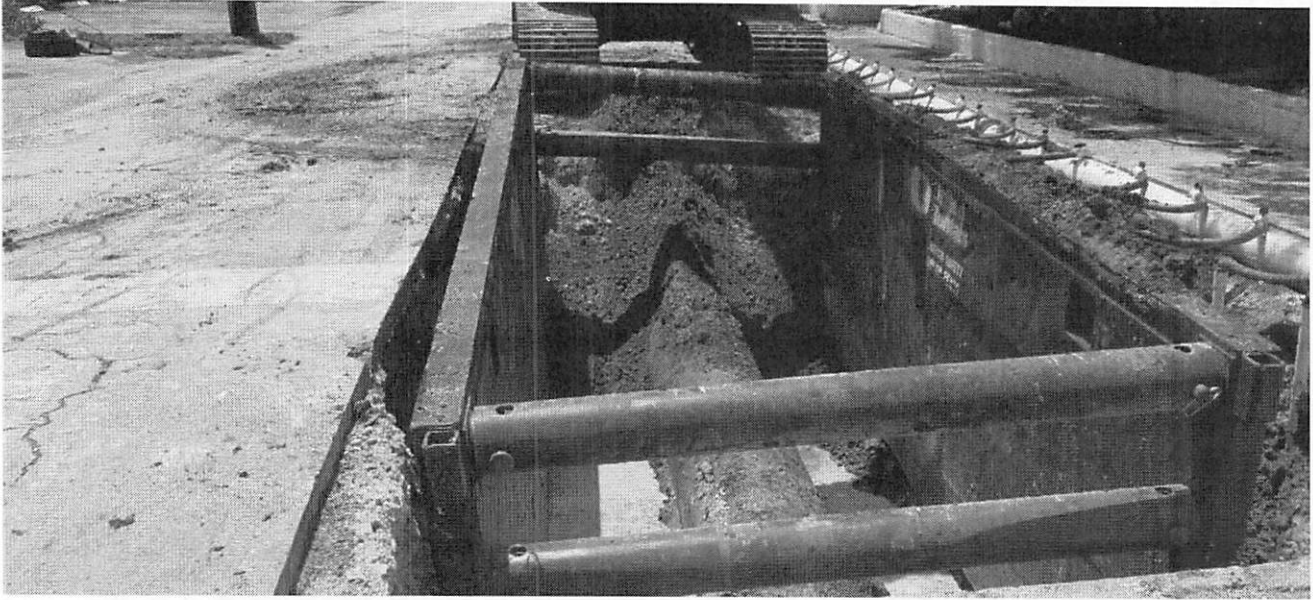


# 2

## Executive Summary



# 2 Executive Summary



With more than a century of municipal expertise, AECOM delivers strategies that blend innovation with flexibility to deliver infrastructure projects, especially when funding, schedule or regulatory challenges exist.

## Business Entity

**AECOM Technical Services, Inc. (AECOM)**, one of the nation's premier engineering, design, environmental and planning firms, combines technical expertise and creative excellence to provide fully integrated solutions. **Our adaptable and flexible approach to projects delivers consistency, longevity, high quality, and cost and time efficiencies.**

## Background

AECOM's official founding was in 1990, with some of our legacy firms having distinguished histories dating back more than a century. Since then, more than 50 companies have joined AECOM. In 2007, we became a publicly traded company on the New York Stock Exchange (NYSE: ACM).

Today, listed at #189 on the Fortune 500 as one of America's largest companies, AECOM is the world's premier infrastructure firm with an unrivalled heritage.

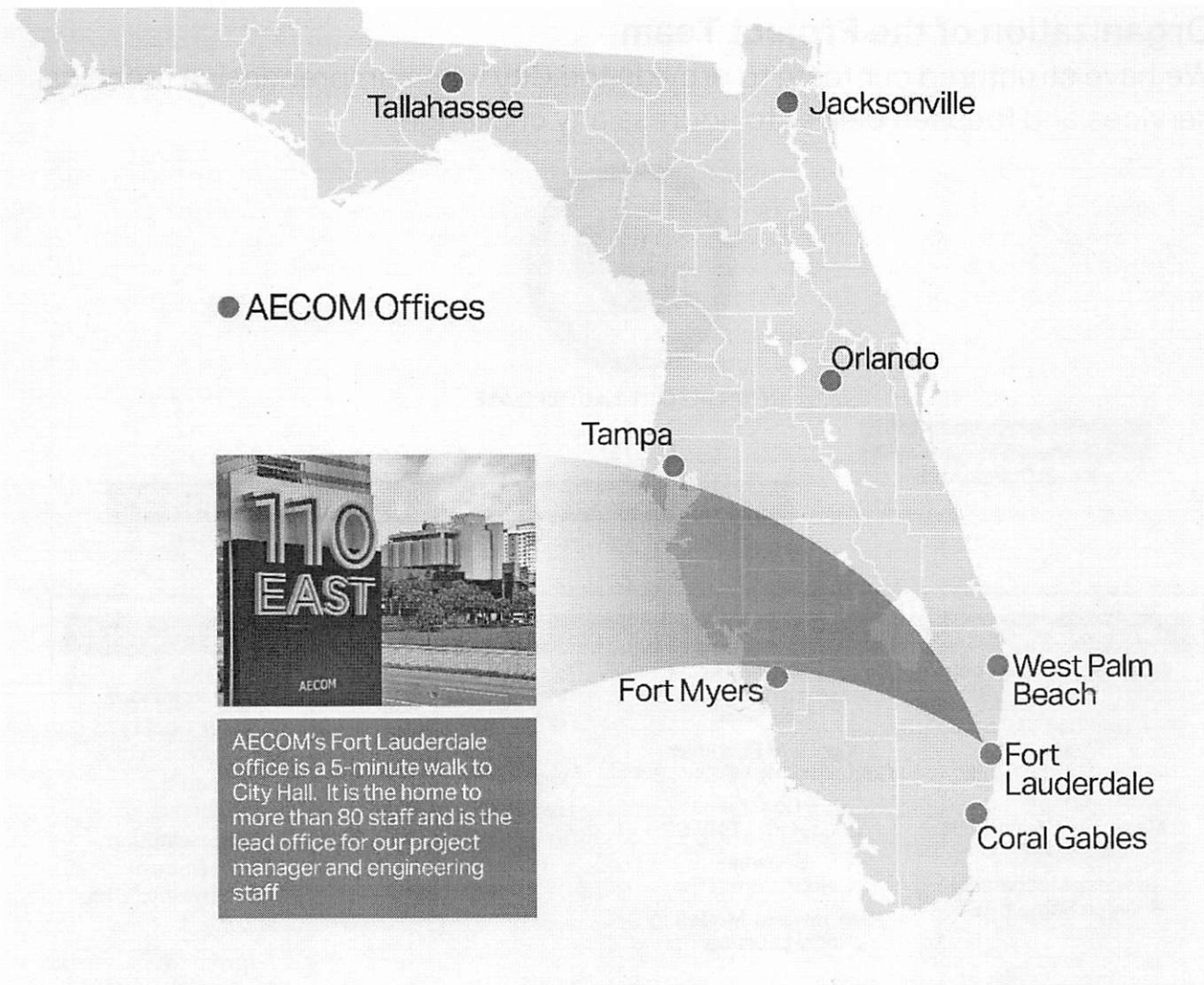
We have also achieved the No. 1 ranking on Fortune magazine's list of the World's Most Admired Companies in its industry for a second year. This is the eighth consecutive year that AECOM has been recognized on the list.



## #1 TOP 500 ENR SOUTHEAST 2021 FLORIDA TOP DESIGN FIRM OVERALL

- ▲ ENR has ranked AECOM as the top design firm in the southeast region — delivering integrated, sustainable solutions that help clients and communities.





## Our Offices

AECOM has offices in 150 countries around the globe and at least 1 office in every state in the United States. More importantly, we have 8 major offices and several project offices throughout Florida that have served clients for decades, spanning transportation, buildings, water, governments, energy, and the environment. We will strive to utilize the very best national resources we can for the City, while executing and delivering projects using Florida professionals who understand the local preferences and expectations of our community.

We will manage all project activities and lead technical engineering from our new Fort Lauderdale office, a 5-minute walk to City Hall.

## Work Performed from our Fort Lauderdale Office Location

Our local staff includes many senior level engineers ready to support this assignment, as well as additional staff located throughout Florida, and the nation, available to assist. Our project management and lead engineering professionals will be in the Fort Lauderdale office to meet your critical needs.

With nearly 250 professionals within South Florida area and nearly 1,100 professionals throughout Florida, AECOM has the full capability and depth of resources to meet the City's needs under this contract. This depth of resources demonstrates our ability to assume certain lead roles where their expertise is particularly relevant or, if the need arises, to absorb an expedited schedule.

## Organization of the Project Team

We have structured our team to provide the City with comprehensive technical services and focused deliver to address any challenge.



### CITY OF FORT LAUDERDALE

#### Principal-in-Charge

Karen Brandon, PE

#### AECOM Project Manager

Jeremy Koch, PE ★

#### Quality Manager

David Wilcox, PE

#### Treatment Facilities

**Wastewater Treatment**  
Brian Stitt, PEng, DBIA ★

**Drinking Water Treatment**  
Chris Hill, PE, BCEE,  
ENV SP

**Membrane Treatment**  
Bill Snow, PE ★

**Process Mechanical**  
Sheldon Barnes, PE ★

#### Stormwater, Pipelines and Civil Works

**Stormwater**  
Erik M. Alcantara, PE, PMP,  
ENV SP ★

**Civil and Pipelines**  
Gustavo Silva, PE, ENV SP ★

**Coastal**  
Erica Harris, ENV SP

**Seawalls**  
John Carel, PE

**Stormwater Modeling**  
Robert Eustice, PE

**Pipelines, Trenchless and Rehabilitation**  
Roger Williams, PE

**Lift-Stations**  
Vaughn Hayduk, PE

**Hydraulic Modeling**  
Reshma Thummadi, PE ★

**Transportation Engineering**  
Erik Boyer, PE ★

#### Engineering Support

**Structural**  
Khalid Motiwala, PE

**Water Quality**  
Will Lovins, PhD, PE

**Electrical**  
Ira Brandell, PE

**Instrumentation and Control**  
William Overbeek, PE

#### Delivery Support

**Construction Engineering and Inspection**  
Jenner Alfaro, PE EAC

**Master Planning**  
Dawn Jakiela, PE

**Policy and Finance Advisory**  
Mark Blanchard ★

**Survey, Mapping and SUE**  
Tim Gray, PSM, CFM KA

**Hydrogeology and Wells**  
Mike Bennett, PG

**Resiliency**  
Monica Gregory

**Geotechnical**  
Andrew Nixon, PE R

**Photogrammetry and Remote Sensing**  
Andrew Pickford, CP, GISP W

#### Water Resources

Fernando Navarette, PE ★

**Pre-Construction Permitting**  
Everette Lopez, EI ★

**Environmental and Regulatory**  
Steve Starke, PG ★

**Project Program Advisory**  
Juan Alfonso, AIA, NCARB

All personnel are AECOM unless designated otherwise

★ = Located in  
AECOM Fort Lauderdale Office

#### Subconsultants

EAC EAC Consulting, Inc.

KA Keith & Associates

R RADISE

W Woolpert

## Meet the Team

Our team brings responsive local management and delivery with AECOM's comprehensive breadth of services.

We offer **local team members with outstanding civil and water design experience**. Our key team members and support staff have collaborative experience working together on infrastructure locally and throughout Florida.

Our Project Manager **Jeremy Koch, PE**, is local to our Fort Lauderdale office and a well-known technical leader for water infrastructure projects. As a project manager, he brings the experience needed for simultaneous project delivery, with ongoing work with the City of Fort Lauderdale at GTL WWTP. He has developed a team of valuable resources and partners

to successfully deliver the projects under this contract.

This team is well qualified for this work, with many years of local experience and deep knowledge of the City's issues. This includes design, permitting, bidding, and Construction Contract administration for many similar projects.

The table below highlights delivery team members' qualifications related to your projects, illustrating the depth and breadth of our project team.

### AECOM Design Delivery Team Members

#### Jeremy Koch, PE, PMP, Project Manager | 24 years' experience Office Location: Fort Lauderdale, FL



**Qualifications:** Jeremy's technical and project delivery experience is focused on assisting municipal, commercial, and industrial clients on a broad spectrum of potable water, wastewater, civil infrastructure, and water resource management issues.

**Project Role:** As project manager, Jeremy's involvement begins at the earliest stages of the project. He will serve as the single point of contact and the manager responsible for all technical, construction, schedule, quality, contractual, and administrative performance.

#### Karen Brandon, PE, Principal-in-Charge | 38 years' experience Office Location: West Palm Beach, FL



**Qualifications:** Karen has over 38 years of civil, water resources, and regulatory experience in the design and permitting of large stormwater management, utility, and port projects with environmental impacts.

**Project Role:** Karen will be our Principal-in-Charge. In this role, she will dedicate the necessary staffing and resources for project delivery and provide a supplementary leadership role to ensure responsiveness to your needs.

#### Brian Stitt, Peng, CBC, Wastewater Treatment | 28 years' experience Office Location: Fort Lauderdale, FL



**Qualifications:** Brian has over 28 years of experience and has been involved in a wide variety of water, wastewater, and reclaimed water projects for municipal clients. He has led the design of multiple marquis wastewater treatment projects for AECOM.

**Project Role:** Brian will lead wastewater treatment efforts, mostly associated with rehabilitation as well as optimization and regulatory compliance. He will coordinate supporting engineering disciplines for comprehensive projects.



**AECOM Design Delivery Team Members****Chris Hill, PE, BCEE, ENV SP, Drinking Water Treatment | 29 years' experience****Office Location: Tampa, FL**

**Qualifications:** Chris brings 29 years of experience in water supply and treatment planning, preliminary and detailed design, cost estimating, and construction management of water treatment facilities.

**Project Role:** Chris will lead drinking water treatment, bringing a global perspective to address drinking water treatment needs with a strong working technical knowledge of your treatment processes.

**Erik Alcantara, PE, PMP, ENV SP, Stormwater | 8 years' experience****Office Location: Fort Lauderdale, FL**

**Qualifications:** Erik brings a depth of stormwater and civil engineering specific to addressing the unique issues and coastal environment of South Florida. Erik is a results-driven, highly motivated team member to engage with the City.

**Project Role:** Erik will lead stormwater engineering, coordinating with hydraulic flood modelling, coastal engineering, marine structures, transportation, and other associated civil support disciplines.

**Roger Williams, PE, Pipelines, Trenchless & Rehabilitation | 20 years' experience****Office Location: Coral Gables, FL**

**Qualifications:** Roger's expertise includes some of the largest and most complex pipeline projects in South Florida, with a comprehensive range of new installations, trenchless construction, and rehabilitation.

**Project Role:** Roger will lead pipeline planning and design efforts, directing engineering staff efforts for standard construction and directly engineering large, complex, and sophisticated buried piping and tunneling projects.

**Vaughn Hayduk, PE, Lift Stations | 8 years' experience****Office Location: West Palm Beach, FL**

**Qualifications:** Vaughn has extensive experience in design and management of municipal engineering projects, including lift stations, water and sewer conveyance, production wells, and product wells.

**Project Role:** Vaughn will lead the efforts associated with replacement, modification, and rehabilitation of lift stations. In this role, she will also coordinate with support disciplines for creation of complete systems.

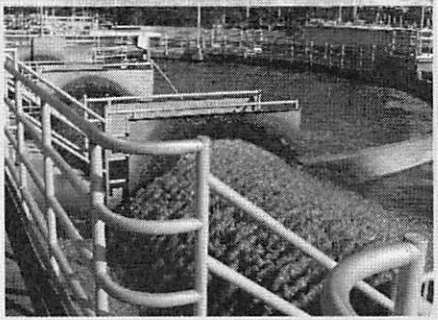

**Michael Bennett, PG, Hydrogeology and | 35 years' experience****Office Location: West Palm Beach, FL**

**Qualifications:** Michael has extensive experience in hydrogeology, groundwater modelling, geochemistry, and geophysics. He brings deep knowledge of South Florida water supply wells and injection wells.

**Project Role:** Michael will lead hydrogeology and well components of the work, focusing on the quality and quantity of water supply. Additionally, he will be supporting the primary mean of effluent disposal at GTL through injection wells.

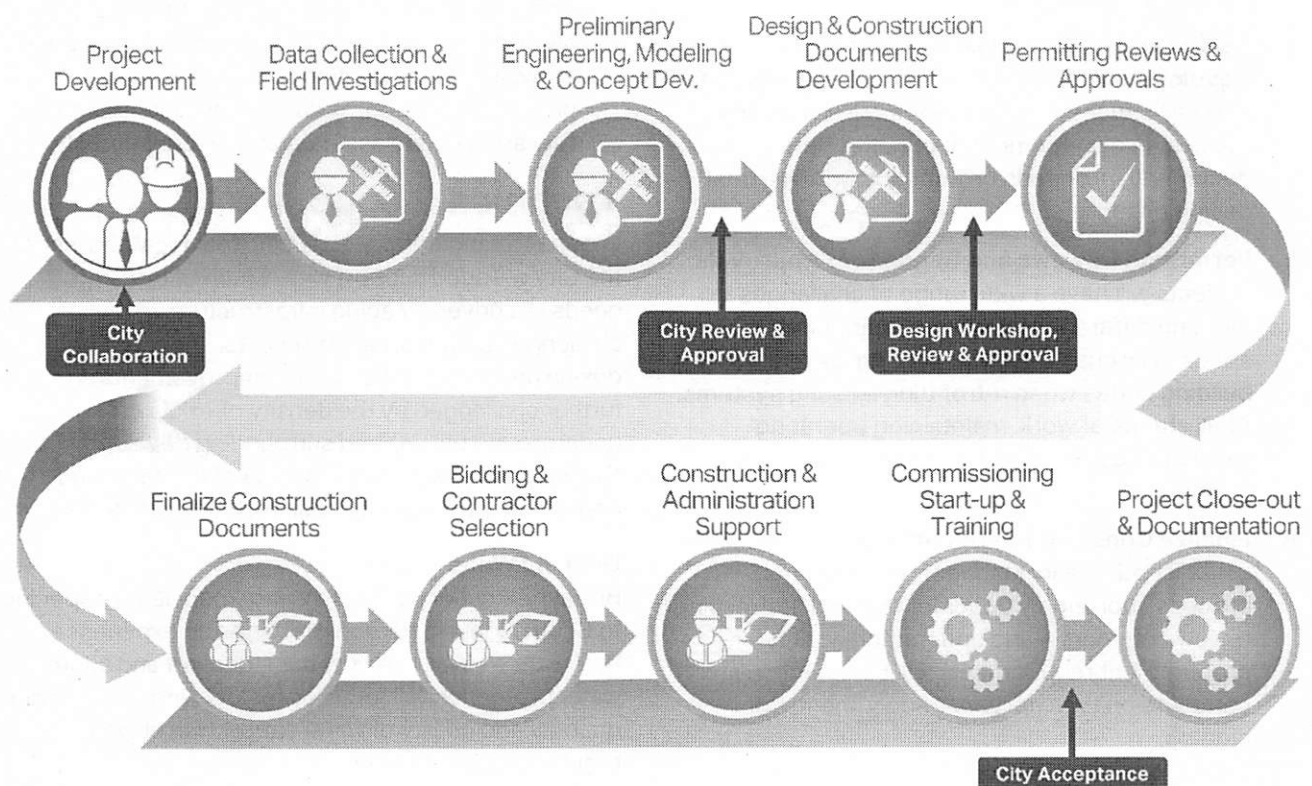
## Experience

Our experience of lessons learned in civil and water infrastructure allows us to bring tailored solutions to your challenges.

Collier County Professional Services MSA	City of Titusville Professional Services MSA	South Indian River Water District General Engineering Services
		
AECOM provides planning, design, permitting, and construction phase services. We have completed more than 100 task orders under the continuing service contracts.	Providing design, hydraulic modeling, permitting, and construction administration. This has included a wide range of treatment and conveyance projects.	AECOM is providing consulting, advisory, design, planning, interagency coordination, permitting, bidding, contracting, and construction inspection services.

## Approach

Our ability to manage multiple concurrent projects and our experience designing and delivering comprehensive civil and water infrastructure contracts gives us the edge over our competition.



***Our approach focuses on creating the end user, O&M focused design improvements with an understanding of the construction issues required, while maintaining service in order to expedite schedule, reduce risk, and control costs.*** The following is our structured approach to delivery of your critical projects:

## Project Delivery

1. **Projects Development, Administration, and Verification.** Critical to a project's success is documenting common understanding by all project team members (owner, operator, and engineer), including quantitative flow requirements, defining interaction with systems, and documentation of owner/operator preferences. A scope of work and delivery schedule will be established.
2. **Data Collection and Field Investigations.** Includes an aggregation of City information on the existing facilities, such as as-builts and asset register. Survey, geotechnical, SUE, and remote sensing efforts will be streamlined with design for quality and timely project delivery.
3. **Preliminary Engineering, Modeling, and Concept Development.** Initial design concepts are developed using information from the prior steps with tools such as hydraulic models, current standards, building code requirements and established design criteria. Preliminary layouts will make best use of the existing pipes, systems, structures, and equipment, while planning for resiliency and the future.
4. **Design and Construction Documents Development.** Clarity of outcomes, decisions, and criteria from the previous steps will ensure that the design development of construction documents proceeds on schedule with minimal design changes.
5. **Permitting Reviews and Regulatory Approvals.** Projects will have a wide range of challenges in meeting different permitting requirements. This is specifically challenging in meeting current building codes when retrofitting existing systems. At all stages of work, maintaining operating regulatory compliance for the City will be top priority.
6. **Finalize Construction Documents.** Following the established Quality Management Systems process, thoroughly documenting and addressing review comments, and understanding City procurement requirements will be critical to a complete on time delivery of documents for bidding.
7. **Bidding and Contractor Selection.** Properly briefing the potential contractors on key project issues and responsiveness to requests will reduce contractor uncertainties in bids. Our ultimate responsibility is determining the suitability of pricing for recommendation of award.
8. **Construction Administration and Support.** Following City procedures, consistent documentation, and timely responsiveness are critical to keeping the projects on track. Construction oversight efforts will require professional field support at critical steps and respond to unknown conditions.
9. **Commissioning, Start-up, and Training (when needed).** Many of the modern systems can be complex in nature, requiring a high degree of interoperability. Engineers, operators, manufacturers, and contractors need to work in a cooperative and educational focused manner to ensure a successful handover and sustained operation.
10. **Project Closeout and Documentation.** Planning for closeout and the required documentation begins prior to the start of any construction. Updating asset registers, equipment warranties, as-builts, etc. are defined early, collected as soon as available, and verified prior to closeout. At project conclusion, all data will be consistent with City archival and asset database requirements

## Technical Aspects

We understand there are specific technical challenges the City will need support with. Much of the City's needs are driven by aging infrastructure with challenges compounded by coastal impacts. The design and construction of any improvements are further challenged by the density of existing underground utilities and surrounding development. Outlined here are several aspects of our team and approach in addressing these technical elements.

### Drinking Water Supply

Biscayne Aquifer wellfield management is very specific to South Florida and requires hands on experience. Key Issues - Well capacity management and source water protection will focus on maintaining or improving quantity and quality of water supply with strong regulatory coordination.



### Drinking Water Treatment

Technical leadership that includes lime-softening and nano-filtration throughout Florida.

**Key Issues** - Rehabilitation and renewal to maintain existing facilities in working order. Incorporating new technologies for process improvement, finished water quality, process optimization, and automation.

### Water Distribution

Focused technical solutions and delivery on distribution system reliability and maintaining high quality water service to customers.

**Key Issues** - Maintaining water quality in distribution system with modern practices and digital modeling tools. Using risk based assessment of condition and performance to prioritize needs.

### Storm Water Management

Protection of property, infrastructure, and life safety from stormwater to improve quality of life.

**Key Issues** - Need for specific coastal approach that suits the specific local needs and challenges. Bring a comprehensive approach to addressing the community's civil infrastructure needs and co-benefits when constructing stormwater improvements.

### Wastewater Conveyance

Hydraulic capacity and condition-based reliability to reduce risk of overflows for regulatory compliance.

**Key Issues** - Proactively address the impacts of inflow and infiltration that limit hydraulic capacity. Bring modern tools and approaches that cost effectively identify limiting factors and develop innovative solutions.

### Wastewater Treatment

Reliability of treatment operations and capacity under all conditions to prevent risk of failure or spills.




**Key Issues** - Address the ongoing condition-based reliability through proactive replacement and repairs. Bring innovation to enhancing treatment capacity and operational optimization.

### Effluent Disposal

As the limiting factor to WWTP disposal, well capacity, and uptime is critically important to overall reliability.

**Key Issues** - Manage injection well capacity and proactively provide for well rehabilitation to prevent degradation. Collaborate with regulatory agencies to maintain compliance and provision for future needs.

## Why Our Team

Evaluation Criteria	AECOM Advantages	Benefits to the City
<b>Firm Qualifications and Experience</b>  35% 	<b>Ranked #1 Design Firm in Florida by ENR and consistently ranked in the top 3 nationally for Water.</b> Our experience locally, across Florida and nationally will help the City address any challenge in a highly responsive manner.	Our references will confirm our ability to provide timely solutions, bring innovative approaches to a wide range of civil infrastructure projects and consistently meet your expectations for quality and timely delivery.
<b>Project Team Experience and Qualifications</b>  35% 	<b>We bring a Ft. Lauderdale based Team</b> with the comprehensive capabilities you are requesting. With the majority of our Team experience in South Florida we have a unique understanding of how to support the City at every project stage.	Our team's experience delivering this range of civil infrastructure gives us a unique understanding of the schedule driven delivery needed to get your projects completed without impacting service to customers.
<b>Methodology and Approach to Scope of Work</b>  30% 	Our approach includes creating end user and O&M focused designs with an understanding of the construction issues required, while maintaining service of operating systems to expedite schedule, reduce risk and control costs.	Building on the combined City and AECOM lessons learned ensures that issues are proactively addressed early to avoid any surprises in cost, permitting, schedule or construction.

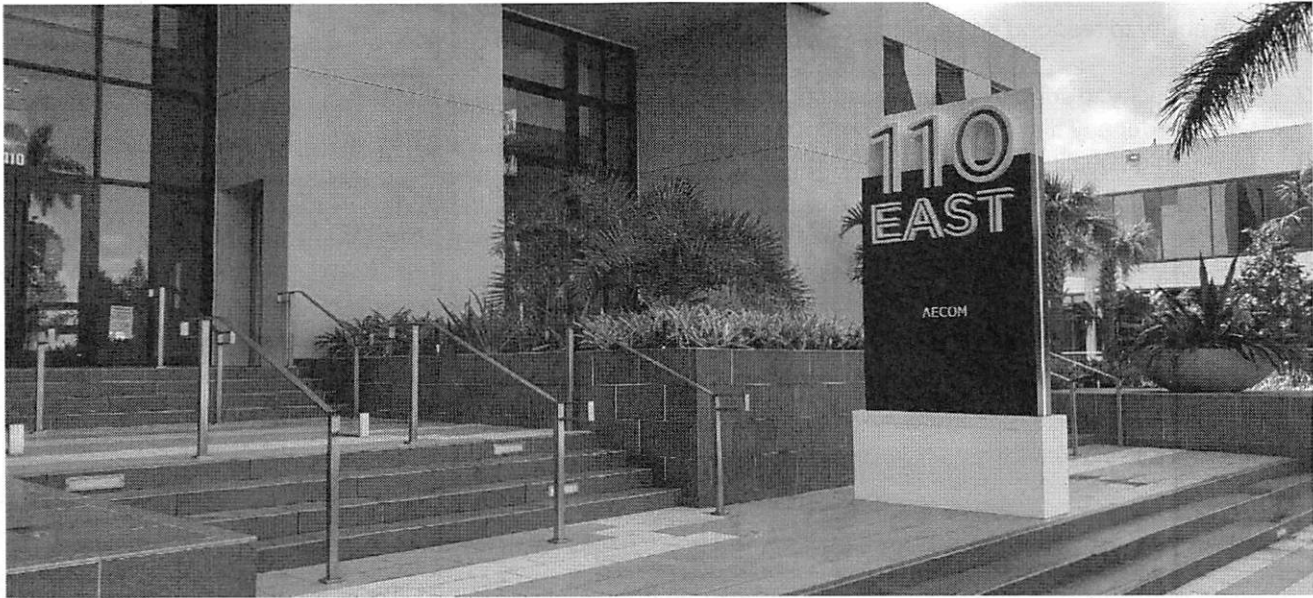
# 3

## Firm Qualifications and Experience





# 3 Firm Qualifications and Experience



## Meeting the Minimum Qualification

Required Information	
Firm's Number of Years of Experience	32 years/legacy firm's 100+ years
Business Structure	Corporation
State of Florida Engineering License	CA8115
Department of State	F95000004014
Company Contact	Jeremy Koch, PE
Company Address	110 East Broward Blvd, Suite 700, Fort Lauderdale, FL 33301
Phone Number   Fax Number	(305) 807-2955   N/A
E-Mail Address	Jeremy.Koch1@aecom.com
Web Site	www.aecom.com
Size of The Firm	48K+
Past projects for agencies of similar size and scope, including information on your firm's ability to meet time and budget requirements.	Please refer to the <b>SF 330 at the end of this section and Section 6 References</b> for projects for agencies of similar size and scope, including information on our firm's ability to meet time and budget requirements.
Indicate the firm's initiatives towards its own sustainable business practices that demonstrate a commitment to conservation.	Please see the following page.

## Experience with General Engineering Service Contracts

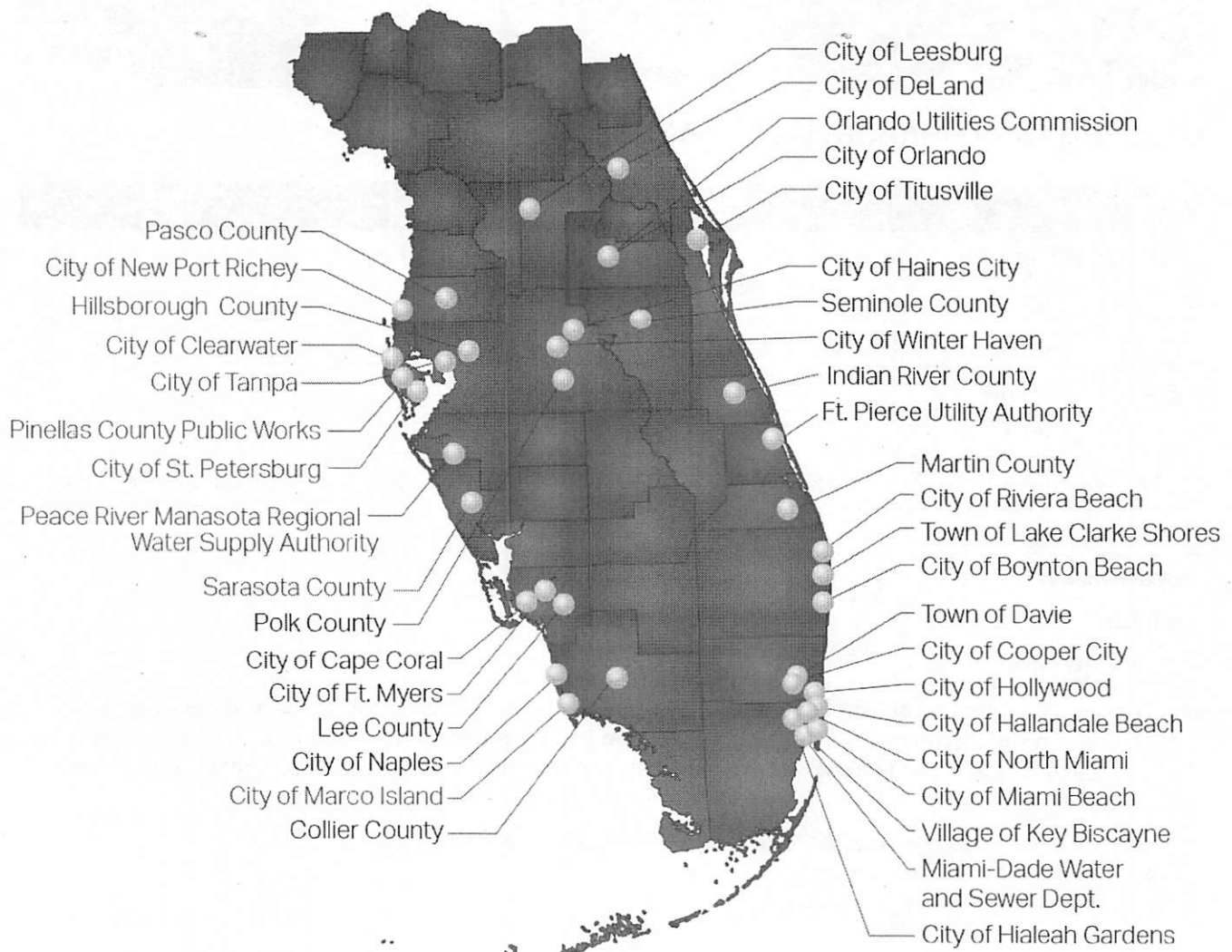
We believe that the most important qualities the Consultant must have on General Engineering Services contracts are:

1. The ability to respond immediately to client requests.
2. The capacity to supply resources, solutions, and talent under any discipline on a moment's notice.
3. Deliver high quality projects on time and on budget.
4. Highly accurate, innovative, and quality designs, and construction estimates.

Our team is proud to have successfully provided services to more than 62 clients throughout Florida under GES contracts. Many of our current contracts are shown below:

## Standard Form 330

We have provided Standard Form 330 projects following the licenses. **These represent a spectrum of potential issues that may be presented during this contract.**



## Summary of Experience and Qualifications

AECOM one of the nation's premier engineering, design, environmental and planning firms, combines technical expertise and creative excellence to provide fully integrated solutions. **Our adaptable and flexible approach to projects delivers consistency, longevity, high quality, and cost and time efficiencies.**

We determine the right approach by applying our global best practices, connected experience and delivery excellence to solve all levels of complexity. AECOM offers project lifecycle services—from initial planning studies and modelling to detailed design, program/construction management, operations and maintenance services—through traditional and alternative total project delivery options of design-build, public-private partnerships and financing.

Our team will build on our specific Florida civil infrastructure experience and lessons learned.

### Miami-Dade Water & Sewer Dept Wastewater Priority Projects



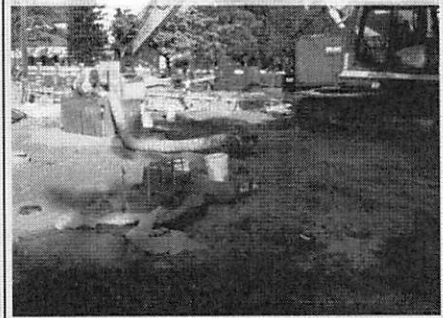
Planning and oversight of over 30 pump station rehabilitations for Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program

### City of Miami Beach Flood Mitigation Consulting



Planning and implementation of climate adaptation and resilience strategies to protect the City's built environment in the face of rising sea levels and increased flooding.

### City of Miramar Infrastructure Improvement Program



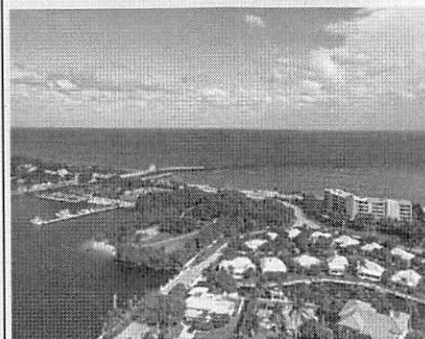
Design, permitting, and construction services for Phase I (HMII1), Phase II (HMII2), and Phase III which was a septic tank replacement and utility system improvement program in the City of Miramar.

### Town of Lake Clarke Professional Continuing Services



Replacement program involved professional services for 18 City-owned lift stations. Lift station ranges from 125-gpm to 725-gpm

### City of Boynton Beach Continuing Services



Provided civil engineering, water resources, water treatment, stormwater design and distribution/conveyance and lift and pump station services

### City of Cooper City General Engineering Services



Provided civil engineering, water resources, water treatment, wastewater treatment, stormwater design and distribution/conveyance and lift and pump station services.



## Sustainable Business Practices

Sustainability is at the core of what we do and how we operate—focusing on the environmental, social and governance impact of our business. Through our projects and our operations, we have both a significant opportunity and a responsibility to protect, enhance and restore the world's natural and social systems.

Our commitment to sustainability goes beyond meeting clients' requirements and complying with regulations at the local, state, provincial or national levels. Whether we are reducing greenhouse gas emissions, developing new ways to conserve water or promoting renewable energy, our commitment to sustainability drives innovation, resilience, risk reduction and provides attractive project life cycle returns on investment.

We are committed to addressing the effects of climate change as a key priority for our sustainability program by improving resilience and working to advance ambitious greenhouse gas emissions reduction targets.

Having achieved our previous emissions reduction targets ahead of schedule, we have set new science-based targets for 2025 that are in alignment with the Paris Agreement's goals to limit the worst effects of climate change: a 20% reduction in Scope 1 and 2 emissions and a 10% reduction in supply chain emissions from our 2018 baseline. Our new targets have been independently approved by the Science Based Targets initiative (SBTi) and, at the time of approval, AECOM was the first and only U.S.-based company in the engineering and construction sector to have set approved targets.

Key actions to achieve our emissions target include phasing out inefficient fleet vehicles, pursuing vehicle emissions reduction technology options, right sizing our real estate portfolio, investing in office energy efficiency and purchasing more renewable energy.

Additional accolades include:

- Founding member of the Climate Leadership Council
- Signatory of the United Nations Global Compact since 2012
- Ranked #1 in 2019 "Top 200 Environmental Firms"

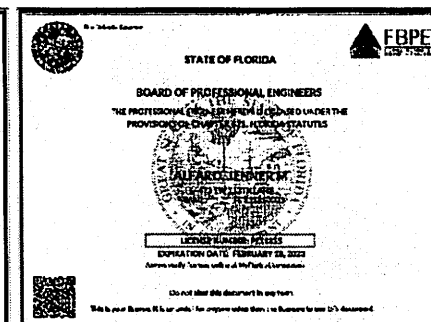
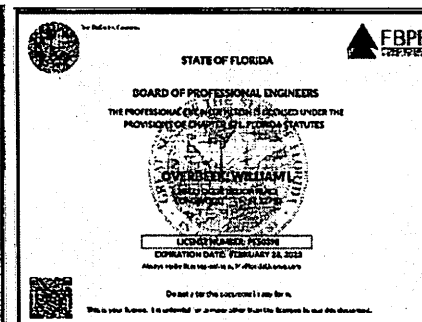
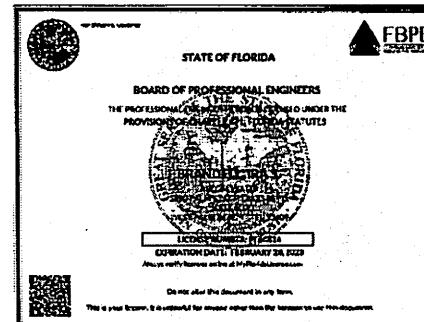
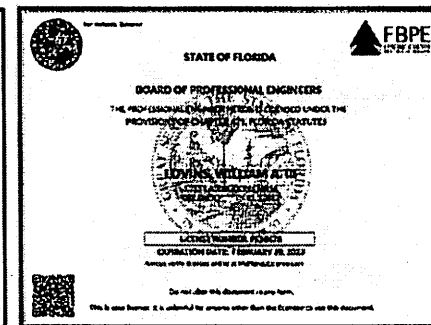
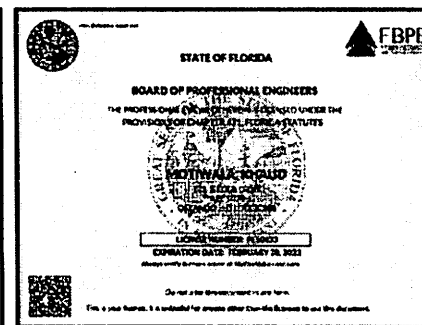
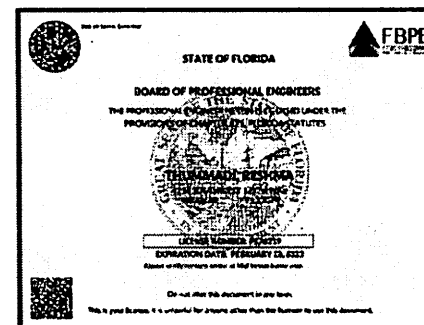
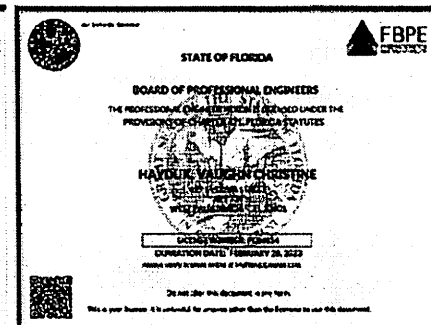
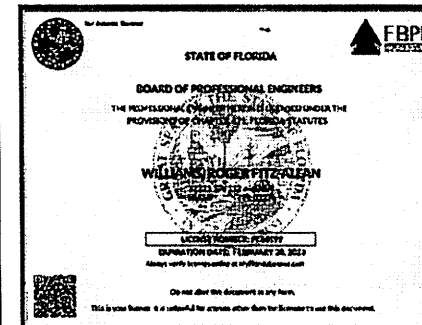
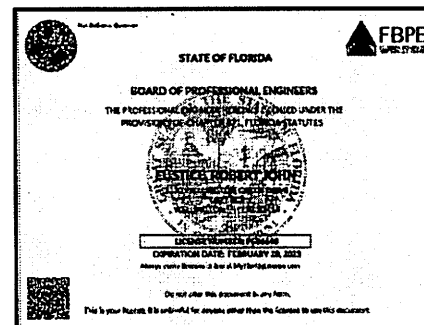
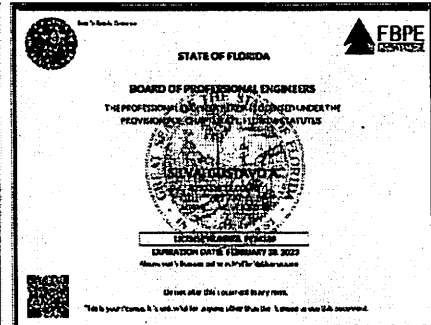
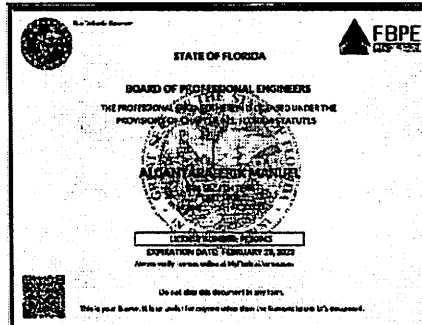
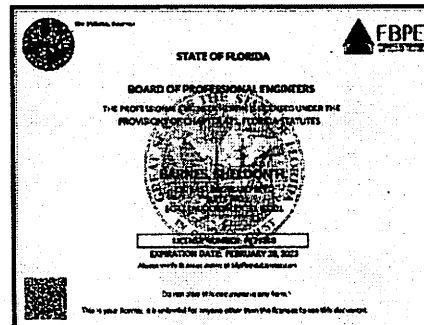
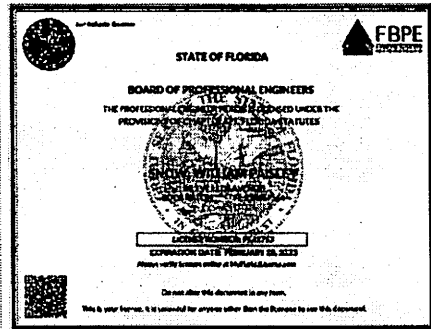
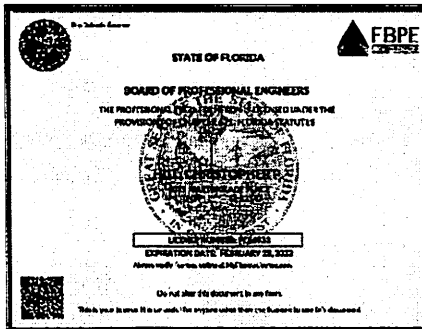
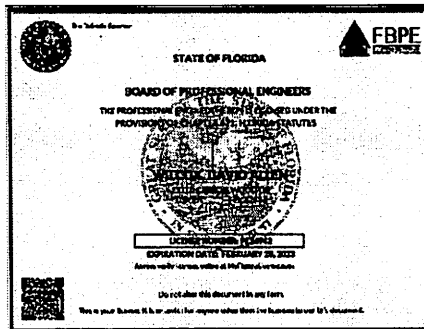


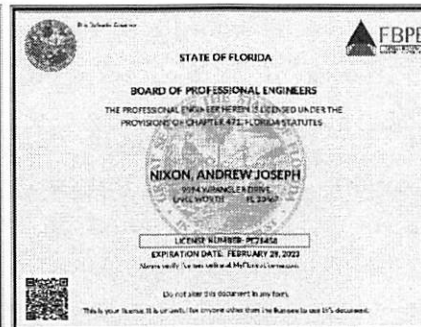
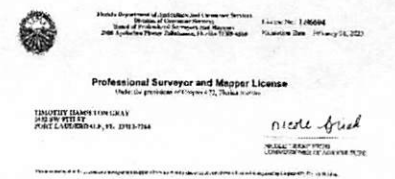
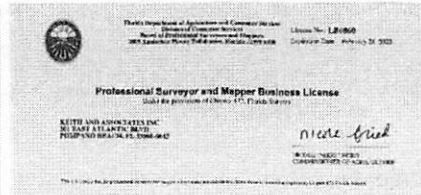
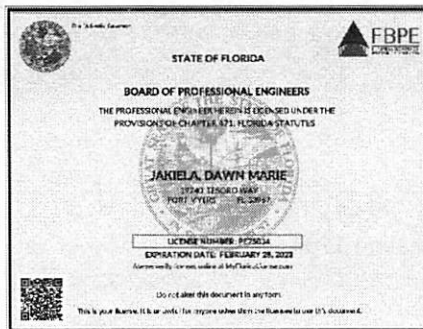
AECOM is an Envision 'Qualified Company'. We have over 180 members and **over 50 Envision Sustainability Professionals (ENV SPs)**. Our staff are actively working on multiple projects across the U.S. that have either achieved

certification or are targeting Envision certification. Envision provides a holistic framework to evaluate the community, environmental, and economic benefits of projects. The framework provides detailed criteria and performance objectives to guide project teams to make more informed decisions. The program is flexible enough to be used for a wide range of infrastructure project types.

The following pages contain AECOM's Florida licenses as well as the Florida licenses for team members.







## Licensee Information

Name:	STARKE, STEPHEN O'DONNELL
Main Address:	1544 ADAMS STREET HOLLYWOOD Florida 33020
County:	BROWARD

## License Information

License Type:	Professional Geologist
Rank:	PG
License Number:	PG1560
Status:	Current/Active
Licensure Date:	09/01/1993
Expires:	07/31/2022

# ARCHITECT-ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Civil Engineering Services, Fort Lauderdale, FL

2. PUBLIC NOTICE DATE

February 25, 2022

3. SOLICITATION OR PROJECT NUMBER

Solicitation 12637-421

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Karen Brandon, PE, Associate Vice President/Principal-in-Charge

5. NAME OF FIRM

AECOM Technical Services, Inc.

6. TELEPHONE NUMBER

(561) 684-3375

7. FAX NUMBER

N/A

8. E-MAIL ADDRESS

karen.brandon@aecom.com

### C. PROPOSED TEAM

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	JV PARTNER	SUBCONTRACTOR			
a.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	110 East Broward Blvd Suite 700 Fort Lauderdale, FL 33301	Project management, design, environmental services, construction administration
b.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2090 Palm Beach Lakes Boulevard, Suite 600 West Palm Beach, FL 33409	Project management, design, environmental services, construction administration
c.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2 Alhambra Plaza Suite 900 Coral Gables, FL, 33134	Project management, design, environmental services, construction administration, odor control, hydraulic modeling
d.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	7650 West Courtney Campbell Causeway Tampa, FL 33607	Project management, design, environmental services, construction administration
e.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	150 North Orange Avenue Suite 200 Orlando, FL 32801	Project management, design, environmental services, construction administration
f.	✓			AECOM Technical Services, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4415 Metro Parkway Suite 404 Fort Myers, FL 33916	Master planning
g.			✓	EAC Consulting, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	5100 NW 33rd Avenue Suite 243 Fort Lauderdale, FL 33309	CEI
h.			✓	KEITH <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2312 South Andrews Avenue Fort Lauderdale, FL 33316	Survey and mapping, subsurface utility engineering
i.			✓	RADISE International, LC <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	3296 NW 9th Avenue Oakland Park, FL 33309	Geotechnical
j.			✓	Woolpert <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	6100 Blue Lagoon Drive Suite 440 Miami, FL 33126	Photogrammetry and remote sensing

### D. ORGANIZATION CHART OF PROPOSED TEAM

☒ (ATTACHED)

Our organizational chart can be found in Section 4 – Qualifications of the Project Team.



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

20. EXAMPLE PROJECT KEY NUMBER

1

21. TITLE AND LOCATION (City and State)

**MDWASD General Engineering Services, Hialeah, FL**

22. YEAR COMPLETED

PROFESSIONAL  
SERVICES

CONSTRUCTION  
(If applicable)

2022 (est)

2022 (est)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade Water & Sewer  
Department (MDWASD)

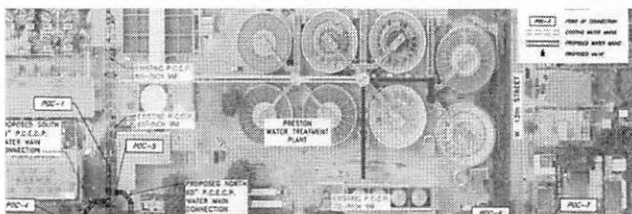
b. POINT OF CONTACT NAME

Peter Jelonek, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(786) 552-8117  
pjelo01@miamidade.gov

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



Under a professional services agreement with Miami-Dade County, Florida for engineering and construction management services, AECOM provided services to upgrade the infrastructure and operations of the Hialeah and Preston Water Treatment Plants and associated pipelines, wellfields, re-pumping facilities, remote storage and its appurtenant facilities.

AECOM has a Professional Services Agreement with Miami Dade County for engineering and construction management services to upgrade the infrastructure and operations of the Miami Dade Water and Sewer's Department's 160 MGD Preston Water Treatment Plant, along with associated pipelines, wellfields, re-pumping facilities, remote storage and its appurtenant facilities. Resiliency and sea level rise was and continues to be a prime consideration for those design projects. Fifteen task orders have been assigned as part of this contract.

**Preston Water Treatment Plant R&R: 72-Inch Redundant Water Main:** AECOM services included a task authorization for a 1,220 feet of Prestressed Concrete Cylinder Pipe (PCCP) transmission water mains (48-inch to 72-inch in diameter). Our team provided design, permitting, bid phase, and engineering construction services for a redundant 72-inch water

### RELEVANCE TO THIS CONTRACT

- |                                                                        |                                                                                                            |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Force mains/<br>water mains        | <input checked="" type="checkbox"/> Detailed design                                                        |
| <input checked="" type="checkbox"/> Modeling                           | <input checked="" type="checkbox"/> Permitting                                                             |
| <input checked="" type="checkbox"/> Survey and condition<br>assessment | <input checked="" type="checkbox"/> Wastewater pump<br>station                                             |
| <input checked="" type="checkbox"/> Public outreach                    | <input checked="" type="checkbox"/> Trenchless<br>Technologies for pipe<br>installation/<br>rehabilitation |

### COST:

Construction: \$9.8M

Cost (fee): \$8M

### SECTION E KEY PERSONNEL:

Pete Hernandez, Roger Williams, Sheldon Barnes,  
David Wilcox, Kurt Ahlgrim

main in order to provide greater system reliability to deliver potable water to the distribution system.

**Hialeah Water Treatment Plant R&R: NW 170th Street Water Main Phase 1-3 Phase 1&2:** Our team provided design, permitting, bid phase, and engineering construction services for over 10,000 LF of 36-inch pipe for finished water transmission. The project included a microtunnel under I-75 and horizontal direction drill under a canal culvert.

**Phase 3:** We provided design, permitting, bid phase, and engineering construction services for approximately 3,000 LF of 24-inch pipe for finished water transmission.

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.	Coral Gables, Fort Lauderdale, Orlando, Tampa FL	Prime Consultants
b.			

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

20. EXAMPLE PROJECT KEY NUMBER

2

21. TITLE AND LOCATION (City and State)

### Historic Miramar Infrastructure Improvement Program Phase I, II, III, Miramar, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2020	2020

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Miramar

b. POINT OF CONTACT NAME

Whittingham Gordon

c. POINT OF CONTACT TELEPHONE NUMBER

(954) 602-3120  
wogordon@miramarfl.gov

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



AECOM provided design, permitting, and construction services for the Historic Miramar Infrastructure improvements – Phase I (HMI1), Phase II (HMI2), and Phase III which was a septic tank replacement and utility system improvement program in the City of Miramar.

The project included new utilities for a 280-acre portion of this section of the City containing over 1,200 single family residences and businesses. This project also included installation of a new water distribution system (3,699 LF of 6-inch through 12-inch water main) in Phase I and replacement of 1,100 LF of 8-inch ductile iron water main along the busy corridor of Pembroke Road in Phase II.

#### Phase I

The general scope of work for Phase I included:

- Approximately 5 miles of 6- and 8-inch potable water mains
- Installation of 5 miles of gravity sanitary sewer collection
- Upgrade of a local pump
- Stormwater system improvements

#### RELEVANCE TO THIS CONTRACT

- |                                                                     |                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump stations        | <input checked="" type="checkbox"/> Construction phase services      |
| <input checked="" type="checkbox"/> Detailed design                 | <input checked="" type="checkbox"/> Permitting                       |
| <input checked="" type="checkbox"/> Modeling                        | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Survey and condition assessment |                                                                      |

#### COST:

##### Phase I:

Engineering fees: \$640K  
Final Construction: \$19.2M

##### Phase II:

Engineering fees: \$475K  
Final Construction: \$4.7M

##### Phase III: Engineering fees: \$1.08M

Final Construction: \$21M

#### SECTION E KEY PERSONNEL:

Sheldon Barnes, Robert Eustice, Peter May

#### Phase II (2013)

AECOM provided design, permitting and construction services for 29,600 LF of 8-inch and 10-inch gravity sewer, 459 sewer manholes, 4,350 LF of 8-inch force main, one duplex submersible lift station, and 3,100 LF of 15-inch to 48-inch RCP stormwater sewer.

#### Phase III (2020)

AECOM provided design, permitting and construction services for the final phase of a sewer septic tank replacement program which aims to eliminate septic tanks in the Eastern Miramar area and reduce the potential health and environmental risks associated with antiquated systems.

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.	Fort Lauderdale, West Palm Beach, FL	Prime Consultants

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

20. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION (City and State)

Collier County Professional Services MSA, Collier County, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2021	2021

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Collier County

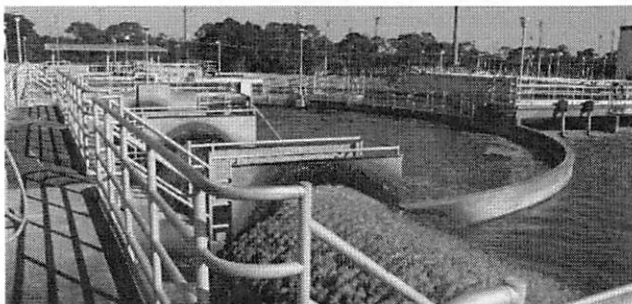
b. POINT OF CONTACT NAME

Craig J. Pajer, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(239) 252-2554  
craigpajer@colliergov.net

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



AECOM has served as a consultant to the Collier County Public Utilities Division since September 2005 under successive continuing services contracts. Since 2005, we have completed more than 100 task orders under the continuing service contracts. AECOM provided planning, design, permitting, and construction phase services on a wide range of projects, including:

- Henderson Creek Subdivision Water Distribution Improvements, Design and Construction: \$188K
- Duplex Pump Station Site Improvement Plans: \$97.5K
- Carica Pump Station Diesel Fuel Storage Tank Replacement, Design and Construction: \$104K
- West Wind Mobile Home Park Water Distribution Improvements, Design and Construction Services: \$299K
- NCRWTP Day Tank Replacement, Design and Construction Services: \$79K
- South County Regional WTP Reactor Tank #1 Inspection and Structural Evaluation: \$28K
- North County Water Reclamation Facility Clarifiers 2 & 3 Structural Evaluation: \$46K
- South County WRF Electrical Upgrade, Design and Construction: \$163K
- Northeast Service Area Hydraulic Modeling Master Plan: \$132K

### RELEVANCE TO THIS CONTRACT

- |                                                                            |                                                                      |
|----------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump stations/lift stations | <input checked="" type="checkbox"/> Construction phase services      |
| <input checked="" type="checkbox"/> Piping/valves                          | <input checked="" type="checkbox"/> Permitting                       |
| <input checked="" type="checkbox"/> Detailed design                        | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Modeling                               |                                                                      |

### COST:

Construction: Varies by task order  
Cost (fee): \$4.3M

### SECTION E KEY PERSONNEL:

Dawn Jakiela, Will Lovins, Bill Overbeek, Ira Brandell, Khalid Motiwala, Roger Williams, Reshma Thummadi, David Wilcox

- South County Regional WTP Reactor Tanks 2 & 3 Improvements, Planning, Design and Construction Services: \$99K
- North County Regional WTP PLC I/O Replacement Program, Phases 1 to 4, Design and Construction: \$711K
- Wastewater System Hydraulic Model Construction and Validation, Phases 1 and 2: \$146K
- ARV Replacement Program, Design, Bidding and Construction Services, Phases 1 to 3: \$405K
- Pelican Bay MPS 109 Upgrade, Planning and Design: \$160K
- North Wellfield I&C Improvements Program Phase 1, Design and Construction: \$120K
- Goodland Station Preliminary Assessment: \$97K
- MPS Flow Monitoring and Reporting: \$95K per year
- MPS 302 Hydraulic Modeling of South Service Area: \$95K per year
- Support Hydraulic Modeling for Interconnects: \$160K
- Emergency Generator RICE NESHAP Compliance Evaluation, Study, Design, Bidding and Construction Phase Services: \$185.6M

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.	Coral Gables, Ft Lauderdale, Orlando, West Palm Beach, Ft Myers, Tampa, FL	Prime Consultants



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

20. EXAMPLE PROJECT KEY NUMBER

4

21. TITLE AND LOCATION (City and State)

**Cooper City General Engineering Services, Cooper City, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2020	2021

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Cooper City

b. POINT OF CONTACT NAME

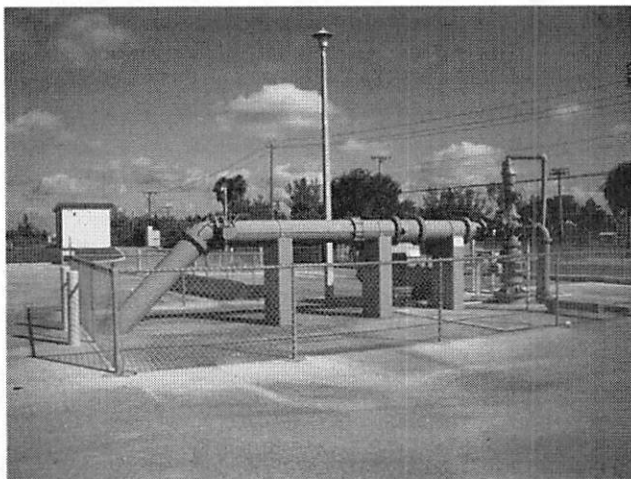
George Garba

c. POINT OF CONTACT TELEPHONE NUMBER

(954) 434-5510

[ggarba@coopercityfl.org](mailto:ggarba@coopercityfl.org)

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



As general services consultant for the City of Cooper City, our team has provided civil engineering, water resources, water treatment, wastewater treatment, stormwater design and distribution/conveyance and lift and pump station services.

Examples include:

**UIC Operation Permit Renewal TO#15.** Project involved the renewal of the City's operation permit for the deep injection well system at the George A. Haughney, P.E. Utilities Complex.

**Deep Injection Well Option Analysis TO#16.** AECOM completed an option analysis and recommended replacing the existing 14-inch carbon steel injection tubing in IW-1 and drilling a large diameter borehole to a depth of 4,000 feet.

**Mechanical Integrity Testing TO#17.** In accordance with Rule 62-528, Florida Administrative Code, AECOM developed a testing plan and technical specifications for Cooper City's a Class I injection well to demonstrate both internal and external mechanical integrity.

### RELEVANCE TO THIS CONTRACT

- |                                                                            |                                                                      |
|----------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump stations/lift stations | <input checked="" type="checkbox"/> Construction phase services      |
| <input checked="" type="checkbox"/> Piping/Valves                          | <input checked="" type="checkbox"/> Permitting                       |
| <input checked="" type="checkbox"/> Deep injection wells                   | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Modeling                               |                                                                      |

### COST:

Construction: Varied by task order

Cost (fee): Varied by task order

### SECTION E KEY PERSONNEL:

Michael Bennett, Will Lovins, Sheldon Barnes, Khalid Motiwala

**Geochemical Modeling to determine Chemical Well Stimulation Options to Restore the Injection Capacity of a Class I Industrial Injection Well.** The City planned to use IW-1 to dispose of approximately 2 to 3 mgd of treated effluent. Prior to implementation, the City requested AECOM to evaluate the performance of well IW-1 and recommend corrective action to restore and/or improve the injection capacity of IW-1.

Based on the results, AECOM recommended completing a chemical stimulation of this injection well to increase its overall injection capacity.

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.	Fort Lauderdale, Orlando, West Palm Beach, FL	Prime Consultants

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

20. EXAMPLE PROJECT KEY NUMBER

5

21. TITLE AND LOCATION (City and State)

**Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, Miami, FL**

22. YEAR COMPLETED

PROFESSIONAL  
SERVICES

CONSTRUCTION  
(If applicable)

2029 (est)

2029 (est)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade County Water and  
Sewer Department (MDWASD)

b. POINT OF CONTACT NAME

Daniel J. Edwards, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(786) 552-8354

daniel.edwards@miamidade.gov

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

MDWASD has three wastewater treatment plants with a combined peak wet weather treatment capacity of approximately 1.2 billion gallons per day (400-mgd average annual daily flow), two ocean outfalls, 21 deep injection wells, 6,277 miles of pipes and 1,042 sewer pump stations.

Our project manager, Jeremy Koch was an integral part of the delivery of the pump stations and conveyance pipelines for the program. Similar to the County's, specific to the wastewater pump station improvements, AECOM provided planning, program management, design review and construction management generally consisting of:

- More than 30 pump stations, with flows up to 30-mgd and pumps up to 450 horsepower
- Approximately 40% of the pump stations utilize pumps of 45 hp or greater
- Approximately 60% of the pump stations are less than 5-mgd and 45 horsepower
- Pump station types include submersible, wet / dry pit, and inline booster configurations
- Work ranges from equipment replacements, electrical upgrades, rehabilitations, capacity upgrades, to full station replacement
- Maintenance of flow in rehabilitating pump stations while meeting aggressive compliance schedules was top priority
- Designs consider the 2035 planning horizon and sea level rise/surge
- Challenges include work in existing built up residential and commercial areas, small areas and easement issues, dewatering issues, site space constraints

### RELEVANCE TO THIS CONTRACT

- |                                                             |                                                                      |
|-------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump station | <input checked="" type="checkbox"/> Construction phase services      |
| <input checked="" type="checkbox"/> Modeling                | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Permitting              |                                                                      |

### COST:

Construction: \$1.8B

Cost (fee): \$140 million (fee)

### SECTION E KEY PERSONNEL:

Jeremy Koch, Sheldon Barnes, Khalid Motiwala, Reshma Thummadi, Karl Romesburg

### Engineering, Permitting, Procurement Management

As part of the engineering management, defined technical design standards, procedures and design delivery performance expectations used by our design managers to oversee third party design.

As part of design management, we supported development of permit applications, submissions, reviews and other interactions with regulatory agencies. The team also supports the client's procurement process from bid notice to award, including equipment pre-purchase, consolidating small projects and alternative delivery.

### Construction Management and Cost Control

Our dedicated construction managers, construction engineers, field inspectors and administration/ document control staff service both WWTP and collection system projects. Our work has included contract administration, progress meetings, submittals processing, change control, schedule and cost management, document control and inspection services.

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.	Coral Gables, Fort Lauderdale, Orlando, FL	Prime Consultants – Program Management & Compliance
b.		

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

20. EXAMPLE PROJECT KEY NUMBER

6

21. TITLE AND LOCATION (City and State)

**Titusville Department of Water Resources Master Services Agreement, Titusville, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Ongoing	Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Titusville

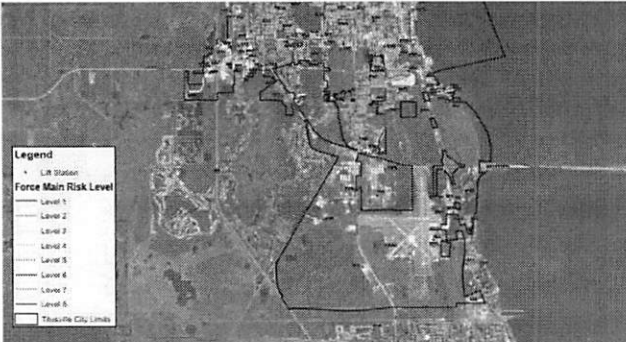
b. POINT OF CONTACT NAME

Sean Stauffer

c. POINT OF CONTACT TELEPHONE NUMBER

(321) 567-3855

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



AECOM is providing professional services to the City of Titusville under a master services agreement since 2017. Multiple projects have been completed including the following:

**Wastewater Master Plan:** Hydraulic modeling was performed to identify capital improvements associated with hydraulic capacity limitations and to reroute and rebalance flows between the two wastewater treatment facilities. Asset risk assessment was performed to identify mains with a high risk of failure. A capital program identifying recommended condition assessment, lift station and force main upgrades was developed.

**Wastewater Facilities Plan and State Revolving Loan Fund Support:** Prepared a wastewater facility plan to support the City's application for funds through the State Revolving Loan program.

**Blue Heron Water Reclamation Facility Sludge Dewatering Improvements:** AECOM provided design, permitting and construction administration services for the installation of a mobile screw press for sludge dewatering at the facility.

**Facilities Planning:** AECOM completed facilities planning associated with building upgrades at the City's

### RELEVANCE TO THIS CONTRACT

- |                                                                          |                                                                         |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Master services agreement            | <input checked="" type="checkbox"/> Water/wastewater plant improvements |
| <input checked="" type="checkbox"/> Hydraulic modeling                   | <input checked="" type="checkbox"/> Facilities planning                 |
| <input checked="" type="checkbox"/> State revolving loan funding support | <input checked="" type="checkbox"/> Force main design services          |

### COST:

Construction: Varies  
Cost (fee): Varies

### SECTION E KEY PERSONNEL:

David Wilcox, Vaughn Hayduk, Reshma Thummadi

water resources department including a new administration building and emergency operations center.

**Water Quality Master Plan:** AECOM identified necessary capital and operational improvements to the treatment and distribution systems. Implementation of the operational and monitoring protocols alleviated the water age issues and boosted chloramine levels throughout the system to levels adequate for controlling biogrowth from nitrification and exceeded regulatory requirements with high safety margins.

**Indian River Force Main Improvements:** Providing design, permitting and construction administration services for 9,000 LF of force main replacement along Indian River Drive. The project is being completed on a fasttrack basis in response to a force main break that occurred on the force main.

**Water Treatment Plant Disinfection By-Product Formation Potential and CT upgrades:** AECOM provided a desk top evaluation of disinfection contact time to identify options for enhanced disinfection including new piping and other improvements that may be necessary to meet regulatory requirements related to disinfection.

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.	Fort Lauderdale, West Palm Beach, Tampa, FL	Prime Consultants
b.			



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

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION (City and State)

**Town of Lake Clarke Shores Professional Services, Lake Clarke Shores, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

CONSTRUCTION (If applicable)

Ongoing

Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Town of Lake Clarke Shores

b. POINT OF CONTACT NAME

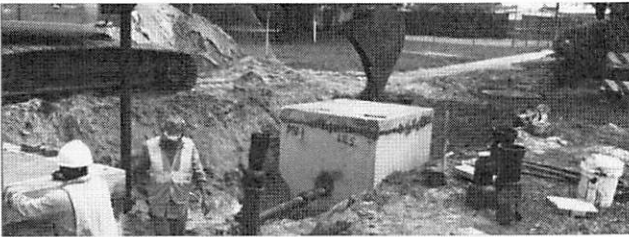
Daniel P. Clark, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(561) 964-1515

dclark@lakeclarke.org

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



AECOM has provided professional consulting services to the Town since 2003 for all its utility work. The Town of Lake Clarke Shores is responsible for water distribution and wastewater collection systems. We have provided the following to Lake Clarke Shores:

**General Utility Engineering Services:** Developed the 10-year capital improvement plan and budget for both water and wastewater projects, coordinated gravity sewer cleaning, videos and assessment for repairs to reduce the I/I, prepare the annual water quality report, and updating of water and sewer GIS.

**Lift Station Upgrades:** Within the South Service Area; the project consisted of upgrades to seven wastewater lift stations 1, 3, 5, 8, 10 11 and 12, in the Seminole Manor and Maralago Cay housing areas. The lift stations were standardized on one brand of pumps (Flygt) for ease of maintenance and spare parts. The project included upgrades to three phase and single-phase electrical panels; installing a VFD controller to convert single phase to three phases for the new pumps and motors on lift station 2; upgrading the pumps on lift station 6 and currently designing an upgrade to lift station 6 and 7 electrical panels and standardizing to PBCWUD electrical panel design.

Also designed and oversaw construction of the lift station at Auburn Park, a small development within the South Service Area which consisted of a 6 ft wet well, 15 ft deep with Flygt 35 gpm pumps. Added a new lift

### RELEVANCE TO THIS CONTRACT

- |                                                                     |                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump station         | <input checked="" type="checkbox"/> Construction phase services      |
| <input checked="" type="checkbox"/> Survey and condition assessment | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Detailed design                 | <input checked="" type="checkbox"/> Permitting                       |
| <input checked="" type="checkbox"/> Modeling                        | <input checked="" type="checkbox"/>                                  |

### COST:

Construction: Varies by task order  
Cost (fee): \$250K (annual fee)

### SECTION E KEY PERSONNEL:

Karen Brandon, Sheldon Barnes, Robert Eustice, Ira Brandell

station wet well (8 ft diameter 21 ft deep), pumps (185 gpm) and electrical panel at the Town Hall to service the Forest Hill Boulevard Plaza, three Office Buildings and Dunkin Donuts.

**Sewer Master Plan:** Developed a sewer master plan for the Town and commercial area along Forest Hill Boulevard. The Town's homes are currently on septic tank systems. The Master Plan compared a gravity system vs a vacuum sewer system. The Town was split into three service areas.

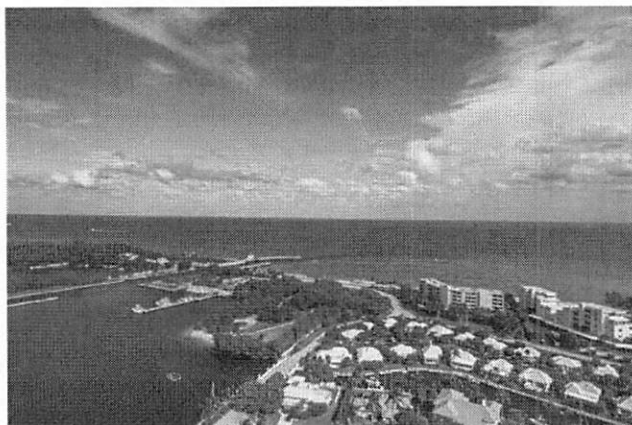
**Utility Maintenance Building:** To help the Town address the need for equipment and maintenance storage we designed a prefabricated metal building including site improvements and updated site plan at the old treatment plant site in Seminole Manor. Our

**Lift Station Electrical Panel Upgrade.** This project upgraded and replaced electrical control panels for sewer lift stations 5, 6, 7, 8, 11, and 12. As part of this process we assisted the Town in development of new standards for the lift station control panels.

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.	Fort Lauderdale, West Palm Beach, FL	Prime Consultants
b.		

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>8</b>	
<b>21. TITLE AND LOCATION (City and State)</b>		<b>22. YEAR COMPLETED</b>	
<b>City of Boynton Beach Continuing Services Contract, Boynton Beach, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	2018
<b>23. PROJECT OWNER'S INFORMATION</b>			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
City of Boynton Beach	Angela Prymas	(561) 742-6421 prymasa@bbfl.us.com	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)</b>			



AECOM provided civil engineering, water resources, water treatment, stormwater design and distribution/conveyance and lift and pump station services. Some examples of the work include:

**Water Treatment Plant Upgrades - Ion Exchange Treatability Study, Piloting & Design:** In support of the City's desire to interconnect the two water treatment plants, our work evaluated conveyance and pre-treatment of 16 mgd and 20 mgd future flow to the East WTP. Efforts included preliminary design for pre-filtration, anion exchange, and booster pump station for the surficial wellfield raw water prior to conveyance in the transmission main. Our team conducted a pilot study of two strainer filtration units to determine the effectiveness of removing sand particles from the western well raw water supply for comparison of treatment performance and associated costs. We completed the 30% design and specifications for the Anion Treatment Plant and prepared the design build bid package.

**NE 20th Avenue Drainage Improvement Project:** Localized flooding occurs several times a year in the community near NE 1<sup>st</sup> Street and NE 6th Avenue, which

#### RELEVANCE TO THIS CONTRACT

- |                                                                     |                                                                    |
|---------------------------------------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Pump stations/<br>lift stations | <input checked="" type="checkbox"/> Construction phase<br>services |
| <input checked="" type="checkbox"/> Piping/valves                   | <input checked="" type="checkbox"/> Permitting                     |
| <input checked="" type="checkbox"/> Water treatment                 | <input checked="" type="checkbox"/> Drainage design                |

#### COST:

Construction: Varied by task order  
Cost (fee): Individual task <\$200K

#### SECTION E KEY PERSONNEL:

Bill Snow, Karen Brandon, Sheldon Barnes, Robert Eustice, Ira Brandell

shuts down streets and roads. When the streets flood, it causes hardship and disruptions to community access and egress, with residents and elected officials identifying flooding as a priority resource management concern.

**Traffic Engineering:** AECOM conducted traffic observations, lane closure analysis to accommodate construction work related to utilities, per the FDOT Plans Preparation Manual, and operational analysis for two lane closure alternatives along eastbound Boynton Beach Boulevard near Military Trail. Traffic observations were conducted to assess the existing level of congestion on the eastbound approach. A lane closure analysis was conducted using historic 24-hour traffic data and existing signal timing information.

**36-inch Raw Water Main Interconnect – Section-A:** AECOM completed the route analysis study, hydraulic surge analysis, design and construction documents for approximately 8,100-ft of 36-inch raw water main as one of three sections to be constructed. Two 1,000-ft segments were designed and implemented via horizontal directional drill. Permitting of the work was conducted with FDOT, PBC Engineering, Lake Worth Drainage District, FDEP, and PBC Health Department.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>		
1) FIRM NAME	2) FIRM LOCATION (City and State)	3) ROLE
a. AECOM Technical Services, Inc.	West Palm Beach, Fort Lauderdale, FL	Prime Consultants

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

20. EXAMPLE PROJECT KEY NUMBER

9

21. TITLE AND LOCATION (City and State)

**Miami Beach Resilience and Flood Mitigation Program, Miami Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2009	2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Miami Beach

b. POINT OF CONTACT NAME

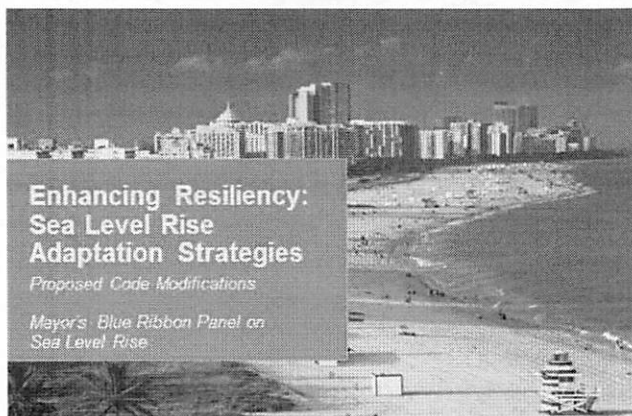
Juanita Ballesteros

c. POINT OF CONTACT TELEPHONE NUMBER

(305) 673-7010

Juanitaballesteros@miamibeachfl.gov

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



AECOM is supporting the City of Miami Beach with the planning and implementation of climate adaptation and resilience strategies to protect the City's built environment in the face of rising sea levels and increased flooding.

We are the City's Flood Mitigation and Resilience Planning Consultant, assisting the City in developing the most feasible alternatives for addressing flooding issues and providing sea level rise resilience.

AECOM's work includes:

- Peer review of the proposed solutions from previous studies
- Identification of successful flood mitigation strategies used by other cities
- Update of the Stormwater Master Plan including stormwater impact fee analysis
- Stormwater modelling, and identification of necessary infrastructure
- Identification of structural and non-structural options to provide cost savings or easier implementation
- Indian Creek seawall reconstruction and state revolving fund loan application

### RELEVANCE TO THIS CONTRACT

- |                                                                 |                                                                      |
|-----------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Wastewater pump station     | <input checked="" type="checkbox"/> Survey and condition assessment  |
| <input checked="" type="checkbox"/> Detailed design             | <input checked="" type="checkbox"/> Modeling                         |
| <input checked="" type="checkbox"/> Permitting                  | <input checked="" type="checkbox"/> Met time and budget requirements |
| <input checked="" type="checkbox"/> Construction phase services |                                                                      |

### COST:

Construction: Varies

Cost (fee): Varies

### SECTION E KEY PERSONNEL:

Karen Brandon, Roger Williams

- Leading stakeholder, staff and consultant panel reviews of the expanded spectrum of available solutions
- Review and analysis of building and zoning codes and land development regulations
- Recommendation of ordinance revisions to facilitate consistent application and implementation of sea level resilient practices
- Developing permitting strategies
- Strategies for use in the City's hazard mitigation plan and emergency response plan
- Vulnerability assessment of the City-owned built assets to clearly understand potential sea level and flooding exposure, sensitivity, and adaptive capacity
- Economic assessment of resilience protection strategies
- Recommendations for implementation and phasing

Miami Beach's Resilience Planning work links and provides a foundation for the City to build upon as part of the 100 Resilient Cities grant from the Rockefeller Foundation.

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.	Fort Lauderdale, West Palm Beach, FL	Prime Consultants
b.		



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

20. EXAMPLE PROJECT KEY NUMBER

10

21. TITLE AND LOCATION (City and State)

**Stormwater Treatment Area 1 West – Expansion #2, Palm Beach County, FL**

22. YEAR COMPLETED

PROFESSIONAL  
SERVICES

CONSTRUCTION  
(If applicable)

2018

2020

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

South Florida Water  
Management District

b. POINT OF CONTACT NAME

Alexis San Miguel, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(561) 682-2278  
amiguel@sfwmd.gov

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



The STA-1W Expansion 2 project will be constructed in approximately 1,800 acres of land located southwest of STA-1W, just west of the Arthur R. Marshall Loxahatchee National Wildlife Refuge, also known as Water Conservation Area 1 (WCA-1).

The project included a preliminary, intermediate, final and corrected final design. The preliminary design included the following studies: topographic and boundary surveys, geotechnical exploration, testing and analysis, and H&H modeling.

Six alternatives were modeled with a Mike 11 1D model to determine the best cell configuration for the STA. Based on the results from this model two alternatives were selected for further modeling with a 2D model. The first step of the 2D model was the modeling tool section between Mike Flow and Interconnected Channel and Pond Routing (ICPR) 4. ICPR 4 was selected and used to select the preferred alternative. Based on the H&H analysis the Expansion 2 project includes the following components:

- Two 500 cfs and one 625 cfs pump stations
- Four 60" underground discharge pipes
- Five Inflow and six outflow remotely operated water control structures and one weir

### RELEVANCE TO THIS CONTRACT

- |                                                                                      |                                                                                           |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Preparation of construction plans/specifications | <input checked="" type="checkbox"/> Preparation of design reports (calculations/analysis) |
| <input checked="" type="checkbox"/> Environmental restoration                        | <input checked="" type="checkbox"/> Construction cost estimates                           |
| <input checked="" type="checkbox"/> Schedules                                        | <input checked="" type="checkbox"/> Engineering studies                                   |

#### COST:

Construction: \$200M  
Cost (fee): \$10.5M

#### SECTION E KEY PERSONNEL:

Fernando Navarrete, Daniel Baker, Bill Overbeek,  
Sheldon Barnes, Khalid Motiwala

- Over 5.5 miles of a concrete lined canal
- 10 miles of perimeter containment levees
- 2.5 Miles of canals

Based on the input from the scheduling team during the preliminary design, the project was divided in the following four design packages.

1. Underground pipes package
2. STA package
3. Inflow pump stations package
4. Outflow pump stations package

The division on four packages was recommended to provide more time for the construction to help meet the consent order.

AECOM was able to provide added value for the client by expediting the design of the packages 1 and 2 which were successfully completed 9 and 2 months ahead of schedule. Packages 3 and 4 for the inflow and outflow pump stations were completed on schedule.

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.	West Palm Beach, FL	Prime Consultants
b.			

### G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F									
		1	2	3	4	5	6	7	8	9	10
<b>Karen Brandon, PE</b>	Principal-in-Charge	•	•		•	•		•	•	•	•
<b>Jeremy Koch, PE, PMP</b>	Project Manager	•				•			•		
<b>David Wilcox, PE</b>	QA/QC	•		•		•	•		•		
<b>Brian Stitt, PEng</b>	Wastewater Treatment	•		•	•	•					
<b>Chris Hill, PE</b>	Drinking Water Treatment						•				
<b>Bill Snow, PE</b>	Membrane Treatment	•	•		•			•	•		
<b>Sheldon Barnes, PE</b>	Process Mechanical	•	•	•	•	•			•		•
<b>Erik Alcantara, PE, PMP, ENV SP</b>	Stormwater								•	•	
<b>Gus Silva, PE, ENV SP</b>	Civil and Pipelines								•	•	
<b>Erica Harris, ENV SP</b>	Coastal									•	
<b>John Carel, PE</b>	Seawalls										
<b>Robert Eustice, PE</b>	Stormwater Modeling									•	
<b>Roger Williams, PE</b>	Pipelines, Trenchless, Rehab	•									
<b>Vaughn Hayduk, PE</b>	Lift Stations						•				
<b>Reshma Thummadi, PE</b>	Hydraulic Modeling	•				•	•				
<b>Erik Boyer, PE</b>	Transportation Engineering										
<b>Khalid Motiwala, PE</b>	Structural	•	•	•	•		•	•			•
<b>Will Lovins, PhD, PE</b>	Water Quality	•		•	•		•		•		
<b>Ira Brandell, PE</b>	Electrical	•		•	•		•	•			•
<b>William Overbeek, PE</b>	I&C	•		•	•		•	•			•
<b>Jenner Alfaro, PE</b>	CEI										
<b>Dawn Jakiela, PE</b>	Master Planning			•							
<b>Mark Blanchard</b>	Policy, Finance Advisory	•				•				•	
<b>Tim Gray, PSM, CFM</b>	Survey, Mapping and SUE										
<b>Michael Bennett, PG</b>	Hydrology and Wells	•			•	•	•				
<b>Monica Gregory</b>	Resiliency										
<b>Andrew Nixon, PE</b>	Geotechnical										
<b>Andrew Pickford, CP, GISP</b>	Photogrammetry and Remote Sensing										
<b>Fernando Navarrete, PhD, PE</b>	Water Resources							•	•	•	•
<b>Everette Lopez, EI</b>	Pre-Construction Permitting	•	•			•		•	•	•	
<b>Stephen O. Starke, PG</b>	Env. and Regulatory										
<b>Juan Alfonso, AIA, NCARB</b>	Project Program Advisory					•					

### 29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (From Section F)	NO.	TITLE OF EXAMPLE PROJECT (From Section F)
1	MDWASD General Engineering Services	6	Titusville Professional General Engineering Services
2	Historic Miramar Infrastructure Improvement Prog.	7	Lake Clarke Shores Professional Services
3	Collier County Professional Services MSA	8	Boynton Beach Continuing Services
4	Cooper City General Engineering Services	9	Miami Beach Flood Mitigation Consulting and Sea Level Rise, Resiliency Study
5	MDWASD Wastewater Priority Projects	10	SFWMD Stormwater Treatment Area 1 West, Exp #2



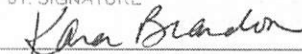
## H. ADDITIONAL INFORMATION

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

Please refer to sections 2, 3, 4, 5, 6, 7 and 8 for additional information.

## I. AUTHORIZED REPRESENTATIVE THE FOREGOING IS A STATEMENT OF FACTS.

31. SIGNATURE



33. NAME AND TITLE

Karen D. Brandon, PE, Authorized signatory

32. DATE

March 25, 2022

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
12637-421

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.		3. YR. ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)
2b. STREET 110 East Broward Boulevard, Suite 700		5. OWNERSHIP	
2c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33301	a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Dan Levy, PG, Vice President Business Development			b. SMALL BUSINESS STATUS Large
6b. TELEPHONE NUMBER 561.862.1117	6c. E-MAIL ADDRESS dan.levy@aecom.com		7. NAME OF FIRM (If block 2a is a branch office) AECOM Technical Services, Inc.
8a. FORMER FIRM NAME(S) (If any) No firm name change during the last six years		8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
02	Administrative	1,317	1	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
06	Architect	1,289	4	C15	Construction Management	10
07	Biologist	226	3	C18	Cost Estimating; Cost Eng. & Analysis	7
08	CADD Technician	2,143	1	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
10	Chemical Engineer	202	1	D04	Design-Build – Preparation of RFPs	8
12	Civil Engineer	6,755	10	E02	Educational Facilities; Classrooms	10
15	Construction Inspector	1,087	1	E07	Energy Conservation; New Energy Sources	9
16	Construction Manager	919	2	E09	Env. Impact Studies, Assessments or Statements	10
21	Electrical Engineer	1,420	1	E12	Environmental Remediation	10
23	Environmental Engineer	1,138	6	G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
24	Environmental Scientist	1,842	3	G04	GIS: Development, Analysis, & Data Conversion	8
29	GIS Specialist	413	2	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
30	Geologist	828	4	H07	Highways; Streets; Airfield Paving; Parking Lots	10
36	Industrial Hygienist	18	2	H09	Hospital; Medical Facilities	9
42	Mechanical Engineer	1,394	3	M05	Military Design Standards	7
48	Project Manager [subset of other disciplines]	[7,601]	[22]	O01	Office Buildings; Industrial Parks	9
53	Scheduler	173	2	P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
57	Structural Engineer	1,742	4	P12	Power Generator; Transmission	10
58	Technician/Analyst	2,669	7	R06	Rehabilitation (Buildings; Structures; Facilities)	8
60	Transportation Engineer	1,405	13	S04	Sewage Collection, Treatment and Disposal	10
	Other technical staff	21,994	11	S05	Soils & Geologic Studies; Foundations	7
				S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
				T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10
	<b>Total</b>	<b>48,974</b>	<b>81</b>			

### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

01 January 2022

c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

12637-421

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.			3. YR. ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)	
2b. STREET 2 Alhambra Plaza, Suite 900			5. OWNERSHIP		
2c. CITY Coral Gables	2d. STATE FL	2e. ZIP CODE 33134	a. TYPE Corporation		
6a. POINT OF CONTACT NAME AND TITLE Pete Hernandez, Business Development Senior Manager			b. SMALL BUSINESS STATUS Large		
6b. TELEPHONE NUMBER 305.444.4691			6c. E-MAIL ADDRESS pedro.hernandez@aecom.com		
8a. FORMER FIRM NAME(S) (If any) No firm name change during the last six years			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER	
7. NAME OF FIRM (If block 2a is a branch office) AECOM Technical Services, Inc.					

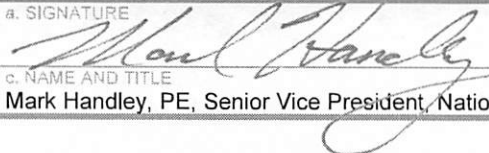
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
06	Architect	1,289	9	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
07	Biologist	226	4	C15	Construction Management	10
08	CADD Technician	2,143	5	C18	Cost Estimating; Cost Eng. & Analysis	7
12	Civil Engineer	6,755	11	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
15	Construction Inspector	1,087	3	D04	Design-Build – Preparation of RFPs	8
16	Construction Manager	919	6	E02	Educational Facilities; Classrooms	10
19	Ecologist	349	2	E07	Energy Conservation; New Energy Sources	9
21	Electrical Engineer	1,420	4	E09	Env. Impact Studies, Assessments or Statements	10
23	Environmental Engineer	1,138	4	E12	Environmental Remediation	10
24	Environmental Scientist	1,842	4	G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
30	Geologist	828	1	G04	GIS: Development, Analysis, & Data Conversion	8
37	Interior Designer	116	1	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
39	Landscape Architect	499	1	H07	Highways; Streets; Airfield Paving; Parking Lots	10
42	Mechanical Engineer	1,394	3	H09	Hospital; Medical Facilities	9
47	Planner: Urban/Regional	528	2	M05	Military Design Standards	7
48	Project Manager [subset of other disciplines]	[7,601]	[18]	O01	Office Buildings; Industrial Parks	9
57	Structural Engineer	1,742	4	P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
58	Technician/Analyst	2,669	5	P12	Power Generator; Transmission	10
60	Transportation Engineer	1,405	6	R06	Rehabilitation (Buildings; Structures; Facilities)	8
62	Water Resources Engineer	445	1	S04	Sewage Collection, Treatment and Disposal	10
	Other technical staff	22,180	23	S05	Soils & Geologic Studies; Foundations	7
				S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
	Total	48,974	99	T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

01 January 2022

c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

12637-421

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.			3. YR ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)	
2b. STREET 2090 Palm Beach Lakes Boulevard, Suite 600			5. OWNERSHIP		
2c. CITY West Palm Beach	2d. STATE FL	2e. ZIP CODE 33409	a. TYPE Corporation		
5a. POINT OF CONTACT NAME AND TITLE Karen Brandon, PE, Principal Client Service Manager			b. SMALL BUSINESS STATUS Large		
6b. TELEPHONE NUMBER 561.684.3375		6c. E-MAIL ADDRESS karen.brandon@aecom.com		7. NAME OF FIRM (If block 2a is a branch office) AECOM Technical Services, Inc.	
8a. FORMER FIRM NAME(S) (If any) No firm name change during the last six years			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER	

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
02	Administrative	1,317	1	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
08	CADD Technician	2,143	2	C15	Construction Management	10
12	Civil Engineer	6,755	12	C18	Cost Estimating; Cost Eng. & Analysis	7
13	Communications Engineer	28	1	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
15	Construction Inspector	1,087	3	D04	Design-Build – Preparation of RFPs	8
16	Construction Manager	919	1	E02	Educational Facilities; Classrooms	10
21	Electrical Engineer	1,420	2	E07	Energy Conservation; New Energy Sources	9
23	Environmental Engineer	1,138	2	E09	Env. Impact Studies, Assessments or Statements	10
27	Foundation/Geotechnical Engineer	724	7	E12	Environmental Remediation	10
29	GIS Specialist	413	1	G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
30	Geologist	828	1	G04	GIS: Development, Analysis, & Data Conversion	8
42	Mechanical Engineer	1,394	1	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
47	Planner: Urban/Regional	528	1	H07	Highways; Streets; Airfield Paving; Parking Lots	10
48	Project Manager [subset of other disciplines]	[7,601]	[9]	H09	Hospital; Medical Facilities	9
52	Sanitary Engineer	161	1	M05	Military Design Standards	7
58	Technician/Analyst	2,669	22	O01	Office Buildings; Industrial Parks	9
62	Water Resources Engineer	445	2	P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
				P12	Power Generator; Transmission	10
				R06	Rehabilitation (Buildings; Structures; Facilities)	8
				S04	Sewage Collection, Treatment and Disposal	10
				S05	Soils & Geologic Studies; Foundations	7
				S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
				T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10
	Other technical staff	27,005	9			
	<b>Total</b>	<b>48,974</b>	<b>69</b>			

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

(Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

b. DATE

01 January 2022



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

12637-421

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.		3. YR. ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)
2b. STREET 4415 Metro Parkway, Suite 404		5. OWNERSHIP	
2c. CITY Fort Myers	2d. STATE FL	2e. ZIP CODE 33916	a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Ronald Cavalieri, PE, BCEE, Principal Engineer			b. SMALL BUSINESS STATUS Large
6b. TELEPHONE NUMBER 239.278.7996	6c. E-MAIL ADDRESS ronald.cavalieri@aecom.com		7. NAME OF FIRM (if block 2a is a branch office) AECOM Technical Services, Inc.
8a. FORMER FIRM NAME(S) (if any) No firm name change during the last six years		8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

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

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
12	Civil Engineer	6,755	6	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
15	Construction Inspector	1,087	4	C15	Construction Management	10
23	Environmental Engineer	1,138	1	C18	Cost Estimating; Cost Eng. & Analysis	7
27	Foundation/Geotechnical Engineer	724	1	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
48	Project Manager [subset of other disciplines]	[7,601]	[2]	D04	Design-Build – Preparation of RFPs	8
58	Technician/Analyst	2,669	1	E02	Educational Facilities; Classrooms	10
	Geophysicist	25	2	E07	Energy Conservation; New Energy Sources	9
				E09	Env. Impact Studies, Assessments or Statements	10
				E12	Environmental Remediation	10
				G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
				G04	GIS: Development, Analysis, & Data Conversion	8
				H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
				H07	Highways; Streets; Airfield Paving; Parking Lots	10
				H09	Hospital; Medical Facilities	9
				M05	Military Design Standards	7
				O01	Office Buildings; Industrial Parks	9
				P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
				P12	Power Generator; Transmission	10
				R06	Rehabilitation (Buildings; Structures; Facilities)	8
				S04	Sewage Collection, Treatment and Disposal	10
				S05	Soils & Geologic Studies; Foundations	7
				S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
				T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10
	Other technical staff	36,576	1			
	<b>Total</b>	<b>48,974</b>	<b>16</b>			

### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

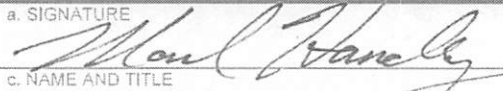
### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

01 January 2022

c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

12637-421

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.		3. YR ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)
2b. STREET 150 North Orange Avenue, Suite 200		5. OWNERSHIP a. TYPE Corporation	
2c. CITY Orlando	2d. STATE FL	2e. ZIP CODE 32801	b. SMALL BUSINESS STATUS Large
5a. POINT OF CONTACT NAME AND TITLE Randy Mejeur, LEED AP, Associate Vice President Operations Leadership			7. NAME OF FIRM (If block 2a is a branch office) AECOM Technical Services, Inc.
6b. TELEPHONE NUMBER 407.843.6552	6c. E-MAIL ADDRESS randy.mejeur@aecom.com		
8a. FORMER FIRM NAME(S) (If any) No firm name change during the last six years		8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
06	Architect	1,289	3	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
07	Biologist	226	1	C15	Construction Management	10
08	CADD Technician	2,143	7	C18	Cost Estimating; Cost Eng. & Analysis	7
12	Civil Engineer	6,755	26	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
15	Construction Inspector	1,087	3	D04	Design-Build – Preparation of RFPs	8
16	Construction Manager	919	1	E02	Educational Facilities; Classrooms	10
18	Cost Engineer/Estimator	773	4	E07	Energy Conservation; New Energy Sources	9
19	Ecologist	349	2	E09	Env. Impact Studies, Assessments or Statements	10
21	Electrical Engineer	1,420	7	E12	Environmental Remediation	10
23	Environmental Engineer	1,138	13	G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
24	Environmental Scientist	1,842	6	G04	GIS: Development, Analysis, & Data Conversion	8
30	Geologist	828	6	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
39	Landscape Architect	499	4	H07	Highways; Streets; Airfield Paving; Parking Lots	10
42	Mechanical Engineer	1,394	1	H09	Hospital; Medical Facilities	9
47	Planner: Urban/Regional	528	3	M05	Military Design Standards	7
48	Project Manager [subset of other disciplines]	[7,601]	[36]	O01	Office Buildings; Industrial Parks	9
57	Structural Engineer	1,742	10	P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
58	Technician/Analyst	2,669	19	P12	Power Generator; Transmission	10
60	Transportation Engineer	1,405	2	R06	Rehabilitation (Buildings; Structures; Facilities)	8
62	Water Resources Engineer	445	2	S04	Sewage Collection, Treatment and Disposal	10
				S05	Soils & Geologic Studies; Foundations	7
				S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
				T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10
	Other technical staff	21,523	67			
	<b>Total</b>	<b>48,974</b>	<b>187</b>			

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

(Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

b. DATE

01 January 2022



## ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

12637-421

### PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME AECOM Technical Services, Inc.		3. YR ESTABLISHED 1970	4. UNIQUE ENTITY IDENTIFIER 003184462 (ATS HQ DUNS) EPUXNLX5EYC4 (Unique Entity Number)
2b. STREET 7650 West Courtney Campbell Causeway		5. OWNERSHIP a. TYPE Corporation	
2c. CITY Tampa	2d. STATE FL	2e. ZIP CODE 33607-1462	b. SMALL BUSINESS STATUS Large
6a. POINT OF CONTACT NAME AND TITLE Charles H. Evans, Vice President Program Management			7. NAME OF FIRM (If block 2a is a branch office) AECOM Technical Services, Inc.
6b. TELEPHONE NUMBER 813.636.2453	6c. E-MAIL ADDRESS charlie.evans@aecom.com		
8a. FORMER FIRM NAME(S) (If any) No firm name change during the last six years		8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM GLOBAL #s	(2) BRANCH OFFICE #s			
06	Architect	1,289	8	A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
08	CADD Technician	2,143	13	C15	Construction Management	10
12	Civil Engineer	6,755	54	C18	Cost Estimating; Cost Eng. & Analysis	7
15	Construction Inspector	1,087	48	D01/D02	Dams (Earth; Rock); Dikes; Levees	10
16	Construction Manager	919	5	D04	Design-Build – Preparation of RFPs	8
18	Cost Engineer/Estimator	773	13	E02	Educational Facilities; Classrooms	10
21	Electrical Engineer	1,420	14	E07	Energy Conservation; New Energy Sources	9
23	Environmental Engineer	1,138	5	E09	Env. Impact Studies, Assessments or Statements	10
24	Environmental Scientist	1,842	3	E12	Environmental Remediation	10
25	Fire Protection Engineer	83	3	G01	Garages; Vehicle Maint. Facilities; Parking Decks	7
27	Foundation/Geotechnical Engineer	724	3	G04	GIS: Development, Analysis, & Data Conversion	8
30	Geologist	828	3	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	7
39	Landscape Architect	499	8	H07	Highways; Streets; Airfield Paving; Parking Lots	10
42	Mechanical Engineer	1,394	8	H09	Hospital; Medical Facilities	9
47	Planner: Urban/Regional	528	2	M05	Military Design Standards	7
48	Project Manager [subset of other disciplines]	[7,601]	[78]	O01	Office Buildings; Industrial Parks	9
57	Structural Engineer	1,742	23	P05/P06	Planning (Community, etc.; Site, Installation & Project)	9
58	Technician/Analyst	2,669	16	P12	Power Generator; Transmission	10
60	Transportation Engineer	1,405	23	R06	Rehabilitation (Buildings; Structures; Facilities)	8
62	Water Resources Engineer	445	3	S04	Sewage Collection, Treatment and Disposal	10
				S05	Soils & Geologic Studies; Foundations	7
	Other technical staff	21,291	77	S09	Structural Design; Special Structures	8
				S10	Surveying; Platting; Mapping; Flood Plain Studies	7
				S13	Storm Water Handling & Facilities	8
	Total	48,974	332	T03	Traffic & Transportation Engineering	10
				W02/W03	Water Resources; Water Supply Treatment/Distribution	10

#### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

#### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

#### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

01 January 2022

c. NAME AND TITLE

Mark Handley, PE, Senior Vice President, National Governments

1. SOLICITATION NUMBER (If any)

**RFQ# 12637-421**

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME <b>EAC Consulting, Inc.</b>			3. YEAR ESTABLISHED <b>1994</b>		4. DUNS NUMBER <b>837121466</b>	
2b. STREET <b>5100 NW 33 Avenue, Suite 243</b>			5. OWNERSHIP			
2c. CITY <b>Fort Lauderdale</b>		2d. STATE <b>FL</b>	2e. ZIP CODE <b>33309</b>		a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE <b>Huntley Higgins, PE- Vice President (PM)</b>			b. SMALL BUSINESS STATUS <b>No</b>			
6b. TELEPHONE NUMBER <b>954-714-2000</b>			6c. E-MAIL ADDRESS <b>hhiggins@eacconsult.com</b>			
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED		8c. DUNS NUMBER	

8a. FORMER FIRM NAME(S) (If any)	8b. YR. ESTABLISHED	8c. DUNS NUMBER

## 9. EMPLOYEES BY DISCIPLINE

[illegible]

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

(Insert revenue index number shown at right)


a. Federal Work	3
b. Non-Federal Work	8
c. Total Work	8

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,00 to less than \$250,000      | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

## 12. AUTHORIZED REPRESENTATIVE

**The foregoing is a statement of facts.**

a. SIGNATURE 	b. DATE 03/25/2022
--------------------------------------------------------------------------------------------------	-----------------------

c. NAME AND TITLE

**Huntley Higgins, PE- Vice President**

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

**12637-421**

## PART II – GENERAL QUALIFICATIONS

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

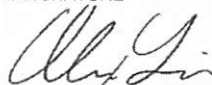
2a. FIRM (OR BRANCH OFFICE) NAME KEITH			3. YEARS ESTABLISHED 1998		4. DUNS NUMBER 618480219	
2b. STREET 2312 South Andrews Ave			5. OWNERSHIP			
2c. CITY Fort Lauderdale			a. TYPE Corporation			
2d. STATE FL			b. SMALL BUSINESS STATUS N/A			
2e. ZIP CODE 33316			7. NAME OF FIRM (if block 2a is a branch office) N/A			
6a. POINT OF CONTACT NAME AND TITLE Alex Lazowick, PE, PMP, President			8b. YR. ESTABLISHED N/A			
6b. TELEPHONE NUMBER 954-788-3400			8c. DUNS NUMBER N/A			
6c. E-MAIL ADDRESS marketing@keithteam.com						
8a. FORMER FIRM NAME(S) (if any) Keith and Associates, Inc.						


9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) Firm	(2) Branch			
02	Administrative	29	1	A06	Airports; Terminals and Hangars	0
12	Civil Engineering, PE	16	0	B02	Bridges	0
60	Transportation Engineering, PE	3	0	C07	Coastal Engineering	0
15	Construction Inspector	6	0	C10	Commercial Building (Low Rise)	2
16	Construction Manager	20	0	C11	Community Facilities	3
29	G.I.S. Specialist	1	0	C15	Construction Management	2
38	Land Surveyor, PSM	4	0	C16	Construction Surveying	2
39	Landscape Architect, RLA	8	8	E02	Educational Facilities	2
47	Planner: Urban/Regional	8	7	F02	Field Houses; Gyms; Stadiums	0
48	Project Manager	4	0	G04	G.I.S. Services; Development, Analysis	1
53	Scheduler	1	0	H07	Highways, Street, Airfield Paving	2
	Landscape Designer	9	9	H09	Hospitals & Medical Facilities	2
	Project Engineer	28	0	I06	Irrigation; Drainage	2
	Project Surveyor	7	0	L03	Landscape Architecture	3
	Survey Field Crew	13	0	P05	Planning (Community, Regional...)	3
	Subsurface Utility Engineer	3	0	R03	Railroad; Rapid Transit	0
	Subsurface Utility Field Crew	8	0	R04	Recreation Facilities (Parks, Marinas, etc.)	3
	Utility Coordinator	7	0	S10	Surveying; Platting; Mapping; Flood Study	2
	VDC/BIM/CIM	1	0	S13	Storm Water Handling & Facilities	1
				T04	Topographic Surveying & Mapping	2
				W03	Water Supply; Treatment & Distribution	2
				Z01	Zoning; Land Use Studies	2
TOTAL		175	25			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	N/A	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	4	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	4	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3/22/2022
c. NAME AND TITLE Alex Lazowick, PE, PMP, President	

<b>ARCHITECT-ENGINEER QUALIFICATIONS</b>					1. SOLICITATION NUMBER (If any)	
<b>PART II – GENERAL QUALIFICATIONS</b> <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2a. FIRM (OR BRANCH OFFICE) NAME <b>RADISE INTERNATIONAL, LC</b>				3. YEAR ESTABLISHED <b>1997</b>		4. DUNS NUMBER <b>053898446</b>
2b. STREET <b>3296 NW 9th Avenue (Powerline Rd)</b>				5. OWNERSHIP		
2c. CITY <b>Oakland Park</b>		2d. STATE <b>FL</b>		2e. ZIP CODE <b>33309</b>		a. TYPE <b>Limited Liability Corporation</b>
6a. POINT OF CONTACT NAME AND TITLE <b>Andrew Nixon, P.E.; Operations Manager</b>				b. SMALL BUSINESS STATUS <b>Florida M/WBE</b>		
6b. TELEPHONE NUMBER <b>561-841-0103</b>		6c. E-MAIL ADDRESS <b>Andrew.Nixon@radise.net</b>		7. NAME OF FIRM <i>(If block 2a is a branch office)</i>		
8a. FORMER FIRM NAME(S) <i>(If any)</i>				8b. YR. ESTABLISHED		8c. DUNS NUMBER
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
02	Administrative	5	1	T02	Testing & Inspection Services	6
14	Computer Programmer	3	0	S05	Soils & Geological Studies	5
15	Construction Inspector	11	4	G04	Geographic Information System	1
27	Foundation/Geotechnical	16	3	C13	Computer Facilities; Computer	3
55	Soils Engineer	18	2			
48	Project Manager	7	2			
	<i>Other Employees</i>	10	0			
<i>Total</i>		70	12			
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. Federal Work		4		1. Less than \$100,000		
b. Non-Federal Work		6		2. \$100,000 to less than \$250,000		
c. Total Work		6		3. \$250,000 to less than \$500,000		
				4. \$500,000 to less than \$1 million		
				5. \$1 million to less than \$2 million		
				6. \$2 million to less than \$5 million		
				7. \$5 million to less than \$10 million		
				8. \$10 million to less than \$25 million		
				9. \$25 million to less than \$50 million		
				10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE						
The foregoing is a statement of facts.						
a. SIGNATURE 					b. DATE <b>3/24/2022</b>	
c. NAME AND TITLE <b>Andrew Nixon P.E / Operations Manager</b>						

1. SOLICITATION NUMBER (If any)  
RFQ # 12637-421

## PART II – GENERAL QUALIFICATIONS


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

2a. FIRM (OR BRANCH OFFICE) NAME Woolpert, Inc.			3. YEAR ESTABLISHED 2005		4. UNIQUE ENTITY IDENTIFIER 032923984	
2b. STREET 6100 Blue Lagoon Drive, Suite 440			5. OWNERSHIP			
2c. CITY Miami			2d. STATE FL		2e. ZIP CODE 33126	
6a. POINT OF CONTACT NAME AND TITLE Mark Tomczyk, PE, LEED GA, Contract / Project Manager			a. TYPE Corporation			
6b. TELEPHONE NUMBER 305.351.2948			b. SMALL BUSINESS STATUS No			
6c. E-MAIL ADDRESS Mark.Tomczyk@woolpert.com			7. NAME OF FIRM (If block 2a is a branch office) Woolpert, Inc. (Parent Firm)			
8a. FORMER FIRM NAME(S) (If any) Woolpert LLP (Woolpert has been established since 1911)			8b. YR. ESTABLISHED 1997		8c. UNIQUE ENTITY IDENTIFIER 032923984	

[illegible]

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> <i>(Insert revenue index number shown at right)</i>		<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	5	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	5	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

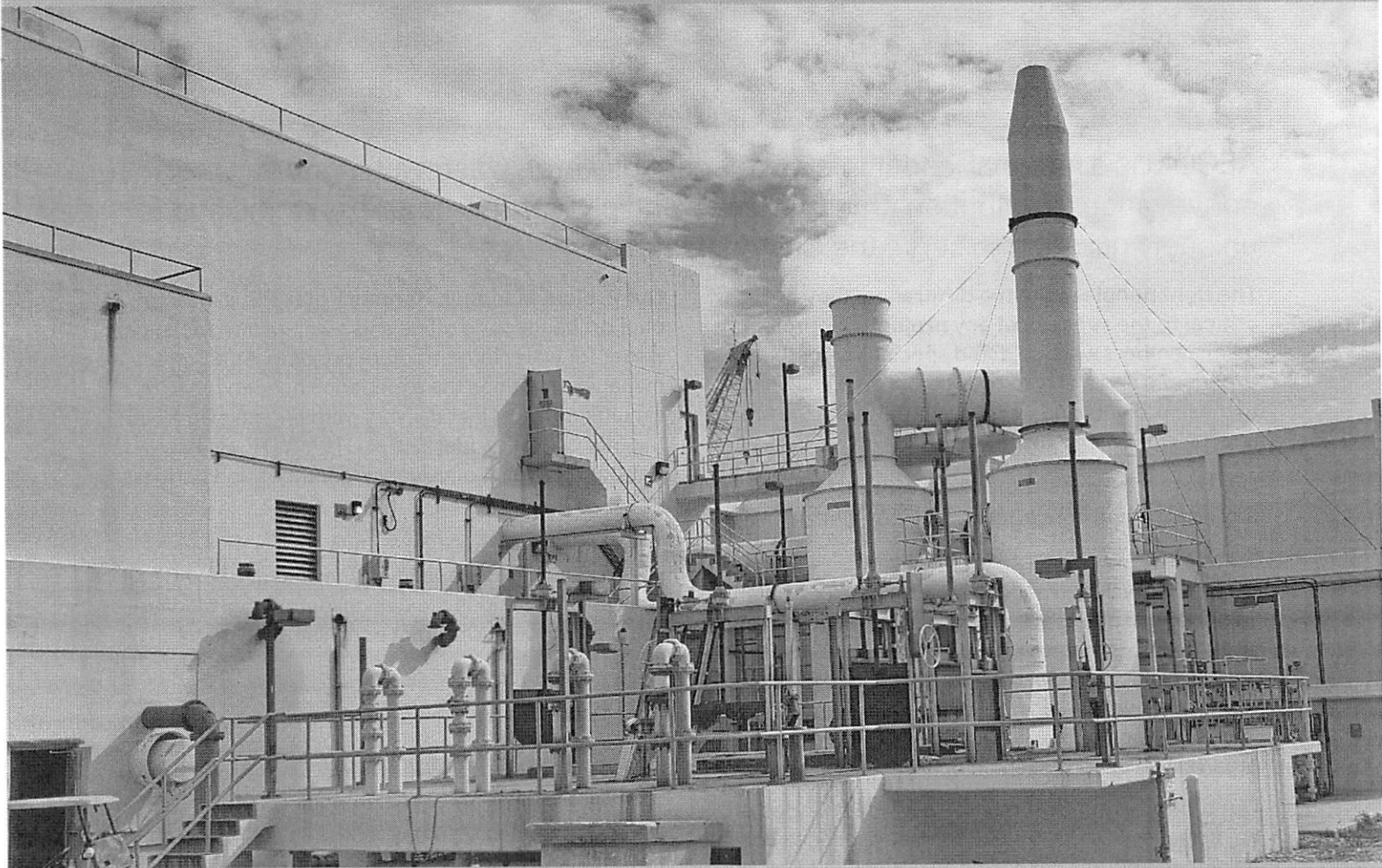
12. AUTHORIZED REPRESENTATIVE  
The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3-23-2022
c. NAME AND TITLE K. Flint Holbrook, Senior Vice President	



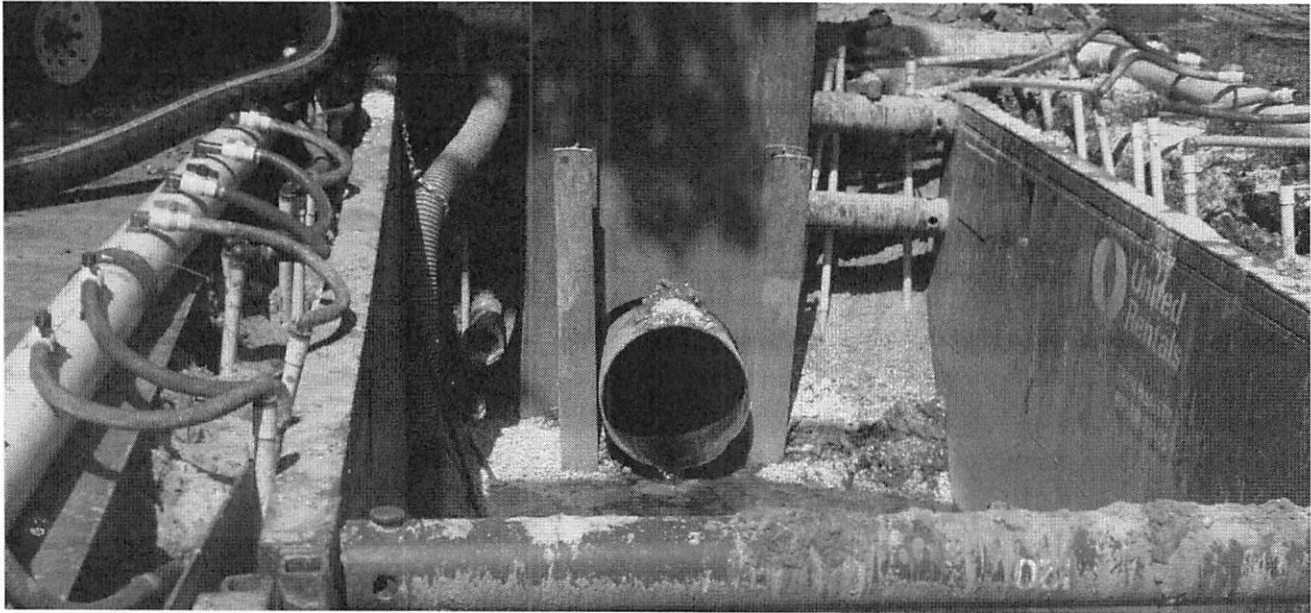
# 4

## Qualifications of the Project Team





# 4 Qualifications of the Project Team



AECOM is a national leader in every aspect of water, wastewater, stormwater conveyance, distribution, transportation and civil infrastructure systems and is uniquely qualified to serve the City on this contract.

**The right people make the difference; they are critical to the success of any project.** Our project team members were selected specifically for their experience and ability to provide the services unique to these projects and whose familiarity with the area and the work will be beneficial.

**Our team** brings vast experience with performing engineering and construction services, both locally and nationally.

**Our staff** is well-equipped to support all your capital improvement objectives, from condition assessment and planning through to construction and commissioning. Our team is right sized for delivery and with members focused on the necessary disciplines as identified, and their roles have been depicted in the organization chart presented below.

**Our technical support** members will be engaged on an "as needed" basis for any specialty services and helping to address unknowns as projects evolve. Our highly qualified local sub-consultants are discussed at the end of this section.

**Our Project Manager, Jeremy Koch, PE;** is local to our Fort Lauderdale office and a well-known technical leader for water infrastructure projects. As a project manager, he brings the experience needed for simultaneous project delivery, with ongoing work with the City of Fort Lauderdale at GTL WWTP. He has developed a team of valuable resources and partners to deliver the project.

This team is well qualified for this work with many years of local experience and knowledge of the City's issues. This includes the design, permitting, bidding and Construction Contract administration many similar projects.

The organization chart and table starting on the following page highlights our delivery team members' qualifications related to your projects illustrating the depth and breadth of our project team.

We have included resumes for the key team members as part of our SF330.

## Organization of the Project Team

We have structured our team to provide the City with comprehensive technical services and focused delivery to address any challenge.

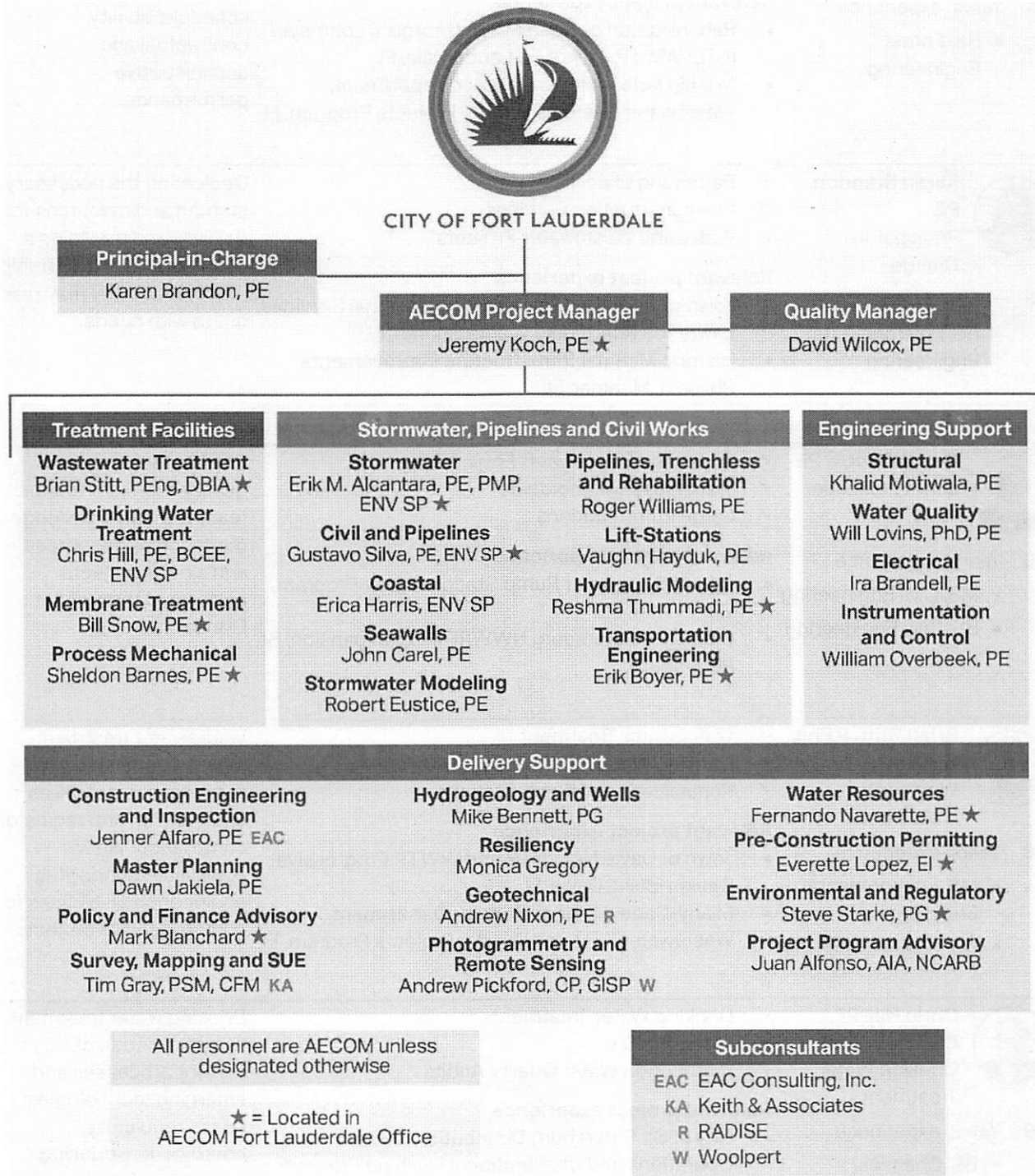







Table 1. Delivery Team, Engineering, and Technical Support Staff

Personnel	Experience	Project Role Involvement
 <b>Jeremy Koch, PE</b> Project Manager 24 Years' experience <ul style="list-style-type: none"> <li>BS, Forest Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Project Management</li> <li>✓ Water and Wastewater Engineering</li> <li>✓ Experience with City of Ft. Lauderdale</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Rehabilitation of Flash Mix at George T. Lohmeyer (GTL) WWTP, City of Ft. Lauderdale, FL</li> <li>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, FL</li> </ul>	Serves as the single point of contact and the manager responsible for all technical, construction, schedule, quality, contractual and administrative performance.
 <b>Karen Brandon, PE</b> Principal-in-Charge 38 Years' experience <ul style="list-style-type: none"> <li>BS, Environmental Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Permitting Expertise</li> <li>✓ Pre-construction Services</li> <li>✓ Water and Wastewater Projects</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Town of Lake Clarke Shores Professional Services, Lawrence Road, Lake Clarke Shores, FL</li> <li>Historic Miramar Infrastructure Improvements Phase 3, Miramar, FL</li> </ul>	Dedicating the necessary staffing and resources for delivery and providing a supplementary leadership role that the City may reach out to with needs.
 <b>David Wilcox, PE</b> Quality Manager 40 Years' experience <ul style="list-style-type: none"> <li>MS, Civil Engineering</li> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Water and Wastewater Engineering</li> <li>✓ Trenchless Technologies</li> <li>✓ Large Pump Stations</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>City of Clearwater Pump Station Repair Program, Clearwater, FL</li> <li>City of St. Petersburg NWWRF Filter Expansion, St. Petersburg, FL</li> </ul>	Provide technical and quality oversight to the team with the knowledge of our technical resources and similar projects performed throughout Florida
 <b>Brian Stitt, P.Eng, DBIA</b> Wastewater Treatment 28 Years' experience <ul style="list-style-type: none"> <li>MS, Environmental Engineering</li> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Wastewater Treatment</li> <li>✓ Drinking Water Treatment</li> <li>✓ Rehabilitation of Pump Stations</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Town of Davie New WTP and WWTP Progressive Design-Build, Davie, FL</li> <li>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, FL</li> </ul>	Wastewater treatment mostly associated with rehabilitation as well as optimization and regulatory compliance. He will coordinate supporting engineering disciplines for comprehensive projects.
 <b>Chris Hill, PE, BCEE, ENV SP</b> Drinking Water Treatment 29 Years' experience <ul style="list-style-type: none"> <li>BS, Chemical Engineering</li> <li>BA, Business</li> </ul>	<ul style="list-style-type: none"> <li>✓ Drinking Water Treatment</li> <li>✓ Water Supply</li> <li>✓ Distribution Water Quality Audits</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>City of St. Petersburg Distribution System Operations and Unidirectional Flushing Program, FL</li> <li>Distribution System Water Quality Audit, Hillsborough County, FL</li> </ul>	Drinking water treatment, with knowledge of City's current processes and emerging technologies. Leads regulatory coordination, drinking water planning, design and supply management efforts.



Personnel	Experience	Project Role Involvement
 <b>Bill Snow, PE</b> Membrane Treatment 51 Years' experience <ul style="list-style-type: none"> <li>BS, Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Membrane Treatment</li> <li>✓ Water Treatment</li> <li>✓ Wastewater Treatment</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>City of Hialeah Design Build Reverse Osmosis Water Treatment Plant, Hialeah, FL</li> <li>City of Miramar West NF and RO Water Treatment Plant Assessment, Miramar, FL</li> </ul>	Supports treatment related efforts with specific technical expertise in membrane treatment, design technology, start-up, training and operations.
 <b>Sheldon Barnes, PE</b> Process Mechanical 16 Years' experience <ul style="list-style-type: none"> <li>MS, Mechanical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Mechanical Systems</li> <li>✓ Water and Wastewater Treatment Facilities</li> <li>✓ Pump Stations</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, FL</li> <li>Town of Davie New WTP and WWTP Progressive Design-Build, Davie, FL</li> </ul>	Process mechanical engineering that begins with an analysis of systems and assessment of needs. Will provide the general technical direction for pumps, valves, piping and equipment pf systems.
 <b>Erik Alcantara, PE, PMP, ENV SP</b> Stormwater 8 Years' experience <ul style="list-style-type: none"> <li>ME, Civil Engineering (Ongoing)</li> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Stormwater Management</li> <li>✓ Resiliency</li> <li>✓ Alternative Project Delivery</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>South Florida Water Management District, STA 1W – Expansion #2 Project, Palm Beach County, FL</li> <li>Village of Key Biscayne Stormwater Program Initial Public Engagement, Key Biscayne, Florida</li> </ul>	Stormwater engineering coordinating with hydraulic flood modeling, coastal engineering, marine structures (seawalls), transportation, and other associated civil support disciplines.
 <b>Gustavo Silva, PE, ENV SP</b> Civil and Pipelines 8 Years' experience <ul style="list-style-type: none"> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Civil Infrastructure Design</li> <li>✓ Water Conveyance Design</li> <li>✓ Wastewater Conveyance Design</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>West Ave. Neighborhood Improvements North of 14th St. &amp; South of 14th St., Miami Beach, FL</li> <li>Miami-Dade Water and Sewer Department Pump Station Improvement Program, Miami, FL</li> </ul>	Responsible for supporting civil work and site aspects of water, wastewater, stormwater, and transportation to meet regulatory requirements, site accessibility and associated issues.
 <b>Erica Harris</b> Coastal 10 Years' experience <ul style="list-style-type: none"> <li>MS, Oceanography</li> <li>BS, GIS &amp; Spatial Analysis</li> </ul>	<ul style="list-style-type: none"> <li>✓ Coastal</li> <li>✓ Resiliency</li> <li>✓ Climate Adaptation Policy</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>City of Miami Beach Flood Mitigation &amp; Resilience Study, Miami Beach, FL</li> <li>City of Naples Climate Change Vulnerability Assessment and Adaptation Plan, Naples, FL</li> </ul>	Primarily an advisory role to other civil disciplines when delivering work in coastally influenced environments. Focused on coastal project success with early planning and regulatory engagement.

Personnel	Experience	Project Role Involvement
 <b>Robert Eustice, PE</b> Stormwater Modelling  8 Years' experience <ul style="list-style-type: none"> <li>MS, Civil Engineering</li> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Stormwater Master Plan Studies</li> <li>✓ Flood Reduction Studies</li> <li>✓ Urban Drainage Evaluations</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>City of Miami Beach Flood Mitigation Consulting Services, Miami Beach, FL</li> <li>City of Miramar, Historic Miramar Infrastructure Improvements Phase 3, Miramar, FL</li> </ul>	Supports stormwater, transportation and civil planning and design with the hydraulic modelling of stormwater collection and conveyance systems. Work is built on and incorporated with current City models.
 <b>Roger Williams, PE</b> Pipelines, Trenchless, and Rehabilitation  20 Years' experience <ul style="list-style-type: none"> <li>MS, Environmental Engineering</li> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Trenchless Technologies Design</li> <li>✓ Open Cut Pipeline Design</li> <li>✓ Constructability Assessments</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Miami-Dade Water and Sewer Department 72-inch PCCP Redundant Main at Preston WTP, Miami FL</li> <li>Miami-Dade Water and Sewer Department Miami Avenue 48-inch FM, Miami, FL</li> </ul>	Lead pipeline planning and design efforts, directing engineering staff efforts for standard construction and directly engineering large, complex, and sophisticated buried piping and tunneling projects.
 <b>Vaughn Hayduk, PE</b> Lift Stations  8 Years' experience <ul style="list-style-type: none"> <li>BS, Chemical Engineering</li> <li>MEng, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Lift Station Design</li> <li>✓ Water/Wastewater Hydraulic Modeling</li> <li>✓ Condition Assessment and Rehabilitation</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Palm Beach County Water Utilities Department Master Lift Station 5133 Conversion, FL</li> <li>Indian River County Utilities Wells' S-7, S-4, and Oslo Wellfield Rehabilitation, FL</li> </ul>	Engineering efforts associated with replacement, modification, and rehabilitation of lift stations. In this role, she will also coordinate with support disciplines for creation of complete systems.
 <b>Reshma Thummadi, PE</b> Hydraulic Modeling  10 Years' experience <ul style="list-style-type: none"> <li>MS, Environmental Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Water/Wastewater Hydraulic Modeling</li> <li>✓ Utility Planning</li> <li>✓ Treatment Facility Design</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, FL</li> <li>Collier County MPS 306 Wastewater Basin Analyses Program, Collier County, FL</li> </ul>	Leads hydraulic modelling of drinking water distribution and wastewater conveyance. These efforts will include optimization of systems, master planning for future needs, improving model accuracy and informing basis of design.
 <b>Erik Boyer, PE</b> Transportation Engineering  16 Years' experience <ul style="list-style-type: none"> <li>BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Public Transportation Facilities</li> <li>✓ Roadway Design</li> <li>✓ Complex Maintenance of Traffic</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>El Mar Drive from Palm Avenue to Pine Avenue, FDOT District Four, Broward County, FL</li> <li>SR-814/Atlantic Blvd, from SR-5/US-1 to SRA1A/Ocean Dr., FDOT District Four, Broward County, FL</li> </ul>	Stand alone transportation planning and design as well as supporting related infrastructure designs. Assists with coordination of FDOT and other transportation agencies

Personnel	Experience	Project Role Involvement
 <b>Khalid Motiwala, PE</b> Structural 29 Years' experience <ul style="list-style-type: none"> <li>• BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Structural Engineering</li> <li>✓ Structural Assessments</li> <li>✓ Facility Engineering</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• John E. Preston Water Treatment Plant Infrastructure and Operations Upgrade, Hialeah, FL</li> <li>• Polk County Utilities Master Consulting Agreement, Polk County, FL</li> </ul>	Responsible for the delivery of the design, assessment, and rehabilitation oversight for all key structural portions of the work.
 <b>Will Lovins, PhD, PE</b> Water Quality 31 Years' experience <ul style="list-style-type: none"> <li>• PhD, MS &amp; BS, Environmental Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Drinking Water Quality</li> <li>✓ Drinking Water Treatment</li> <li>✓ Corrosion Control</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• City of Titusville Master Planning and Distribution Water Quality Evaluation, Titusville, FL</li> <li>• Town of Davie New WTP and WWTP Progressive Design-Build, Davie, FL</li> </ul>	Provides technical support to both drinking water treatment and distribution systems with the intent of improving and maintaining high quality and safe drinking water supplied to customers.
 <b>Ira Brandell, PE</b> Electrical 48 Years' experience <ul style="list-style-type: none"> <li>• BS, Electrical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Electrical Power and Control Systems</li> <li>✓ Generation and Lighting Systems</li> <li>✓ Instrumentation Design</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• City of Hollywood Continuing Services: Various Pump Station Conversion Program, FL</li> <li>• Miami-Dade Water and Sewer Department Preston WTP, Miami, FL</li> </ul>	Water and wastewater specific electrical design (such as pumping and treatment), proactive coordinate with FPL, comprehensive electrical supply and backup power.
 <b>William Overbeek, PE</b> Instrumentation 33 Years' experience <ul style="list-style-type: none"> <li>• BS, Chemical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Instrumentation</li> <li>✓ Telemetry</li> <li>✓ SCADA Process Control</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• Collier County Public Utilities Master Plan, Collier County, FL</li> <li>• Advanced Wastewater Treatment Facility Electrical Upgrades, Fort Myers, FL</li> </ul>	Providing state of the industry instrumentation and control systems and communications with existing City SCADA management.
 <b>Dawn Jakiela, PE</b> Master Planning 39 Years' experience <ul style="list-style-type: none"> <li>• BE, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Master Planning</li> <li>✓ Water/Wastewater Facilities</li> <li>✓ Water/Wastewater Treatment</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• City of Boynton Beach, Continuing Services Contract, Boynton Beach, FL</li> <li>• Cape Coral Continuing Services Contract, Cape Coral, FL</li> </ul>	Incorporating financial needs, asset management, long term growth planning and capital improvement needs to provide cost effective and adaptive master planning strategies.
 <b>John Carel, PE</b> Seawalls 49 Years' experience <ul style="list-style-type: none"> <li>• MS, Civil Engineering</li> <li>• BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Bulkheads/Seawalls</li> <li>✓ Sheet Piling</li> <li>✓ Construction Sequencing</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• Port Manatee Berth Engineering, Palmetto, FL</li> <li>• Port of Palm Beach Berth 17, Riviera Beach, FL</li> </ul>	Seawalls and marine structures supporting stormwater, transportation and civil work that both protects against flooding while providing long term structural protection.



Personnel	Experience	Project Role Involvement
 <b>Mark Blanchard</b> Finance & Policy  35 Years' experience <ul style="list-style-type: none"> <li>• BS, Geology</li> </ul>	<ul style="list-style-type: none"> <li>• Capital Improvement Planning</li> <li>• Program Management</li> <li>• Public Private Partnerships</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• City of Ft. Lauderdale Parks Department Bond Program Management, Ft. Lauderdale, FL</li> <li>• Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, FL</li> </ul>	AECOM's Executive for South Florida provides the City access to the breadth of policy expertise and financial management advisory services that supports many of our large projects and programs.
 <b>Michael Bennett, PG</b> Hydrogeology and Wells  35 Years' experience <ul style="list-style-type: none"> <li>• MS, Hydrogeology</li> <li>• BS, Geology</li> </ul>	<ul style="list-style-type: none"> <li>✓ Hydrogeology</li> <li>✓ Groundwater Modeling</li> <li>✓ Geochemistry and Geophysics</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• Miami Beach Hydrogeologic &amp; Groundwater Monitoring Program, Miami Beach, FL</li> <li>• City of Miramar Water Use Permit Modification, Miramar, FL</li> </ul>	Hydrogeology and well components of the work, focusing on the quality and quantity of water supply. Additionally, he will be supporting the primary mean of effluent disposal at GTL through injection wells.
 <b>Monica Gregory</b> Resiliency  7 Years' experience <ul style="list-style-type: none"> <li>• MPA, Environmental Policy &amp; Mgmt</li> <li>• BA, Environmental Anthropology</li> </ul>	<ul style="list-style-type: none"> <li>✓ Resilience Planning and Critical Infrastructure</li> <li>✓ Coastal Management</li> <li>✓ Parks and Historic Resources</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• Little River Adaptation Action Area, Miami-Dade County, FL</li> <li>• Miami-Dade County Sea Level Rise Strategy, Miami-Dade County, FL</li> </ul>	Informs design teams and available to advise City on policy regarding the incorporation of resiliency aspects in civil infrastructure for resistance to and recovery from disruptive environmental events.
 <b>Fernando Navarrete, PE</b> Water Resources  27 Years' experience <ul style="list-style-type: none"> <li>• PhD, Ocean Engineering</li> <li>• BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Water and Stormwater Municipal Rehabilitation</li> <li>✓ Hydraulic and Hydrologic Modeling</li> <li>✓ Groundwater Modeling and Monitoring</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• South Florida Water Management District, STA 1W – Expansion #2 Project, Palm Beach County, FL</li> <li>• City of Oakland Park, Water Main and Storm Drainage Improvements, Bid Package #11, FL</li> </ul>	Assists planning and design teams with water resources supply and natural water systems with a strong working relationship with water regulatory and management agencies.
 <b>Everette Lopez, EI</b> Pre-Construction Permitting  19 Years' experience <ul style="list-style-type: none"> <li>• MS, Engineering Management</li> <li>• BS, Civil Engineering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Water Treatment</li> <li>✓ Pipeline installation and replacement</li> <li>✓ Water/Wastewater Design and Permitting</li> </ul> <b>Relevant project experience</b> <ul style="list-style-type: none"> <li>• Town of Davie New WTP and WWTP Progressive Design-Build, Davie, FL</li> <li>• Miami-Dade Water and Sewer Department Preston WTP 72-Inch Redundant Water Main, Hialeah, FL</li> </ul>	Leads the preconstruction coordination between design teams and local agencies to obtain permits and pre-approvals prior to construction. Proactive efforts of permitting preventing delays.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Karen Brandon, PE</b>	<b>Principal-in-Charge</b>	a. TOTAL <b>38</b>	b. WITH CURRENT FIRM <b>32</b>

15. FIRM NAME AND LOCATION (City and State)	
<b>AECOM (West Palm Beach, FL)</b>	
16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
<b>BS, Environmental Engineering</b>	<b>Professional Engineer – FL</b>

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

Karen has over 38 years of civil, water resources, and regulatory experience in the design and permitting of large stormwater management, utility and port projects with environmental impacts. She serves as District Engineer and provides general consulting for several Water Control Districts and Community Development Districts, complex regional hydrologic modeling studies, development of municipal stormwater master plans and stormwater utilities, and roadway projects.

19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>SFWMD STA 1W Phase 2 Expansion Project, Palm Beach County, FL</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Principal-in-Charge/QA/QC Reviewer</b> for deliverable reports for the preliminary, intermediate and final designs of the STA components, which include the following: Two - 500 cfs inflow pump stations (PS); One - 625 cfs outflow PS; one seepage/ hydration PS; Inflow and outflow water control structures; over 5.5 miles of connection canal; 10 miles of inflow canals and levees, a discharge canal, and 2 miles of seepage canal.		
<b>b. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
<b>Town of Lake Clarke Shores, Professional Services, Lake Clarke Shores, FL</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Principal-in-charge.</b> Responsible for the general utility engineering services continuing contract. Projects include water mains, force mains, lift stations, and master planning. Services include assessment, planning, design, permitting, interagency coordination, and construction administration.		
<b>c. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
<b>Miami-Dade Water &amp; Sewer Department, Water Main Microtunnel and Force Main Utility Tunnel, Miami, FL</b>	PROFESSIONAL SERVICES <b>2012</b>	CONSTRUCTION (If applicable) <b>2012</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Permitting manager.</b> Performed QA review of technical specifications. Also responsible for the environmental regulatory permits from the Miami-Dade County Dept. of Environmental Resource Management, FDEP, and the U.S. Army Corps of Engineers. Permitting was the critical path for the \$37M project. Performed QA review of technical specifications.		
<b>d. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
<b>Palm Beach County Water Utilities Department (PBCWUD), Master Pump Station Contract, Palm Beach County, FL</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Principal-in-charge.</b> Responsible for MSA contract for engineering services for rehabilitation and improvements to 10 repump stations, two master lift stations, and 1 vacuum station. Services include assessment, design, permitting, cost estimating, bid support, asset management, value engineering and engineering services during construction.		
<b>e. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
<b>Miami Beach Flood Mitigation Consulting and Sea Level Rise/ Resiliency Study, Miami Beach, FL</b>	PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (If applicable) <b>N/A</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>QA/QC Reviewer.</b> QA/QC review of design reports for 48 drainage basins for proposed stormwater management system improvements within the City. Reports included conceptual layout and design of stormwater management and pollution prevention systems to reduce flooding impacts due to existing system deficiencies and projected sea level rise. Cost \$7.2M in fees.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Jeremy Koch, PE, PMP</b>	<b>Project Manager</b>	a. TOTAL <b>24</b>	b. WITH CURRENT FIRM <b>10</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization)  <b>BS, Forest Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  <b>Professional Engineer – FL, NY, GA, HI NCEES Certificate #29076 Project Management Professional (PMP)</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Jeremy's technical and project delivery experience is focused on assisting clients on a spectrum of water infrastructure needs with a focus on assessment, rehabilitation, renewal and upgrade of existing civil water infrastructure. Work has included treatment facilities, distribution/conveyance systems, biosolids management, water reclamation, and energy savings, recovery, and generation. Process engineering includes evaluation and design for more than 30 treatment facilities ranging in capacity from less than 0.1 to more than 250 million gallons per day. Facility and utility master planning includes small (<1,000 pop.) to large scale (>1MM pop.) to address water supply, regulatory mandates, utility management and financial/capital improvement planning.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade Water and Sewer Department, Wastewater Collection and Transmission System Improvements, Miami, FL</b>		PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION (if applicable) <b>2022</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project /Program Manager and Engineer of Record</b> leading a team of 14 consultants in the design of improvements as stipulated by the Consent Decree requirements with EPA. Over 50 standalone project task authorizations were issued with facilities including 21 pump stations with firm capacities from less than 1 mgd to greater than 40 mgd, and pumping units up to 450 hp. Additionally more than 37 conveyance pipelines up to 60-inch diameter totaling over 70,000 linear feet. Work ranged from rehabilitation and replacement to all new facilities. Critical to the success was meeting the expedited schedule while completing much of the work simultaneously in parallel.</p>			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City and County of Honolulu, Department of Environmental Services, Honouliuli/Waipahu/Pearl City Wastewater Facilities Plan, Oahu, HI</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project Manager</b> for the 5-year effort of facility planning and preliminary engineering of long-range capital improvements for the collection and treatment systems serving the Honouliuli Sewer Basin, with daily flows exceeding 26 mgd and serving a population of over 300,000. The collection system includes 500 miles of gravity sewer, 17 pump stations and 12 miles of force main. Improvements addressed an EPA Consent Decree and met future needs (45 mgd average flow in 2050). Through improved flow modeling, significant cost saving options were found through pump station and collection operating modifications. Other work included the concept design and layout of treatment facility upgrade from primary to secondary treatment as well as a comprehensive island-wide biosolids master plan.</p>			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Alexander Orr Jr. Water Treatment Plant Rehabilitation and Renewal, Miami-Dade Water and Sewer Department, Miami, FL</b>		PROFESSIONAL SERVICES <b>2018</b>	CONSTRUCTION (if applicable) <b>2021</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<p><b>Project Manager and Technical Lead.</b> Work on this contract included for various improvements to the Alexander Orr Jr. Water Treatment Plant (WTP) and associated distribution system. The WTP is a conventional lime softening facility with a design and rated capacity of 256 and 217.74 mgd respectively. Work was performed as part of a multiple year master service agreement and included condition assessment, process optimization, planning, design, permitting, and technical support of various plant works. Designed improvements included: lime kiln improvements and support systems with electrical switchgear building; a 50 mgd 2,250 hp engine driven high service pump replacement; 2.7 miles of 36-inch water main with significant trenchless crossing of railroad and canals; and preliminary design and routing analysis of over 60,000 linear feet of 12 to 54-inch water main.</p>			

<b>d. (1) TITLE AND LOCATION (City and State)</b> <b>Rehabilitation of Flash Mix at George T. Lohmeyer (GTL) Wastewater Treatment Plant, City of Ft. Lauderdale, FL</b>	<b>(2) YEAR COMPLETED</b> PROFESSIONAL SERVICES: Ongoing CONSTRUCTION (if applicable): Est. 2023	
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Project manager.</b> Project manager and technical lead for the rehabilitation of failing chlorine contact mix tanks at the 43mgd GTL WWTP. The concrete structure combined flows from all 12 clarifiers and provided chlorine contact mixing prior to discharge. The concrete was severely corroded and experienced previous failures. Through a needs assessment and options development an alternative approach was developed and currently being implemented that eliminates the need for the structure, reduces costs and maintains operation throughout construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Assessment of the East Central Regional Water Reclamation Facility, Florida Power &amp; Light, West Palm Beach, FL.</b>	<b>(2) YEAR COMPLETED</b> PROFESSIONAL SERVICES: 2017 CONSTRUCTION (if applicable): N/A	
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Project Manager and Technical Lead.</b> For the condition and operation assessment of the 70 mgd East Central Regional Water Reclamation Facility and 30 mgd tertiary filtration facility that supplies reclaimed water to Florida Power & Light (FPL). The focus of the work was near term restoration of water quality to meet obligations to FPL. The review also included process, operational, maintenance, asset management and capital improvement financing to ensure future water quality will be maintained. The completed work targeted key areas to improve process reliability in a cost effective and timely manner	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Wastewater Systems Priority Projects Program, Miami-Dade Water and Sewer Department, Miami, FL.</b>	<b>(2) YEAR COMPLETED</b> PROFESSIONAL SERVICES: Ongoing CONSTRUCTION (if applicable): Ongoing	
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Technical Advisor and Task Lead.</b> Responsible for programmatic oversight of the engineering efforts related to the wastewater treatment plants portion of compliance with an EPA/FDEP-issued consent decree. Work entailed rehabilitation, renewal and process improvements at all three treatment facilities (North, South, and Central District WWTPs with combined capacities over 300 mgd). Consent decree compliance projects included liquid process, biosolids and biogas improvements implemented within a specified compliance timeline.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>San Antonio Water System (SAWS) Sanitary Sewer Overflow (SSO) Reduction Program, San Antonio, TX.</b>	<b>(2) YEAR COMPLETED</b> PROFESSIONAL SERVICES: 2018 CONSTRUCTION (if applicable): N/A	
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Task Lead for Capacity Monitoring Plan and Inflow Reduction Plan</b> associated with the \$1 billion SSO Reduction Program as required by an EPA issued Consent Decree. Work included program management to meet all compliance requirements, including extensive condition and capacity assessment of the existing system, developing performance measurement, risk management, and CIP project definitions. The Capacity Monitoring Plan defined the approach and methodology for determining Consent Decree capacity compliance or reprioritization of identified constraints. The Inflow Reduction Plan outlined an approach to mitigating various capacity constraints through the reduction in wet weather inflow, which eliminated more costly capital projects for capacity improvement.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Master Pump Stations Rehabilitation Contract, Palm Beach County Water Utilities Department, West Palm Beach, FL</b>	<b>(2) YEAR COMPLETED</b> PROFESSIONAL SERVICES: Ongoing CONSTRUCTION (if applicable): Ongoing	
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Project Manager and Technical Lead.</b> Provided comprehensive assessment, planning, engineering and construction administration for the upgrade, repair, rehabilitation, reconfiguration and replacement of ten of the largest wastewater pump stations owned by Palm Beach County Water Utilities Department. Work encompasses a wide range of pump station types including submersible, dry well / wet well, vacuum type and inline booster. Horsepower of pumps ranged from 85 to 1,000hp with a wide range of needs being addressed across the facilities. In some instances due to the urgency of work emergency modifications were performed with the team accelerating aspects of design and working directly with the contractor.	<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>David Wilcox, PE</b>	<b>QA/QC Officer</b>	a. TOTAL <b>40</b>	b. WITH CURRENT FIRM <b>31</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Tampa, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MS, Civil Engineering BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>David has 40 years of experience in the design and construction of water, wastewater, and reclaimed water facilities. David has been responsible for the design of numerous pumping systems with maximum firm capacities up to 45-mgd and motor sizes up to 350 hp, and he has design-build experience and has worked on numerous HDD crossings.</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Clearwater, Pump Station Repair Program, Clearwater, FL</b>		PROFESSIONAL SERVICES <b>2018</b>	CONSTRUCTION (if applicable) <b>2018</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project manager. Rehabilitation of six wastewater pump stations ranging in capacity from 100-gpm to 1200-gpm. Designs included structure repair to the wetwells, replacements of pumps, piping and valves and replacement of the electrical control panels. Hydraulic modeling was performed to confirm pump sizing.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Clearwater, Reclaimed Water System Expansion, Clearwater, FL</b>		PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (if applicable) <b>2018</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Reviewer. Provide technical review of hydraulic system modeling and construction documents for the installation of over 200,000 lf of reclaimed water distribution piping. Hydraulic modeling was performed to confirm piping sizes in order to maintain system pressures. The construction documents were developed based installing the proposed pipelines by horizontal directional drill.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of St. Petersburg, NWWRF Filter Expansion, St. Petersburg, FL</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (if applicable) <b>2018</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Reviewer. Provide technical review of Basis of Design Report, hydraulic modeling and construction documents for the installation of 20 mgd of new tertiary disk filters. The BoDR evaluated filter alternatives. Hydraulic modeling confirmed that the selected filters could be installed within the existing hydraulic profile of the treatment facility. The construction documents included a detailed construction phasing schedule developed to maintain system operation during construction.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>South Bermuda WRF Expansion</b>		PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (if applicable) <b>2018</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Reviewer. Provided technical review of process calculations and construction documents for the expansion of the existing 16 mgd facility to 21 mgd. The work included modification and upgrades to the existing aeration basins and blowers and existing filters plus improvements to the yard piping.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Collier County, Master Plan Pump Station 306 Wastewater Basin Analyses Program, Collier County, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical advisor. Basin-wide analysis of 27 pump stations and 3 master pump stations. Preparation of construction documents for the rehabilitation and upgrading of 27 pump stations and 2 master pump stations and the construction of a new 17-mgd master pump station serving the entire basin.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME				13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
<b>Brian D. Stitt, P.Eng., DBIA</b>				<b>Wastewater Treatment</b>		a. TOTAL  28	b. WITH CURRENT FIRM  19
15. FIRM NAME AND LOCATION (City and State)							
AECOM Technical Services, Inc. (Fort Lauderdale, FL)							
16. EDUCATION (Degree and Specialization)				17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)			
MS, Environmental Management BS, Civil Engineering				Professional Engineer – Manitoba; British Columbia			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)							
Brian is a senior project manager with nearly 30 years of engineering and construction experience. Having led a team on the \$101 million Town of Davie WWTP and WTP Design-Build project and its \$5 million reuse project, Brian's expertise is unprecedented in Florida.							
19. RELEVANT PROJECTS							
a. (1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED			
<b>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, Miami, FL</b>				PROFESSIONAL SERVICES  Ongoing	CONSTRUCTION (if applicable)  Ongoing		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				<input checked="" type="checkbox"/> Check if project performed with current firm			
<b>Task Manager.</b> Program management responsible for the design, procurement and construction of approximately \$900,000,000 of improvements and upgrades to the County's three WWTPs with a total treatment capacity in excess of 350-MGD average day flow. Brian is responsible for the management and oversight of 82 projects which includes the development of design-build RFP's for three separate projects with a combined value of more than \$250,000,000.							
b. (1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED			
<b>Town of Davie, New WTP and WWTP Progressive Design-Build, Davie, FL</b>				PROFESSIONAL SERVICES  2014	CONSTRUCTION (if applicable)  2014		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				<input checked="" type="checkbox"/> Check if project performed with current firm			
<b>Project Manager.</b> Led the planning, design and construction of a LPRO Water Treatment Facility and MBR Water Reclamation Facility and Reuse Program. Project entailed numerous site acquisitions for the main plant, 4 remote well sites and pipelines; permitting for all aspects of the projects; planning, design and construction of treatment facilities, supporting collection and distribution networks, two UIC deep injection wells and a new utilities administration office; planning, design and implementation of a reuse program.							
c. (1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED			
<b>Town of Davie, Water Reuse Program, Davie, FL</b>				PROFESSIONAL SERVICES  2014	CONSTRUCTION (if applicable)  2014		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				<input checked="" type="checkbox"/> Check if project performed with current firm			
<b>Project Manager.</b> Responsible for the planning, design and construction of a Water Reclamation and Reuse Program. Oversaw the planning reports including the identification of customers and flows, negotiation with customers for bulk use agreements, design and construction of pumping and distribution network.							
d. (1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED			
<b>Miami-Dade Water and Sewer Department, Biosolids Facilities Plan for Central District WWTP, Miami, FL</b>				PROFESSIONAL SERVICES  2016	CONSTRUCTION (if applicable)  N/A		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				<input checked="" type="checkbox"/> Check if project performed with current firm			
<b>Project Manager.</b> Responsible for the development of a facilities plan for biosolids management at the 143 MGD Central District WWTP. Work consisted of evaluating digestion alternatives and ultimately recommending process and mechanical upgrades for improving digester performance.							
e. (1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED			
<b>City of Hollywood, Professional Continuing Services: Various Pump/ Lift Stations Conversion Program, Hollywood, FL</b>				PROFESSIONAL SERVICES  2020	CONSTRUCTION (if applicable)  2020		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				<input checked="" type="checkbox"/> Check if project performed with current firm			
<b>Project Manager</b> for the upgrade and refurbishment of multiple pump stations in the City. These stations are mostly duplex submersible pumps and generally range in capacity from 0.5 to 2 MGD. The work entails condition assessment, complete refurbishment including site/ civil, structural rehabilitation, and replacement of all mechanical process, electrical and SCADA/I&C equipment.							

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
<b>Chris Hill, PE, BCEE, ENV SP</b>	Drinking Water Treatment	29	1

15. FIRM NAME AND LOCATION (City and State)

AECOM Technical Services, Inc. (Tampa, Florida)

16. EDUCATION

BS, Chemical Engineering, Ohio University  
BA, Business Administration/Management, Ohio University

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL #66933; OH, TX  
Board Certified Env. Engineer  
Envision Sustainability Professional (ENV SP)

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

Chris brings 29 years of experience in water supply and treatment planning, preliminary and detailed design, cost estimating and construction management of water treatment facilities, including more than 20 years of complex, multi-disciplinary project management.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Distribution System Water Quality Audit, Hillsborough County, FL</b>	2017	N/A

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☐ Check if project performed with current firm

**Project Manager.** Responsible for a Distribution Water Quality Audit based on the American Water Works Association (AWWA) Partnership for Safe Water Distribution System Optimization process was utilized to evaluate the County's distribution system operations and maintenance procedures and identify opportunities to improve system operation and enhance water quality. The evaluation included a comprehensive evaluation of total organic carbon (TOC) removal alternatives to enhance water quality and improve disinfectant residual maintenance as an alternative to flushing.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Water Distribution System Optimization Program, City of Flint Michigan, Flint, MI</b>	2018	N/A

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☐ Check if project performed with current firm

**Project Manager.** Responsible for effort to evaluate City's water distribution system operation and corrosion control programs and develop a Water Distribution System Optimization Program. Responsibilities included review of water quality monitoring and system operation and maintenance practices, review of corrosion control program, pipe loop testing, implementation of an asset management program, development of 20-year CIP, and staff training program.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>TOC Treatment Alternatives Evaluation, City of Edgewater, Edgewater, FL</b>	2020	N/A

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Manager.** Responsible for evaluation of treatment alternatives to remove total organic carbon (TOC) and improve water quality in the City's distribution system. Project goals include achievement of TOC reduction, 4-log virus inactivation, improved color removal, and consideration of switching from chloramine to free chlorine for secondary disinfection. Evaluated chlorine dioxide, nanofiltration, granular activated carbon (GAC) and ion exchange at desktop level. Based on results of evaluation, GAC and ion exchange will be pilot-tested in an effort to determine the most economical solution to the City's water quality challenges.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Distribution System Operations and Unidirectional Flushing Program, City of St. Petersburg, FL</b>	2002	N/A

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☐ Check if project performed with current firm

**Project Engineer** responsible for review and preparation of revised distribution system operations and maintenance (O&M) manual to prepare for conversion from free chlorine to chloramines for secondary disinfection. Assisted in chloramine implementation including field flushing assistance of a unidirectional flushing program which intended to remove system biofilms and sediments with the intent of improving chloramine residual stability.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
<b>Bill Snow, PE</b>	<b>Membrane Treatment</b>	<b>51</b>	<b>15</b>

15. FIRM NAME AND LOCATION (City and State)

AECOM Technical Services, Inc., Fort Lauderdale, Florida

16. EDUCATION

BS, Engineering, Vanderbilt University

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL #42757

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

Bill has significant knowledge and experience in the field of membrane and water treatment, water supply, wastewater treatment, pump stations and utility operations with both private and municipal clients. Expertise includes ion exchange, reverse osmosis plants, membrane softening plants, pump stations, membrane biological reactor for wastewater treatment, 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.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>City of Hialeah Design Build Reverse Osmosis Water Treatment Plant, Hialeah, FL</b>	<b>Ongoing</b>	<b>Ongoing</b>

(3) 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.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>West NF and RO Water Treatment Plant Assessment, Miramar, FL</b>	<b>Ongoing</b>	<b>N/A</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

The plant consists of 5 NF skids one RO skid for a total plant capacity of 17.4 MGD. Project manager for the project that consisted of evaluating the plant hydraulics and pumping systems, noise levels in the plant, RO cleaning system, increase overall plant recovery, evaluate raw water bypass blending, chemical systems and desgasifiers

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Town of Davie Design Build Reverse Osmosis Water Treatment Plant</b>	<b>2014-2015</b>	<b>2015</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Process start up engineer** for the 8.0 MGD Reverse Osmosis plant and chemical feed systems including acid, corrosion inhibitor, antiscalant, chlorine disinfection, degasifier system and post treatment system using CO2 and Lime mineralization system. Water Plant certification Engineer of Record

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>City of Lake Worth Reverse Osmosis Plant Acid Dilution System</b>	<b>2017</b>	<b>2018</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Lead design engineer** to replace the full-strength sulfuric acid system with an acid dilution system. Included the design of an acid dilution panel for pre and post acid injection to the units, booster feed pumps, special piping and a new 20-inch stainless steel static mixer and injection quill.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Miami-Dade Water and Sewer Department, Hialeah Water Treatment Plant, Hialeah, FL</b>	<b>2017</b>	<b>2022</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Senior design engineer** for 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	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
<b>Sheldon Barnes, PE</b>	<b>Process Mechanical</b>	<b>16</b>	<b>16</b>

15. FIRM NAME AND LOCATION (City and State)

**AECOM Technical Services, Inc., Fort Lauderdale, Florida**

16. EDUCATION

**BS, Mechanical Engineering**

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

**Professional Engineer - FL**

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

Mr. Barnes is a mechanical engineer with experience in the design and construction of water and wastewater treatment facilities, pumping stations and rehabilitation of various facilities. He brings extensive experience in evaluating existing conditions, site planning, and designing upgrades and conversions of existing, aging facilities, which was enhanced by participating in Miami Dade's Consent Decree Program, the City of Hollywood's Lift Station Conversion and Upgrade Programs, and the design of the West Hollywood Pumping and Storage facility.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, Miami, FL</b>	<b>Ongoing</b>	<b>Ongoing</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Senior Technical Advisor.** Design management of the wastewater collection and transmission system. Provided technical direction, review, analysis and recommendation on the design of over 30 regional, booster and local pump stations.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>City of Hollywood, Professional Continuing Services: Various Pump/Lift Station Conversion, Hollywood, FL</b>	<b>2017</b>	<b>2020</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Engineer.** Responsible for providing design and project engineering services in upgrading the hydraulic capacity of 18 wastewater lift stations, which included converting 17 of the stations from can-type to submersible.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Town of Davie, New WTP and WWTP Progressive Design-Build, Davie, FL</b>	<b>2014</b>	<b>2016</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with 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. Provided engineering oversight, which included the review of shop drawings submittals, and created Commissioning Plan, coordinated commissioning schedule and assisted the management of commissioning activities of both facilities.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Miami-Dade County, Hialeah Water Treatment Plant I Miami Springs Wellfield Rehabilitation, Hialeah, FL</b>	<b>2016</b>	<b>N/A</b>

(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.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Collier County, Wastewater Basin Analyses Program, Naples, FL</b>	<b>2018</b>	<b>Ongoing</b>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Team Member.** Provided the preliminary design of a wastewater master booster station with the operational flexibility of producing capacities of 4,400 gpm with electric pumps and 11,000 gpm via diesel engine-driven pumps.

## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
<b>Erik Alcantara, PE, PMP, ENV SP</b>	Stormwater	8	1

### 15. FIRM NAME AND LOCATION (City and State)

AECOM Technical Services, Inc., Fort Lauderdale, Florida

### 16. EDUCATION

ME, Civil Engineering (Ongoing)  
BS, Civil Engineering

### 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer (FL), Project Management  
Professional, and Envision Sustainability Professional

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

Mr. Alcantara is a results-driven and highly motivated team leader with extensive technical and management experience in the civil engineering & construction industry. He has a proven track record of leading and executing large-scale water resources projects in the South Florida Tri-County Area. His top areas of expertise include the following: predictive and agile project management, stormwater management, construction management, Envision sustainability rating system, design-build projects, cost control/estimating, and Critical Path Method (CPM) scheduling.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>West Avenue Neighborhood Improvements – North of 14<sup>th</sup> Street &amp; South of 14<sup>th</sup> Street (City of Miami Beach, FL)</b>	2021	N/A

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☐ Check if project performed with current firm

The \$105M West Avenue North of 14<sup>th</sup> Street and South of 14<sup>th</sup> Street design-build projects are integral in the City of Miami Beach's ongoing resiliency improvements to address sea level rise. Erik served as Deputy Project Manager and Lead Design Engineer for the drainage design, which included RCP drainage pipes between 24 and 96 inches in diameter. Additionally, a new 120,000 GPM master stormwater pump station, including water quality treatment units and a specialized dissipator discharge structure, was designed on the 1671 West Avenue parking lot.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Village of Key Biscayne – Stormwater Program Initial Public Engagement, Village of Key Biscayne, Florida</b>	Ongoing	N/A

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

As Project Manager, Mr. Alcantara led the public engagement effort to establish the Village of Key Biscayne Stormwater Program level of service parameters. As a result of this task, the Village Council approved AECOM's recommendations for level of service, design storm, and sea-level rise projection on February 8, 2022.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>City of Miami Beach Stormwater Needs Analysis (HB 53), City of Miami Beach, Florida</b>	Ongoing	N/A

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

As Project Manager, Mr. Alcantara collaborated with the City of Miami Beach to prepare its 20-year Stormwater Needs Analysis Report.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>South Florida Water Management District – Stormwater Treatment Area (STA) 1W Expansion #2, Palm Beach County, Florida</b>	2020	Ongoing

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

As Project Engineer, Mr. Alcantara assisted with field inspections and the review of contractor submittals and RFIs to support the SFWMD Stormwater Treatment Area (STA) 1W Expansion Project.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>North St. Lucie River Water Control District, Permits Review, St. Lucie County, Florida</b>	Ongoing	N/A

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Stormwater permit reviewer for the 65,000-acre NSLRWCD, which is a special taxing (Chapter 198) district within the state of Florida. In this role, Mr. Alcantara reviewed stormwater permit applications for land development projects within the district.



## E. RESUMES OF PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
<b>Gustavo Silva, PE, ENV SP</b>	Civil and Pipelines	9	1

15. FIRM NAME AND LOCATION (City and State)

AECOM Technical Services, Inc., Fort Lauderdale, Florida

16. EDUCATION

BS, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer – FL,  
Envision Sustainability Professional

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

Mr. Silva is a civil engineer senior project manager with design and construction experience on gravity, pressures systems, pump stations, land development and geotechnical. He has experience on complex projects that require extensive planning effort and stakeholder engagement/coordination.

19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>West Avenue Neighborhood Improvements – North of 14<sup>th</sup> Street &amp; South of 14<sup>th</sup> Street (City of Miami Beach, FL</b>	Ongoing	Ongoing

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☐ Check if project performed with current firm

As **Project Manager**, Mr. Silva developed schedules, managed subconsultants (transportation, landscaping, coastal engineering, surveying, structural, electrical, and geotechnical) and in-house engineering staff. Lead engineer for overall design including QA/QC review of subconsultants and in-house design. Lead designer of the sanitary sewer system, stormwater pump station, drainage wells, and water transmission/distribution system.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>MDWASD Pump Station Improvement Program</b>	2021	Ongoing

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Manager and Designer** of more than 20 pump stations that were considered outdated and out of compliance with regulatory agencies. My responsibilities evolved from staff engineer to engineer of record. The general task to complete a design requires surveying, geotechnical, environmental studies, civil site layout, hydraulics analysis, structural/electrical design, utility coordination, and relocation. In general, the pump station contains a wet well, valve vault, electrical panels, SCADA, discharge piping, generator, grading, landscaping, micro tunneling (36-inch force main) and stormwater system.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>D/B Replacement of Water Main &amp; Service Conversions in "Donut Hole" Area</b>	2019	2021

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Manager** of 2,500 linear feet of 12-inch water main along state road 860 and state road 441. The project was an accelerated design-build to relocate the water main services lines/meters from the rear of the properties to the front for maintenance. I was responsible for coordinating with the design team, contractor, and County to permit water main along FDOT roadway. The project was built and certified.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Culvert Project Construction Inspection and Material Testing (SFWMMD)</b>	2021	2021

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Supervised the replacement/removal of outdated culverts owned by South Florida Water Management District, located on Palm Beach County, Broward County, Miami-Dade County, and Okeechobee County.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>D/B Water Main Replacement &amp; Service Connection in Shenandoah Area</b>	2017	2019

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Engineer** of water mains ranging from 6-inch to 8-inch with service lines along a residential community. The project included replacement of 46,000 linear feet of ductile and documentation for plumbing permits.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Erica Harris</b>	<b>Coastal</b>	a. TOTAL <b>10</b>	b. WITH CURRENT FIRM <b>9</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Tampa, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MS, Oceanography, Oregon State University BS, GIS and Spatial Analysis, The Ohio State University</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Envision Sustainability Professional (ENV SP) Waterfront Edge Design Guidelines Associate (WEDG)</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <p>Erica is a coastal and climate scientist specializing the influence of an evolving climate on exacerbating hazard impacts. Her skillset reflects a blend of science, engineering, policy, and GIS through involvement on collaborative projects focused on understanding and adapting to existing and future climate conditions. She has worked on numerous multi-agency projects focused on providing decision-makers with locally-relevant information and tools to enhance sea level rise and climate resilience while maximizing co-benefits in the environmental, economic, and social sectors where possible.</p>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Climate Change Vulnerability Assessment and Adaptation Plan, Naples, FL</b>		PROFESSIONAL SERVICES <b>2019-present</b>	CONSTRUCTION (If applicable) <b>NA</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>Project technical lead conducting a city-wide vulnerability assessment of public assets at risk to a suite of climate stressors (sea level rise, coastal storms, extreme heat, and precipitation). Key vulnerabilities identified are being used to inform the development of an adaptation plan to increase the long-term resilience of the city's built and natural infrastructure.</p>			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Beach Flood Mitigation &amp; Resilience Study, Miami Beach, FL</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable) <b>NA</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>Lead contributor to the climate change technical memorandum, reviewing and documenting the climate stressors and shocks affecting Miami Beach. In response to sea level rise and increasing flooding, this document will be used to inform city-wide strategies are being evaluated to mitigate flooding of public and private property. Strategies include policy changes for new construction and major renovations, specifically in the minimum building first floor elevations requirements.</p>			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Southeast Florida Business Case of Resilience, Multiple Counties, FL</b>		PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>NA</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>Coastal and climate scientist contributing to an economic evaluation of flood risk and exposure of Southeast Florida communities. On this project, Erica was the technical lead for selection of sea level rise and water level scenarios serving as the basis for the economic analysis. Erica also led the development of adaptation actions that were evaluated for their economic benefit of providing regional flood protection against future conditions.</p>			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Port Miami Coastal Hazards Vulnerability Assessment and Adaptation Plan, Miami, FL</b>		PROFESSIONAL SERVICES <b>2021-present</b>	CONSTRUCTION (If applicable) <b>NA</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>Technical lead developing a sea level rise vulnerability assessment and adaptation plan to increase flood resilience of port assets and operations. The project will identify key vulnerabilities of port infrastructure through the coming century and culminate with an adaptation plan and design guidance to incorporate sea level rise and coastal storm considerations into the design of individual projects.</p>			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>John M. Carel, PE</b>	<b>Seawalls</b>	TOTAL 49	b. WITH CURRENT FIRM 26
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Myers, FL)</b>			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
MS/1972/Civil Engineering, Michigan State University BS/1971/Civil Engineering (cum laude), Michigan State Univ		PE/2011/MA #49086 PE/2010/FL #71844 PE/1978/NJ #24804 PE/1980/NY, #57347 PE/1987/SC #11885	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>American Society of Civil Engineers (ASCE)</b>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Port Manatee Berth Engineering, Palmetto, FL</b>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead engineer for Reconstruction of Berth 9 and Berths 4, 5, 12 and 14 Cathodic Protection including new steel combi-wall oversheeting to address deteriorated steel cellular cofferdam wharf. The new wall will also allow for the future deepening of the slip when the main channel is deepened. The wall will be anchored by using tie rods, secured to a transfer beam supported on the back wall of the cofferdams and held laterally with soil anchors. The project includes new fendering, mooring fittings, ship's utility stations, concrete, and asphalt pavement to support mobile harbor cranes, forklifts, and dockside equipment) and a drainage system. Lead Contract documents preparation efforts (plans, bid and technical specifications and cost estimates).		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Port of Palm Beach, Berth 17, Riviera Beach, FL</b>		PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Marine Task Leader for conceptual and final design of new slip. The inboard end of the slip will be excavated from the existing upland and include new secant and king pile walls. Since the slip is within 10 feet of the property line, challenges include the requirements for a 35-foot high bulkhead wall without tiebacks into adjacent property. The slip extension into the waterway includes pile supported breasting and mooring dolphins. Prepared Contract Drawings and Project Manual.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>US Army Corp of Engineers, Echo Pier Restoration, Kwajalein Atoll, Marshall Islands</b>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Marine Engineer responsible for Project QC Reviews for the pier rehabilitation. Marine elements included partial new sheet pile encapsulation and filling of pile supported areas of existing pier platforms, replacement tie rods, replacement of deteriorated concrete bulkhead pile caps and new pier deck pavement. Challenges included lack of information on interior concrete masonry walls built by Japanese pre-WWII. Participated internal VE study which resulted in savings of approximately \$ 1M by switching design from a king pile system and conventional backfill to a Z-pile bulkhead and lightweight backfill.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Port of Palm Beach District, Reconstruction of Slip 3, Riviera Beach, FL</b>		PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead structural Engineer for widening of the slip and replacement steel sheet pile bulkheads. Challenges included sequencing for installation of new king pile bulkhead behind an existing anchored sheet pile bulkhead. The project also includes new fenders, mooring fittings, a Ro-Ro Ramp and dockside utilities and demolition of existing north bulkhead after new wall was constructed.		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME		12. NAME	
<b>Robert J. Eustice III, PE</b>		<b>Hydrology and Hydraulic Engineering</b>	
		a. TOTAL	b. WITH CURRENT FIRM
		8	7
15. FIRM NAME AND LOCATION (City and State)			
AECOM (West Palm Beach, FL)			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
MS, Civil Engineering BS, Civil Engineering		Professional Engineer: FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
Robert is experienced in a variety of water resources projects, including flood reduction studies, stormwater master plan studies, permitting, and urban drainage evaluations. He has performed H&H modeling using AdiCPR, Civil 3D Hydraflow, and EPA-SWMM. Along with his modeling experience, he is proficient in ArcGIS and AutoCAD where he has used those tools to aggregate data for land use and stage storage calculations.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Miami Beach, Flood Mitigation Consulting Services, Miami Beach, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2019	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project engineer.</b> Stormwater master plan update for the entire City of Miami Beach including development of new existing conditions and a review of proposed flood control measures. Performed basin studies, including ICPR modeling, proposed improvements and basis of design reports. Updated existing conditions EPA-SWMM hydrologic and hydraulic model. Included conceptual layout and design of stormwater management and pollution prevention systems to reduce flooding impacts due to existing system deficiencies and projected sea level rise in accordance with the recommendations of the Southeast Regional Climate Change guidance.</p>			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Miramar, Historic Miramar Infrastructure Improvements Phase 3, Miramar, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2017	2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project engineer.</b> Prepared and analyzed a 236-acre local neighbourhood. Developed a detailed model to determine the predevelopment and post development conditions of constructing a stormwater system that utilized exfiltration trenches as its primary source of discharge. Land use and stage storage calculations were developed utilizing ArcGIS.</p>			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Boynton Beach, NE 20th Avenue Drainage Improvement Project, Boynton Beach, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2017	2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project engineer.</b> Assisted in the design of the drainage improvement within a 24-acre historic community within Boynton Beach. The project consisted of approximately 1,744 LF of exfiltration trench, 3,243 LF of swale excavation, minor sewer and water line relocation, and ancillary restoration of the right-of-way. Designed, permitted, and is conducting the construction inspection services for the project.</p>			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>South Indian River Water Control District, Palm Beach County, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2020	2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project engineer.</b> Assisted with reviews and resolved board of supervisors and landowners issues for general consulting and permitting. Landowner issues included, but are not limited to alternative pavement surfaces, applying open-graded emulsion mix (OGEM) to existing dirt roadways, swales to trails, and potable water distribution. Developed plans of improvements and engineer's reports based on homeowner initiatives and District needs. Produce contracts in obtaining Natural Resource Conservation Service funding for hurricane relief including debris removal, rip rap and concrete revetment installation, and culvert replacement.</p>			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>SOF Boat Dock, Key West, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2017	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Project engineer.</b> Designed, prepare calculations, and permitted for a military base expansion project. Design included two lift stations, detention pond, and boat wash within the base. Prepared specification based on NAVFAC standards. Addition permitting was done for in water work being done to expand a boat basin and provide safety to users.</p>			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Roger Williams, PE</b>	<b>Pipelines, Trenchless and Rehabilitation</b>	a. TOTAL <b>20</b>	b. WITH CURRENT FIRM <b>16</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Coral Gables, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MS, Environmental Engineering BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Mr. Williams' expertise has included numerous installation methods such as the traditional open cut methods and trenchless installations such as Horizontal Directional Drill (HDD), Micro-tunneling (MT) with casings, and Tunnel Boring Machine (TBM) tunnels with precast concrete segmental liners. Mr. Williams is versed in the application of various pipe materials including DI, HDPE, PVC, PCCP, RCP, and FRMP materials of construction. Mr. Williams is a member of the AWWA Technical Standards Committee for Concrete Pipe Products and Gasket Materials.</b>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade Water and Sewer Department, 72-inch PCCP Redundant Main at Preston WTP, Miami FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (if applicable) <b>2022</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager for the design and construction of 1200 of 72-inch PCECP main along West 2nd Ave, between 11th and 13th Streets, and the associated water, sewer, and drainage relocations. The project entailed 4 complex interconnections to an existing active Interpace-era pipe with provisions for mitigating risks and contingency plans.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade Water and Sewer Department, Miami Avenue 48-inch FM</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (if applicable) <b>2019</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Design Build Engineering Manager for 13,000 lf of 48-inch PCECP FM, 5,000 lf of 12-inch WM Improvements, 1000 lf of 24-inch drainage, and 72-inch Jack and bore crossing. Responsible for all utility design, MOT, permitting, and construction management for the accelerated project involving City of Miami, FDOT, MD-PWD and the stakeholders.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade Water and Sewer Department, 48-inch Downtown Water Main Loop, Miami, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (if applicable) <b>2019</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Task Manager and Technical Lead for the detailed design and Design Criteria for three (3) Microtunnel crossings consisting of a 72-inch steel casing and 48-inch DI carrier pipeline. Lead the efforts including alignment studies, staging plans, establishing contract work areas, and development of the Geotechnical Baseline Report.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade Water and Sewer Department, DB Criteria Package for the Replacement of the 54-inch FM and 20-inch WM, Miami, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2011</b>	CONSTRUCTION (if applicable) <b>2011</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager and Design Criteria Engineer of Record for developing the design-build criteria package for the replacement of the 54-inch-diameter FM that extends from Miami Beach to the Central District WWTP, and the 20-inch-diameter WM between Port Island and Fisher Island. Project entailed development of design criteria, technical specifications, geotechnical baseline report, engineering drawings and environmental resource permits for 5300 linear ft of 9-foot diameter tunnel with pre-cast concrete segmental liners, under Norris Cut; and 900 linear feet of 60-inch Micro-tunnel with steel casing, under Fisherman's Channel; and 1200 linear feet of 72-inch micro-tunnel with casing, under Government Cut Channel; 1000 linear feet of 8-inch Horizontal Directional Drill on Fisher Island, and 2700 linear feet of 60-inch open cut installation on Virginia Key.</b>			
e. (1) TITLE AND LOCATION (City and State) <b>DB Criteria and CM Services for the Installation of 54-inch Redundant Force Main on Washington and Euclid Streets, Miami Beach, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (if applicable) <b>2019</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager/ Construction Manager for the development of design criteria, technical specifications, 30% design drawings and overall construction management for the installation of 4600 linear feet of 54-inch Redundant Force Main by microtunneling (pipe jacking) using a minimum of three (3) shafts, and 700 linear feet of 54-inch open cut installation. The projects were subsequently value engineered to a 3300 linear foot 54-inch outside diameter HDD which is a record drilling effort in the SE United States.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Vaughn Hayduk, PE</b>	<b>Lift Stations</b>	a. TOTAL <b>8</b>	b. WITH CURRENT FIRM <b>1</b>

15. FIRM NAME AND LOCATION (City and State)	
AECOM (West Palm Beach, FL)	
16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BS, Civil Engineering MEng, Civil Engineering	Professional Engineer – FL
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)	
Vaughn is a Project Engineer in AECOM's water practice in West Palm Beach, Florida. She has served as a professional engineer in the design and management of municipal engineering projects, including water and sewer conveyance, collection systems, hydraulic modeling of water and sewer systems, production wells, and condition assessment and rehabilitation.	

**19. RELEVANT PROJECTS**

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Palm Beach County Water Utilities Department Master Lift Station 5133 Conversion to Repump</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Deputy Project Manager</b> responsible for the design, permitting and bidding of the replacement of a submersible master lift station with an in-line booster station. Managing a team of five subconsultants. Construction cost estimated at \$4M.		
<b>Palm Beach County Water Utilities Department Master Lift Station 5015 Conversion to Repump</b>	<b>Ongoing</b>	<b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Deputy Project Manager</b> responsible for the design, permitting and bidding of the replacement of a submersible master lift station with an in-line booster station. Managing a team of five subconsultants.		
<b>Indian River County Utilities Wells S-7, S-4, and Oslo Wellfield Rehabilitation, Indian River County, FL</b>	<b>Ongoing</b>	<b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer</b> responsible for designing two new surficial wells and rehabilitating five additional surficial wells. Led design team and managed construction phase services. Permitted and cleared all wells through PBC Health Department.		
<b>Palm Beach County Water Utilities Department Improvements to Lift Stations 5229, 5236, and 5241</b>	<b>Ongoing</b>	<b>Ongoing</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Deputy Project Manager</b> responsible for conducting condition assessment studies on three master lift stations and evaluating options for rehabilitation and improvement.		
<b>Palm Beach Park of Commerce, General Utility Services, Palm Beach County, FL</b>	<b>2021</b>	<b>2021</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer</b> responsible for creating a hydraulic model of the Park's water distribution system to analyze capacity and available fire flow and recommend infrastructure improvements as necessary. Evaluated Park's sewer system and recommended lift station and infrastructure improvements.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Reshma Thummadi, PE</b>	<b>Hydraulic Modeling</b>	a. TOTAL <b>10</b>	b. WITH CURRENT FIRM <b>10</b>
15. FIRM NAME AND LOCATION (City and State)			
<b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
<b>MS, Environmental Engineering</b>		<b>Professional Engineer – FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
<p>Ms. Thummadi specializes in water and wastewater engineering projects. She has served numerous municipal clients in Florida and is proficient in utility planning, treatment facility design, and distribution / collection system hydraulic modeling. She has hands on experience working with software programs including ArcView GIS and hydraulic modeling using Bentley's WaterGEMS and SewerGEMS, and Innovyze InfoWater and InfoWorks.</p>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, Miami, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Hydraulic modeler.</b> Developed hydraulic models for potential unsewered basins in the County and evaluated the proposed infrastructure required to add the unsewered areas to the WASD existing wastewater system and also evaluated the WASD existing infrastructure including gravity network, forcemains, and pump stations for capacity requirements to extend sewer service to identified areas. The analysis was performed using Innovyze InfoWorks that allows simulation of gravity and pressurized flows simultaneously.</p>			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Collier County MPS 306 Wastewater Basin Analyses Program Collier County, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Hydraulic modeler.</b> Developed a hydraulic model in SewerGEMS for manifolded forcemain network of a wastewater master pump station basin for Collier County and performed hydraulic modeling assessment of the pump station to replace existing master pump station with an in-line booster pump station.</p>			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Northeast Service Area Hydraulic Modeling Master Plan Collier County, FL</b>		PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Hydraulic modeler.</b> The master plan evaluated different operating strategies with respect to routing projected wastewater flows from new developments in the NEWWSA of the County to a new water reclamation facility. Scope included construction of a hydraulic model for the NEWWSA, development of alternative operating strategies, and hydraulic modeling analysis using SewerGEMS for proposed alternative strategies.</p>			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Marco Shores Alternative Water and Sewer Improvements Project, Marco Island, FL</b>		PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (If applicable) <b>2016</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Hydraulic modeler.</b> Worked on assessing the feasibility of diverting wastewater flows from the Marco Shores service area to Marco Island WRF via a new master pump station and supply Marco Shores service with water produced from Marco Island WTP. Estimating the potable water demand and wastewater flow projections and analyzing alternative water and sewer improvements required to meet the current and future conditions in the service area.</p>			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Collier County, Public Utilities Master Plan, Collier County, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Hydraulic modeler.</b> Evaluation of population trends and demands, treatment capacity assessments, hydraulic modeling for infrastructure improvements, and evaluation and prioritization of capital improvement projects.</p>			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Erik A. Boyer, PE</b>	<b>Transportation</b>	a. TOTAL <b>16</b>	b. WITH CURRENT FIRM <b>5</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer - FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Erik Boyer has extensive experience in the planning, design, and project management of public transportation facilities since 2005. His design experience includes preparation of roadway design variations and exceptions, technical reports, pavement design, geometric design, drainage analysis, permitting, signing and pavement markings, complex maintenance of traffic, signalization, utility coordination, and construction support.			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State) <b>El Mar Drive from Palm Avenue to Pine Avenue, FDOT District Four, Broward County, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Engineer of Record.</b> Responsible for maintenance of traffic. The project involves providing a 10- foot wide shared use path in the median area, roadway widening, milling and resurfacing, drainage improvements, landscaping, and hardscape enhancements.		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>SR-808/Glades Road at SR-9/I-95 Interchange Improvement, FDOT District Four, Palm Beach County, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Responsible for developing horizontal and vertical geometric design, variations and exceptions, typical sections, and coordination. Project involves roadway widening along SR-808/Glades Road to accommodate physically separated auxiliary lanes for the I-95 onramps including providing a new bridge over Airport Road, as well as bridge widening over Military Trail and I-95.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>SR-814/Atlantic Boulevard from West of SR-5/US-1 to SRA1A/Ocean Drive, FDOT District Four, Broward County, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Responsible for roadway design, typical sections, drainage analysis, signing and pavement markings, maintenance of traffic, and utility coordination. The project involves narrowing the existing divided roadway from six to four lanes, sidewalk reconstruction, milling and resurfacing, signalization, landscaping enhancements, and upgrading all pedestrian features to meet current ADA standards.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>SR-800/Spanish River Boulevard from SR-5/US-1 to SR-A1A/Ocean Drive, FDOT District Four, Palm Beach County, FL.</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Responsible for roadway design, typical sections, pavement design, drainage analysis, signing and pavement markings, maintenance of traffic, and utility coordination. The project involves milling and resurfacing, traffic rail replacement on two bridges, landscaping enhancements, and upgrading all pedestrian features to meet current ADA standards.		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>SR-A1A/Ocean Boulevard from Azalea Street to South of SR-822/Sheridan Street, FDOT District Four, Broward County, FL.</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Responsible for roadway design, typical sections, pavement design, pavement markings, maintenance of traffic, and utility coordination. The "ride only" project involves milling and resurfacing and upgrading all pedestrian features to meet current ADA standards.		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Khalid Motiwala, PE</b>	<b>Structural</b>	a. TOTAL <b>29</b>	b. WITH CURRENT FIRM <b>13</b>

15. FIRM NAME AND LOCATION (City and State)	
<b>AECOM (Orlando, FL)</b>	
16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
<b>BS, Civil Engineering</b>	<b>Professional Engineer – FL, GA, MD</b>
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)	
<p>Khalid specializes in civil and structural engineering projects for the design of water and wastewater treatment facilities, pump stations, box culverts, retaining walls, industrial and manufacturing facilities, as well as assessment of existing infrastructure and facility engineering. As a lead structural engineer, his expertise consists of computer-aided finite element analysis of structures, design of cast-in-place concrete structures for the environmental industry, and design of pre-cast concrete, masonry, timber, and steel structures.</p>	

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Miami-Dade County, John E. Preston Water Treatment Plant Infrastructure and Operations Upgrade, Hialeah, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>2016</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Lead Structural Engineer</b> for the water treatment plant and related infrastructure improvements. Structures include new cast in place concrete sodium hypochlorite storage tanks with interior liner, associated secondary containment structures, and other structures to house mechanical and electrical components.</p>		
b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Polk County, Utilities Master Consulting Agreement Polk County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>2017</b>	<b>2017</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Lead Structural Engineer.</b> Project included a 30-foot-deep biological nutrient removal tank using cast-in-place concrete construction and post-tension baffle and strut supports. Other structures include pretreatment structure, concrete sludge tanks, clarifiers, filters, a chlorine contact tank, and various building structures.</p>		
c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Tampa Electric Company (TECO), Reclaimed Water Treatment Plant and Pump Station, Polk County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>2013</b>	<b>2015</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Lead Structural Engineer.</b> Lead structural engineer for a new water treatment plant and pump station that includes steel Densadeg units on concrete foundation, concrete filters, pre-engineered RO treatment facility, metal centrifuge building, prefab electrical building and other structural components</p>		
d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Orange County, South Water Reclamation Facility Phase V Improvements, Orange County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>2015</b>	<b>2018</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Lead Structural Engineer.</b> This project required retrofit of the influent flow channels of the influent pump station, which exhibited signs of severe corrosion. The roof of the channel was strengthened with steel reinforcement, a high strength trowel mortar mix was applied to build up the channel roof slab and walls, and a polymer lining system applied to the exposed concrete for protection from corrosion.</p>		
e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Leesburg, Canal Street WWTF Improvements Leesburg, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>2009</b>	<b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Lead Structural Engineer.</b> As part of the improvements to the Canal Street WWTF, the Influent Pump Station and the Preliminary Treatment Facility required structural rehabilitation. The roof slab and walls of the IPS structure were severely corroded to the extent that significant section loss in the steel reinforcement was observed. The structure was repaired with a high strength concrete sprayable mortar and new concrete reinforcement steel was added to support loads from the electrical switchgear room above.</p>		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Will Lovins, PhD, PE</b>	<b>Water Quality</b>	a. TOTAL <b>31</b>	b. WITH CURRENT FIRM <b>26</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Orlando, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>PhD, Environmental Engineering MS, Environmental Engineering BS, Environmental Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Dr. Lovins has over 30 years of engineering experience in water quality and treatment serving both municipal and industrial clients. He specializes in potable water quality and treatment and has performed numerous desk-top studies, building inspections, bench, pilot and full-scale evaluations, with many involving corrosion control and compliance with the USEPA Lead and Copper Rule.</b>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State) <b>City of Titusville, Master Planning and Distribution Water Quality Evaluation, Titusville, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Senior engineer responsible for assessing raw, treated and distribution water quality and identifying treatment and O&amp;M practices for improving distribution system water quality to improve chloramine residual stability and nitrification control.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Town of Davie New Water Treatment and Water Reclamation Facility Progressive Design-Build, Davie, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (if applicable) <b>2016</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical Leader 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. Odor abatement was provided by packed tower chemical scrubbers.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>City of Titusville, Department of Water Resources Master Services Agreement, Titusville, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical Manager responsible for assessing raw, treated and distribution water quality and identifying methods for improving finished water quality via plant operating set-points, water quality monitoring, enhanced microbial inactivation for 4-log disinfection, and distribution system O&amp;M.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>Collier County, Professional Services MSA, Collier County, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical Leader responsible for assessing water quality and treatment options in support of the County's capital improvement plan and development of alternative water supply. Tasks included development of water quality goals to ensure compliance with current and future water regulations and meet site specific needs, provide a regulatory compliance update, evaluate water treatment plant and water reclamation plant needs, and development of an implementation plan.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>Seminole County, Department of Environmental Services Master Services Agreement, Seminole County, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical Director responsible for treatment process development for total sulfide and disinfection by-product precursor (TOC and bromide) control. A combination of side stream ozonation and anion exchange resin met the treatment objectives.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Ira Brandell, PE</b>	<b>Electrical Lead</b>	a. TOTAL <b>48</b>	b. WITH CURRENT FIRM <b>41</b>

15. FIRM NAME AND LOCATION (City and State) <b>AECOM (West Palm Beach, FL)</b>	
16. EDUCATION (Degree and Specialization) <b>BS, Electrical Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – FL, AZ, CA, GA, HI, NM</b>

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  
 Ira specializes in the design and evaluation of process electrical power and control systems, emergency generation and lighting systems, and instrumentation for water and wastewater facilities. Ira conducts visual needs assessment of electrical equipment, prepares preliminary design reports, prepares electrical design development reports and basis of design reports for critical infrastructure facilities.

19. RELEVANT PROJECTS		
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>City of Hollywood Professional Continuing Services: Various Pump/Lift Station Conversion Program, Hollywood, FL</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>2020</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <b>Lead Electrical.</b> Provided design for rehabilitation of eleven sewer lift stations to replace the city's existing canned lift stations with submersible pumps. The existing remote terminal units are being reused with updated programmable logic controllers for control. Design was completed for phase 1 and 2 in December 2009; construction of phase 1 and 2 completed in 2010 and 2012. Design of phase 3 completed in December 2010; construction of four station stations completed 2013. Design of two stations completed in 2013, and one station has been constructed. Construction of remaining 4 stations completed in 2019-2020.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>b. (1) TITLE AND LOCATION (City and State)</b> <b>Miami-Dade Water and Sewer Department, Preston WTP Miami, FL</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable) <b>2020</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <b>Lead Electrical.</b> Design of electrical system for a new sodium hypochlorite storage facility, including air compressor for transferring product from a rail car into the storage tanks, and transfer pumps to day tanks at two water treatment plants located adjacent to each other, Preston and Hialeah.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>c. (1) TITLE AND LOCATION (City and State)</b> <b>Miami-Dade Water and Sewer Department, Hialeah WTP Miami, FL</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (If applicable) <b>N/A</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <b>Lead Electrical.</b> Electrical design for replacement of two lime slaker systems.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>d. (1) TITLE AND LOCATION (City and State)</b> <b>Town of Lake Clarke Shores Professional Services, Forest Hill Blvd Area Gravity Sewer, Lake Clarke Shores, FL</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION (If applicable) <b>2016</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <b>Lead Electrical.</b> Prepared electrical design for power and control of new lift station near Town Hall. Power is from Town Hall with gas powered engine generator back-up. Construction was completed in early 2016.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>e. (1) TITLE AND LOCATION (City and State)</b> <b>Miami-Dade Water and Sewer Department, Wastewater Systems Priority Projects Program, Davie, FL</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>
<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small> <b>Lead Electrical.</b> Technical review of electrical design drawings for design build project which includes raw water wells, water treatment facility, and wastewater reclamation facility. Design completed in 2011, plant is now under construction.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE					
<b>William Overbeek, PE</b>	<b>Instrumentation &amp; Controls</b>	a. TOTAL <b>33</b>	b. WITH CURRENT FIRM <b>4</b>				
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Orlando, FL)</b>							
16. EDUCATION (Degree and Specialization) <b>BS, Chemical Engineering BS, Fisheries and Wildlife BS, Forestry</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – FL, GA, AL, LA, MI, MN, SC, TX, VA</b>					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>William "Bill" Overbeek has extensive experience in construction engineering design, telemetry, and SCADA process control and instrumentation. He specializes in process control engineering, especially in water/wastewater treatment applications. His background includes SCADA System design, construction, integration, and start-up, including programming automatic control and monitoring functions in PLC and HMI systems.</b>							
<b>19. RELEVANT PROJECTS</b>							
a. (1) TITLE AND LOCATION (City and State) <b>Collier County Public Utilities Master Plan Collier County, FL</b>		(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFESSIONAL SERVICES</th> <th style="width: 50%;">CONSTRUCTION (if applicable)</th> </tr> <tr> <td style="text-align: center;"><b>2018</b></td> <td style="text-align: center;"><b>N/A</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<b>2018</b>	<b>N/A</b>
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
<b>2018</b>	<b>N/A</b>						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>SCADA / I &amp; C Engineer. AECOM completed the development of the Public Utilities Master Plan that provides direction for near and long-term infrastructure management strategies supported by technical evaluations and capital improvement programs that are focused on meeting the future customer demands with best value solutions and fully leveraged assets.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					
b. (1) TITLE AND LOCATION (City and State) <b>Advanced Wastewater Treatment Facility Electrical Upgrades Fort Myers, FL</b>		(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFESSIONAL SERVICES</th> <th style="width: 50%;">CONSTRUCTION (if applicable)</th> </tr> <tr> <td style="text-align: center;"><b>2020</b></td> <td style="text-align: center;"><b>2020</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<b>2020</b>	<b>2020</b>
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
<b>2020</b>	<b>2020</b>						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>SCADA/I&amp;C Engineer. Designed extensive SCADA and automation system concurrent with electrical upgrades and intelligent MCC and VFD installation. Design included sophisticated central system with server redundancy, virtualization, and intelligent interface with new equipment. Designed Device-Level-Ring topology to maximize performance and communication efficiency.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					
c. (1) TITLE AND LOCATION (City and State) <b>Collier County MPS 306 Wastewater Basin Analyses Program- SCADA and Instrumentation &amp; Controls Support Collier County, FL</b>		(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFESSIONAL SERVICES</th> <th style="width: 50%;">CONSTRUCTION (if applicable)</th> </tr> <tr> <td style="text-align: center;"><b>2021</b></td> <td style="text-align: center;"><b>N/A</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<b>2021</b>	<b>N/A</b>
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
<b>2021</b>	<b>N/A</b>						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager. SCADA and I&amp;C support for two wastewater facilities, two water treatment facilities, a reclaimed water system, and several wellfields. Integration, programming, and a variety of support activities continued for 15 years. Upgraded one WW facility SCADA System to latest generation controller platform, including fiber optic network updates and control system automation improvements.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					
d. (1) TITLE AND LOCATION (City and State) <b>Orange County South Water Reclamation Facility Orlando, FL</b>		(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFESSIONAL SERVICES</th> <th style="width: 50%;">CONSTRUCTION (if applicable)</th> </tr> <tr> <td style="text-align: center;"><b>2017</b></td> <td style="text-align: center;"><b>N/A</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<b>2017</b>	<b>N/A</b>
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
<b>2017</b>	<b>N/A</b>						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>SCADA/I&amp;C Engineer. Lead instrumentation and SCADA engineer for new Influent Pump Station design project. Designed integration with facility's existing SCADA System including extensive upgrades to the central SCADA infrastructure.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					
e. (1) TITLE AND LOCATION (City and State) <b>Toho Water Authority, South Bermuda Water Reclamation Facility Kissimmee, FL</b>		(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFESSIONAL SERVICES</th> <th style="width: 50%;">CONSTRUCTION (if applicable)</th> </tr> <tr> <td style="text-align: center;"><b>2018</b></td> <td style="text-align: center;"><b>2020</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<b>2018</b>	<b>2020</b>
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
<b>2018</b>	<b>2020</b>						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>SCADA/I&amp;C Engineer. Provided I&amp;C design services for improvements at TWA's South Bermuda Water Reclamation Facility, including blower, transfer pump, and nitrification/denitrification/oxidation ditch upgrades.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Jenner Alfaro, PE</b>	<b>Construction Engineering &amp; Inspection</b>	a. TOTAL <b>45</b>	b. WITH CURRENT FIRM <b>15</b>
15. FIRM NAME AND LOCATION (City and State)			
<b>EAC (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
<b>MS, Civil Engineering BS, Civil Engineering</b>		<b>Professional Engineer: FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
<b>Construction Management Institute</b>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Local Agency Program (LAP) FDOT 6 FM No. 431992-1-58-01 Downtown Wayfinding and Signage System Program</b>		PROFESSIONAL SERVICES <b>N/A</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Senior Project Engineer</b> as part of the Wayfinding Signing Program for the excavation, construction of footers, concrete placement, and the installation of 300 signs within Miami downtown. Construction cost \$1.6 M.			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>B-30637 &amp; B-30833 Mary Brickell Village Drainage/Roadway Improvements</b>		PROFESSIONAL SERVICES <b>N/A</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Senior Project Engineer</b> for the construction work that includes roadway milling & resurfacing, limited road reconstruction, ADA sidewalk, drainage, signage, and thermoplastic. Construction cost \$1.3 M, 7 months duration			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Local Agency Program (LAP) FDOT 6 FM No. 440841-1-58-01 North Beach Oceanside Beachwalk (From 79th to 87th ST)</b>		PROFESSIONAL SERVICES <b>N/A</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>CEI Senior Project Engineer</b> for the construction of a 25' wide and ½ a mile long walkway built over a soil structure composed by 12-inch of LBR-40 stabilized subgrade, 4.5-inch LBR-100 limerock base, 1-inch sand bedding and 57,508 SF of the installation of pavers with 7 different patterns.			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>SR-934/ NW 79th Street Roadway Improvements Projects – FDOT District 6, City of Miami, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2016</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Senior Project Engineer</b> , overseeing this grouping project which consists of the roadway improvements including milling and resurfacing, signalizations, lighting, ADA improvements, drainage improvements, bridge traffic railing replacement, signing and pavement marking improvements on NW 79th street from 14th Avenue to North Bayshore Drive, NW 79th street from 14th Avenue to 28th Avenue, and NW 27th Avenue from NW 79th Street to NW 103rd Street.			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>East Palm Drive Canal Culverting &amp; Roadway Construction Engineering Management</b>		PROFESSIONAL SERVICES <b>N/A</b>	CONSTRUCTION (If applicable) <b>2020</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Senior Project Engineer</b> for ½ mile canal culverting and roadway reconstruction, including drainage, roadway reconstruction, milling and resurfacing, drainage, curb and gutter, sidewalk, driveways, lighting and installation of drill shafts and traffic signal high mast arms.			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Dawn Jakiela, PE</b>	<b>Master Planning</b>	a. TOTAL 39	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Myers, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BE, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer – CT</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Dawn is a project manager with extensive engineering expertise related to the planning, design, and maintenance of municipal wastewater and water facilities. As the former city engineer in Meriden, Connecticut, she oversaw various municipal engineering projects, including wastewater treatment and collection, water treatment and distribution, stormwater management, and traffic systems. She provided technical input to long-range planning efforts for public infrastructure such as sanitary and stormwater collection systems and roadways and assisted with the preparation of the city's capital improvement planning program.			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Boynton Beach, Continuing Services Contract, Boynton Beach, FL</b>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2018
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> As one of the City's General Services Consultant, AECOM has provided civil engineering, water resources, water treatment, stormwater design and distribution/conveyance and lift and pump station services.		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Cape Coral Continuing Services Contract, Cape Coral, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> AECOM has served as a consultant to the City of Cape Coral under a continuing service contract since 2004. The services that AECOM has provided include planning, hydraulic modeling, preliminary engineering, design, permitting, and construction phase services on a wide range of projects.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Collier County, Professional Services MSA, Collier County, FL</b>		PROFESSIONAL SERVICES 2021	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided technical input to the city's public utilities commission during negotiations for a sludge disposal contract with a private firm. Reviewed the contract terms relative to quantity and quality needed to prevent financial penalties. Reviewed the rewording of force majeure clauses to ensure that the city was protected. Considered alternate disposal methods should the private vendor or the city fail to meet the terms and conditions of the contract.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Marco Island, Marco Shores Alternative Water and Sewer Improvements, Marco Island, FL</b>		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Managed preliminary engineering, design, permitting, bidding, and construction phase services to construct potable water and wastewater improvements, including a new wastewater pump station and two 6,000-foot subaqueous HDDs for potable water and wastewater conveyance.		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Collier County, Public Utilities Master Plan, Naples, FL</b>		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Managed the 2014 comprehensive master plan for potable water, wastewater and reuse water facilities and subsequent updates in FY2017 and FY 2019. This evaluation included analyses of population and flow projections and available treatment plant capacities, raw water supplies, hydraulic modeling to assess the ability of the pipeline network to provide adequate flows and pressures and linear asset prioritization to recommend a capital improvement plan.		<input checked="" type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Mark S. Blanchard</b>	<b>Policy and Finance Advisory</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>35</b>	<b>35</b>
15. FIRM NAME AND LOCATION (City and State)			
<b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
<b>BS, Geology</b>			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			

Mark Blanchard is a Vice President and the Miami Global City Executive for AECOM with over 30 years of service with the firm. As a part of the AECOM Global Cities Team, he provides key support to Strategic Development / Governmental Affairs and leads major business development campaigns in support of all Business Lines in the Miami Metro Area as well as AECOM's other major cities programs. In addition, Mark actively participates in many national geopolitical associations including the National Governors Association, League of Cities, U.S. Conference of Mayors, as well as several other stakeholder organizations as part of his continued support of key clients.

Mark is committed to working to enhance local communities to help make them more livable, sustainable and resilient for generations to come. In support of local workforce, Mark served as a key contributor to the developing opportunities for small and minority businesses to stimulate local hiring by creating contracting and employment opportunities. Mark is actively engaged in the promoting Resilient Cities Programs. Serving as a strategy partner, Mark helps in the development of resilience strategies that addresses current and future shocks and stresses such as sea-level rise, flooding and surge.

As an expert in program development and execution, Mark specializes in the implementation of large capital projects tailored to provide practical, cost effective solutions which meet our client's infrastructure needs. He is responsible for the management of contract performance, client communication, and the assembly of technical resources for the successful delivery of several programs, supporting a variety of business sectors such as Aviation, Health Care, Transportation, Building and Places and Water/Wastewater Utilities. Serving as an AECOM Global City Executive and client liaison, he oversees the firm's technical, financial, and quality performance as part of his ongoing commitment to delivery excellence.



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Tim Gray, PSM, CFS</b>	<b>Survey, Mapping and SUE</b>	a. TOTAL <b>23</b>	b. WITH CURRENT FIRM <b>6</b>
15. FIRM NAME AND LOCATION (City and State) <b>KEITH (Pompano Beach, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BS, Geomatics</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>PSM - FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>BCWWS North Regional Water Wastewater Treatment Pumping System and Septage (Pompano Beach, Florida)</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE KEITH was tasked with surveying activities providing topographic survey of the subject parcel depicting all the above ground appurtenances and any identified interior and sub-surface accessible equipment that will be needed for the design of the station's upgrade.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>City of Deerfield Beach Miscellaneous Engineering, Planning &amp; Surveying Services (Deerfield Beach)</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE KEITH has served as the General Engineering Consultant (GEC) for the City of Deerfield Beach for more than 16 years. KEITH provides ongoing continuing services, including engineering, surveying, and mapping services, as well as plan review services. Some projects provided under these contracts include: Mayo Howard Park Surveys; Paradise Point Engineering Design Surveys; Encroachment Exhibits Survey; Deer Run Parkway Boundary Survey; and Highlands Park Improvements.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>City of Fort Lauderdale, Davie Boulevard 18" Water Main Improvements (Davie, Florida)</b>	PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City of Fort Lauderdale has identified an existing 18" cast iron (CI) Water Main to be abandoned in-place running from I-95 east to Andrews Avenue. The purpose of this project is to transfer all services and water mains, currently connected to the 18" CI water main to be abandoned, to an existing 24" ductile iron pipe (DIP) water main and to an existing 8" water main. Extensions of the public water system are required to supply the residential community fronting Davie Blvd with the necessary domestic and fire service needs. The project consists of 1,420 linear feet of 8" DIP along the south right of way line from SW 9th Avenue to the east approach of the New River bridge; 1,255 linear feet of 8" DIP along the north right of way line of Davie Blvd. from SW 4th Street to SW 8th Terrace; 1,154 linear feet of 8" DIP Water Main along the south right of way line from SW 4th Avenue to SW 8th Avenue. As the Prime consultant, KEITH is providing surveying, subsurface utility engineering.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Southport Phase IXA (Hollywood, Florida)</b>	PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE KEITH is providing professional and surveying services for the purpose of design, permitting and construction contract administration associated with the development of new cargo handling container yards.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Michael Bennett, PG</b>	<b>Hydrogeology and Wells</b>	a. TOTAL <b>35</b>	b. WITH CURRENT FIRM <b>15</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (West Palm Beach, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MS, Hydrogeology BS, Geology</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Geologist – FL, TX, LA</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Mr. Bennett is a licensed professional geologist and senior hydrogeologist with nearly 35 years of experience in hydrogeology, groundwater modeling, geochemistry, and geophysics. He provides technical consultation on permitting, groundwater hydrology, water resource assessment, aquifer storage and recovery, and deep well disposal projects. Mr. Bennett also brings his expertise with project and construction management of multimillion-dollar groundwater resource, aquifer storage and recovery, and deep injection well projects.</b>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Beach Hydrogeologic &amp; Groundwater Monitoring Program</b>		PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (If applicable) <b>2019</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Based on limited existing data, the AECOM is leading a hydrogeologic investigation of Miami Beach in an effort to provide sufficient information to accurately depict subsurface hydrogeologic conditions for model conceptualization and to provide high resolution data for model calibration and verification. AECOM managed the drilling and testing of 42 monitor wells at 14 sites to gain information of the underlying hydrogeology. These monitor wells are used to determine long-term trends in ground water quality and level to provide sufficient hydrogeologic information for conceptualization and calibration of the 3-D Density Dependent Ground Water Flow Model to assess the effects on the ground water system based on various flood/stormwater mitigation strategies.		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Springs Wellfield Assessment and Rehabilitation</b>		PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION (If applicable) <b>2022</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Wellfield Technical Lead.</b> This wellfield consists of 23 shallow production wells drawing from the Biscayne Aquifer including those at the Hialeah WTP and within the City of Miami Springs. This report addressed the raw water production wells and associated mechanical, electrical, and structural components and functional integrity with the intent to provide a strategic evaluation and recommendations based on visual observed condition to extend the useful life of the facilities. Phase I included data/literature review, downhole video inspection all 23 production wells and reporting, engineering valuation, development of a list of recommendations and conceptual to design /repair/eliminate of individual production wells. Phase II included preliminary and final design of new production well construction. In addition, Mike continues to provide construction observation inspections necessary to certify specific components of the project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Miramar Water Use Permit Modification</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> AECOM prepared a modification to the City's existing SFWMD Consumptive Use Permit to obtain permit rights to withdraw additional raw ground water from the Biscayne and Floridan aquifer system to meet projected 2034 finished water demands. Based on the need for additional raw water demands from the Biscayne, AECOM moved forward with a Ground Water Model Evaluation and Verification impact analysis.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Hampton Roads Managed Aquifer Recharge Project</b>		PROFESSIONAL SERVICES <b>2018</b>	CONSTRUCTION (If applicable) <b>CURRENT</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Well Construction Manager.</b> This project entailed the design of a 100 million a day Managed Aquifer Recharge Project using treated wastewater to offset declining ground water levels in the Potomac Aquifer in the Hampton Roads Area of southeast Virginia. A total of 5-10 MAR wells will be designed and constructed at each of 7 wastewater treatment facilities with each well having a capacity of 2 MGD. AECOM is providing program management services.		<input checked="" type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Monica Gregory</b>	<b>Resiliency</b>	<b>7</b>	<b>1</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Miami/Fort Lauderdale/West Palm Beach, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MPA, Environmental Policy &amp; Management BA, Environmental Anthropology</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <p>Monica Gregory is a resilience planner and project manager focused on reducing flooding and extreme heat impacts to infrastructure, communities, and the environment. She has experience in cross-disciplinary projects at the intersection of resilience planning and critical infrastructure, affordable housing, coastal management, parks and historic resources, and transportation. Monica has worked in federal, state, and local governments including at Miami-Dade County and the National Oceanic and Atmospheric Administration. Monica is Envision-certified and is a member of the Florida and North Carolina chapters of the American Planning Association and the American Society of Adaptation Professionals.</p>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State) <b>Florida Department of Transportation District 6, Resilience Services, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical subject matter expert and editor working to enhance District 6 resilience operations. This project builds on FDOT D6 resiliency efforts to enhance the transportation facilities through project implementation and policy alignment.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade County Extreme Heat Toolkit, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2020-2021</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project manager and technical expert responsible for coordinating with the carbon mitigation specialist, County Chief Heat Officer, and research fellow to produce policy recommendations for the most impactful policies, projects, and program improvements the County Chief Heat Officer can implement with partners.</b>		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>Little River Adaptation Action Area, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2019-2021</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Technical subject matter expert, author, and editor responsible for coordinating with internal departments, community outreach, and writing sections and reviewing sections of the resilience plan for the Little River area to assess climate vulnerabilities in the area, map flood risk, coordinate internal departments to improve project planning and construction, and identify projects and policies for implementation.</b>		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade County Sea Level Rise Strategy, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2018-2020</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Deputy project manager, lead author, lead technical subject matter expert, lead outreach coordinator, and lead editor responsible for producing Miami-Dade County's first sea level rise strategy that outlines a path forward for the County to implement critical policy and project solutions to reduce current and future flood risk.</b>		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>USACE 'Back Bay' Coastal Storm Risk Management Feasibility Study, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2018-2020</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Deputy project manager responsible for coordinating across internal departments on technical and narrative reviews, organizing community outreach beyond USACE requirements, writing, reviewing, and editing multiple drafts of the feasibility study, and facilitating process of collecting comments from internal department specialists through all phases of planning effort to inform USACE analysis. The project focuses on reducing storm surge risk to critical infrastructure, the community, and the environment in USACE-selected areas of Miami-Dade County.</b>		<input type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Andrew Nixon, PE</b>	<b>Geotechnical</b>	a. TOTAL 16	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) <b>RADISE (Oakland Park, FL)</b>			
16. EDUCATION (Degree and Specialization)  BS, Ocean Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL OSHA 40-hour Health and Safety / OSHA, 29 CFR 1919.120 (HAZWOPER) Qualified Stormwater Management Inspector	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Mr. Nixon's experience providing Geotechnical, Environmental and Construction Materials Testing Services, and he has provided these services for a variety of private and public owners including USACE, FDOT, SFWMD, FPL and local counties and municipalities. His skills include preparing and reviewing geotechnical and materials engineering inspection reports; coordinating and supervising engineering staff, drilling personnel and technicians; and conducting foundation.			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State) <b>Fort Lauderdale – 7 Neighborhoods Improvement, Fort Lauderdale, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES: <b>2018</b> CONSTRUCTION (If applicable):	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager/Senior Project Engineer.</b> services including field exploration/testing and laboratory testing services. Also includes the detailed graphical logs of the soil borings, groundwater levels, subsurface soil stratigraphy and classifications, and permeability test calculation results.		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Bermuda Riviera Small Water Mains Improvements, Fort Lauderdale, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES: <b>2018</b> CONSTRUCTION (If applicable):	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager/Senior Project Engineer.</b> Field exploration/testing and laboratory testing services. The field exploration program consisted of obtaining (20) Pavement Cores from the existing roadways within Bermuda Riviera District area.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>Broward County Library of Services Professional Engineering Continuing Services Contract, Broward County, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES: <b>Ongoing</b> CONSTRUCTION (If applicable):	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager/Senior Project Engineer.</b> Performed various field and laboratory testing services during the renovation and drainage improvements for the Carpenter House and Broward County Landfill. Services included but were not limited to geotechnical drilling and engineering, index property testing such as Grain Size Distribution, Atterberg Limits, Moisture Contents, Organic Content, Proctors, Limerock Bearing Ratio's, field density tests, and concrete sampling and unconfined compressive strength tests of the concrete cylinders, reinforcing steel and threshold inspections.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>Water and Sanitary Sewer System Improvements for Utility Analysis Zones 110/111 and 113 (UAZ 110/111, UAZ 113A and UAZ 113B), Broward County, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES: <b>Ongoing</b> CONSTRUCTION (If applicable):	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager/Senior Project Engineer -</b> Provided Geotechnical Engineering Services including field exploration/testing and laboratory testing services. The field exploration program consisted of obtaining Pavement Cores from the existing roadways, performing SPT borings in the cored pavement holes, and obtaining groundwater depth measurements.		<input checked="" type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Andrew Pickford, CP, GISP</b>	<b>Photogrammetry &amp; Remote Sensing</b>	a. TOTAL <b>27</b>	b. WITH CURRENT FIRM <b>1</b>
15. FIRM NAME AND LOCATION (City and State) <b>Woolpert, Inc. (Miami, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BA, Geography</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>ASPRS Certified Photogrammetrist   1452 Certified GIS Professional   16931</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
<ul style="list-style-type: none"> <li>Seasoned geospatial project manager</li> <li>Responsible for geospatial business development including photogrammetry, GIS, survey services, aerial imagery acquisition, digital orthophotography, lidar, and quality assurance/quality control.</li> <li>Analyzes project resource needs and work partners to determine budget and resource allocation; develops detailed project scope, schedules, and plans while also communicating client needs and expectations to his project teams; and negotiates project schedules, fees, and scopes as well as conducts project kick-off meetings and sets up project data within internal systems.</li> <li>Conducts project status update meetings to communicate, address, resolve, and anticipate project issues.</li> </ul>			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>2008-2021   Palm Beach County, Florida</b>		PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Manager</b> responsible for negotiating and managing multiple IDIQ contracts over several years that involved a wide range of photogrammetric services, including planimetric mapping, as well as high-resolution digital orthophotography throughout the County. \$4M.			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>2010   City of West Palm Beach, Florida</b>		PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Manager</b> for work consisting of new photography, geodetic control surveys, planimetric and topographic mapping at 1" = 40' with 0.5-ft contours. \$500K			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>2006-2009   City of Tamarac, Florida</b>		PROFESSIONAL SERVICES <b>2009</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Manager</b> for this multi-year and multi-phased project involved a full City GIS Utility Conversion, planimetric mapping update, GIS application development, and Digital Orthophotography. \$2M.			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>2011   City of Wilton Manors, Florida</b>		PROFESSIONAL SERVICES <b>2011</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Manager</b> for work that involved the acquisition of new aerial photography of the City, full planimetric mapping, color digital orthophotography, field edit services, personal geodatabase delivery. \$175K.			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>2012   City of Plantation, Florida</b>		PROFESSIONAL SERVICES <b>2012</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Manager</b> for work that involved the acquisition of new city-wide color aerial photography, ground control surveys, planimetric and topographic mapping, GIS shape file delivery, color digital orthophotography. \$400K			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	12. NAME	12. NAME
<b>Fernando Navarrete, PE</b>	<b>Water Resources</b>	<div>a. TOTAL</div> <div>27</div> <div>b. WITH CURRENT FIRM</div> <div>20</div>

15. FIRM NAME AND LOCATION (City and State)

**AECOM (West Palm Beach, FL)**

16. EDUCATION (Degree and Specialization)

PhD, Ocean Engineering  
BS, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer – FL

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

Dr. Navarrete has 27 years of experience in water resources projects design including water and stormwater municipal rehabilitation projects, hydraulic and hydrologic modeling, groundwater modeling and monitoring, stormwater management, and complete design of water resource projects. In addition, Dr Navarrete has experience on private provider inspection services. Some his clients include the City of Oakland Park, City of Miramar, City of Miami, Broward County, SFWMD, FWC, Pratt & Whitney and FPL.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
<b>South Florida Water Management District, STA 1W – Expansion #2 Project, FL</b>	<div>PROFESSIONAL SERVICES</div> <div>2020</div> <div>CONSTRUCTION (if applicable)</div> <div>On going</div>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project manager** for the design of the project including the preliminary studies and detailed H&H modeling for the complete system followed by the 30%, 60% and 90% design of the project including the design of a 5.5 concrete lined connection canal, inflow, spreader, collection and outflow canals, culverts, spillways, gates and weirs. The project also included the complete design of two Inflow pumps stations (500 cfs each) one Outflow pump station (625 cfs); and a 40 cfs Seepage pump station. Each pump station had four 125 cfs pumps, two electric and two diesel pumps. The project also included and emergency generator to provide power to one of the electric pumps to be able to pump 375 cfs for the inflow pump stations and 500 cfs for the outflow pump station in the absence of commercial power.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
<b>City of Oakland Park, Water Main and Storm Drainage Improvements for the Bid Package #8, Oakland Park, FL</b>	<div>PROFESSIONAL SERVICES</div> <div>2018</div> <div>CONSTRUCTION (if applicable)</div> <div>2021</div>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project manager** for the construction management services for utility improvements for Bid package # 8. This project was given to the AECOM team due to the good performance during the Bid Pack #11 job. The project included the watermain replacement and relocation and the rehabilitation of the stormwater management system. The addition of sidewalks and refurbishment of one lift station.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
<b>Lakeside Ranch Stormwater Treatment Area STA-South, Martin County, FL</b>	<div>PROFESSIONAL SERVICES</div> <div>2018</div> <div>CONSTRUCTION (if applicable)</div> <div>2018</div>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project manager** for the construction management services for the construction and successful completion of the STA-South components including 788 acres of new flow-way, 9+ miles of levees, 10 miles of canals/ditches, 9 inflow/outflow control structures with instrumentation and control, 6 overflow spillways, 2 culvert structures, 1 discharge structure/highway crossing, 10 flow control weirs.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
<b>City of Oakland Park, Water Main and Storm Drainage Improvements for the Bid Package #11, Oakland Park, FL</b>	<div>PROFESSIONAL SERVICES</div> <div>2013</div> <div>CONSTRUCTION (if applicable)</div> <div>2018</div>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project manager** designed and construction management services for utility improvements for Bid package # 11. The improvements included watermain replacement and relocation, sanitary sewer installation and the rehabilitation of the storm water management system.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
<b>FWC, Triple N Ranch WMA Hydrological Restoration, Osceola County, FL</b>	<div>PROFESSIONAL SERVICES</div> <div>2019</div> <div>CONSTRUCTION (if applicable)</div> <div>2021</div>

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project Manager and Civil Design.** An EPA SWMM 5.1 model was configured to model the project. Based on the model results, AECOM designed and permitted the restoration activities included in the 2013 AECOM environmental Assessment. These design efforts included a topographic survey, geotechnical exploration, installing/resizing culverts, installing low-water crossings (LWC), degrading berms and plugging ditches.

# E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Everette Lopez, EI</b>	<b>Pre-Construction Permitting</b>	<b>19</b>	<b>19</b>
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>MS, Civil Engineering BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Engineer-in-Training: FL #1100004367</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Everette is a project engineer who has worked on a variety of environmental projects involving water treatment process, pipe installation and replacement, and general water and wastewater design, as well as neighborhood improvement projects consisting of sanitary sewer, potable water and stormwater.</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Town of Davie Water Treatment Plant and Wastewater System Expansion Progressive Design-Build, Davie, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Engineer.</b> Assisted with the planning and design of a new 6.0-mgd low-pressure reverse osmosis (LPRO) water treatment plant, which is part of a combined \$112 million Water Treatment and Water Reclamation Facility for the Town of Davie, FL. A preliminary design report was prepared which provided technical details of the treatment process and equipment components of the new facility. Also, coordinated and helped prepare the final operations manual for the ROWTP which included details of the components of the facility and linked references to equipment supplier O&M submittals.			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Hialeah New Brackish RO Water Treatment Plant Design-Build-Operate, Hialeah, FL</b>		PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION (If applicable) <b>2015</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Engineer.</b> Coordinated and helped prepare the final operations manual for the \$55 million, 10-mgd Hialeah ROWTP which included details of the components of the facility including cartridge filters, feed pumps, RO membranes, energy recovery unit, degasifiers, biofilters, clearwell, finished water storage, transfer pumps, and high-service pumps. The manual was prepared in electronic pdf format with linked references to equipment supplier O&M submittals.			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade Water and Sewer Department (MDWASD) Preston WTP 72-Inch Redundant Water Main, Hialeah, FL</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Engineer.</b> Assisted senior PM with the design of a 700 LF, 72-inch prestressed concrete embedded cylinder pipe (PCECP) water main, complete with all fittings and appurtenances. This line will provide redundancy to an existing 72-inch line which transmits water from the high service pump station located at the 165-mgd Preston Water Treatment Plant. Other responsibilities also included development of a preliminary basis of design report, preparation of specifications, permitting, and coordination with utility companies with underground infrastructure. \			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Historic Miramar Infrastructure Improvements - Phase 3, Miramar, FL</b>		PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION (If applicable) <b>2020</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Engineer.</b> Project engineer for the design, permitting and construction of a wastewater collection system for the City of Miramar. This system is part of the final phase of a \$21 million sewer septic tank replacement and utility system improvement program in Eastern Miramar which includes sanitary sewer, potable water and stormwater infrastructure upgrades and improvements. The water component of the project included over 48,600 LF of 4-inch to 16-inch ductile iron water mains, approximately 842 water service connections and 93 fire hydrants installation.			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Stephen O. Starke, PG</b>	<b>Environmental Engineer and Regulatory</b>	a. TOTAL <b>39</b>	b. WITH CURRENT FIRM <b>34</b>

### 15. FIRM NAME AND LOCATION (City and State)

**AECOM Technical Services, Inc. (Fort Lauderdale, FL)**

16. EDUCATION	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
<b>BSc, Geology</b>	<b>Professional Geologist – FL, NC, TN, VA</b>

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

Stephen is a project manager and hydrogeologist experienced in conducting contamination assessment investigations, environmental audits, and emergency response services. He specializes in petroleum and hazardous waste assessments and remedial design and implementation with extensive experience in the management of multiple-site, indefinite-delivery order contracts, and performance-based contracts. He also has experience with multi-spectral remote sensing imagery interpretation as used in the defense intelligence community. Stephen is a licensed realtor associate and holds the GRI professional designation.

### 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Hazardous Waste Cleanup, Various Locations, FL</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (if applicable) <b>N/A</b>

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

**Project manager** for the hazardous waste cleanup contract. Providing Level 1 and 2 assessments, impact to construction assessments, hazardous waste removal, and site remediation for contaminants including hazardous waste metals, solvents, and petroleum hydrocarbons.

b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Imagery Analysis, Washington, District of Columbia</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (if applicable) <b>N/A</b>

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Performed imagery analysis duties and prepared reports and briefings.

c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Emergency Response Environmental Consulting Services, Various Locations, Florida</b>	PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION (if applicable) <b>N/A</b>

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Supervised Level 2 and Level 3 assessments and removal of contaminated soil from proposed construction areas for District Four and the remediation of parcels using a phased approach to reduce cleanup costs.

d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Petroleum-Contaminated Site Closure, FL</b>	PROFESSIONAL SERVICES <b>2020</b>	CONSTRUCTION (if applicable) <b>N/A</b>

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Managed assessment, remediation, monitoring, and closure of a petroleum-contaminated site for District Six.

e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Remediation, Broward and Palm Beach Counties, FL</b>	PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (if applicable) <b>N/A</b>

#### (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Managed contamination assessment, tank removal, and remediation projects associated with road expansion and construction for District Four.



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Juan Alfonso, AIA, NCARB, RID</b>	<b>Project Program Advisory</b>	23	5
15. FIRM NAME AND LOCATION (City and State) <b>AECOM (Fort Lauderdale, FL)</b>			
16. EDUCATION (Degree and Specialization)  MS, Construction Management BA, Architecture AA, Architecture		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  Certified Uniform Building Code Inspector (UBCI) American Institute of Architects (AIA) NCARB Certified (NCARB) Registered Architect (Florida) Registered Interior Designer (Florida)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Juan Alfonso leads the PM/CM business line in Florida and has over 23 years of experience in large facility program /project management and controls, construction management, scheduling, estimating, value engineering, claims, and design development. Mr. Alfonso has participated on different project types such as Healthcare, Commercial, Justice, K-12, Higher Education, Transit and Rail, Water and Sewer, Ports and Coastal, Environmental, Transportation, and Residential projects throughout the nation totaling more than \$11 billion.			
<b>19. RELEVANT PROJECTS</b>			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Greater Orlando Aviation Authority (GOAA), South Terminal Program Management Services - Orlando, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Business line leader</b> in charge of PM services for the first phase of Orlando International Airport's new South Terminal Complex (300 acres, the \$1.8 billion). AECOM, as an owner's authorized representative provides cost estimating, cost control, scheduling, progress reporting and planning services to support both design and construction.			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miracle Bond Program, Jackson Health System, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Program executive</b> for the Miracle Bond Program. Jackson Health System, chose AECOM PMCM to manage their \$1.5 billion capital plan that includes new construction projects, the renovation of existing facilities, technology upgrades, cutting-edge equipment, and infrastructure improvements.			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>S.M.A.R.T. Bond Program, Broward County Public Schools, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Program executive</b> for the \$800million S.M.A.R.T. Bond Program. Broward Schools, chose AECOM PMCM to manage their \$800 million bond program that includes the renovation of existing schools and support facilities, Roofing Projects, ADA Improvements, technology upgrades, cutting-edge equipment, and infrastructure improvements.			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Sales Tax Building Program, Palm Beach School District, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Program executive</b> for the Sales tax Program. Palm Beach Schools, chose AECOM PMCM to manage their \$1.2 billion sales tax program that includes new construction projects, the renovation of existing schools and support facilities, technology upgrades, cutting-edge equipment, and infrastructure improvements.			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>AirportLink Project Construction Administration Services, Miami-Dade Transit, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project director</b> for this project which consisted of 4 individual projects related to the close-out of the \$1 billion Miami Intermodal Center (MIC) project. Mr. Alfonso led a team of construction managers that provided day to day oversight in the construction of these four projects including roadway construction, guideway repairs, new communication systems, signage and traction and power controls renovations.			

# 5

## Approach to Scope of Work





# 5 Approach to Scope of Work



We have reviewed the scope of work in addition to our ongoing work with the City; we have a proven approach to delivering with our road map for success.

## Project Management Leadership

Our Project Manager, Jeremy, has completed the comprehensive range of project work and technical service areas being requested by the City. He has done this range of work as both project manager and technical lead for clients throughout the US, Florida, and South Florida. Jeremy's home office is Ft. Lauderdale, which is a 5-minute walk away from City Hall; he is currently working directly with City staff on delivering important rehabilitation work at GTL. His depth of project leadership and technical experience will be critical in delivering successfully to the City to overcome any challenge.

## Comprehensive Services with Capacity to Perform the Work

In addition to our leadership and technical expertise, we bring the breadth of project delivery staff and capabilities to deliver on schedule and meet the City's expectations. This is demonstrated on our Organization Chart; our team is structured for your success. One of the ways that we ensure project quality and consistency is through "fully integrated design teams". Each delivery team will be comprised

of members that have a history of collaborating on design projects together. This integration fosters new ideas, communication, quality, and accountability for strong outcomes.

## Implementing Lessons Learned

Due to the non-standard nature of civil work, it is important to share and build on the knowledge of the City and our team partners at the outset and throughout project delivery. At the outset, we will formally meet with the City to discuss and document our background with similar work, historical challenges, and best practices that we have each developed for design delivery and construction. The outcome of this initial step will be a standardization of the design practices, collaboration systems, and tools that will be used in project delivery. This collaboration of lessons learned, and continual improvement will continue throughout project delivery, with discussions facilitated between teams by our technical advisory and quality management leads.

## Communications and Project Delivery Management

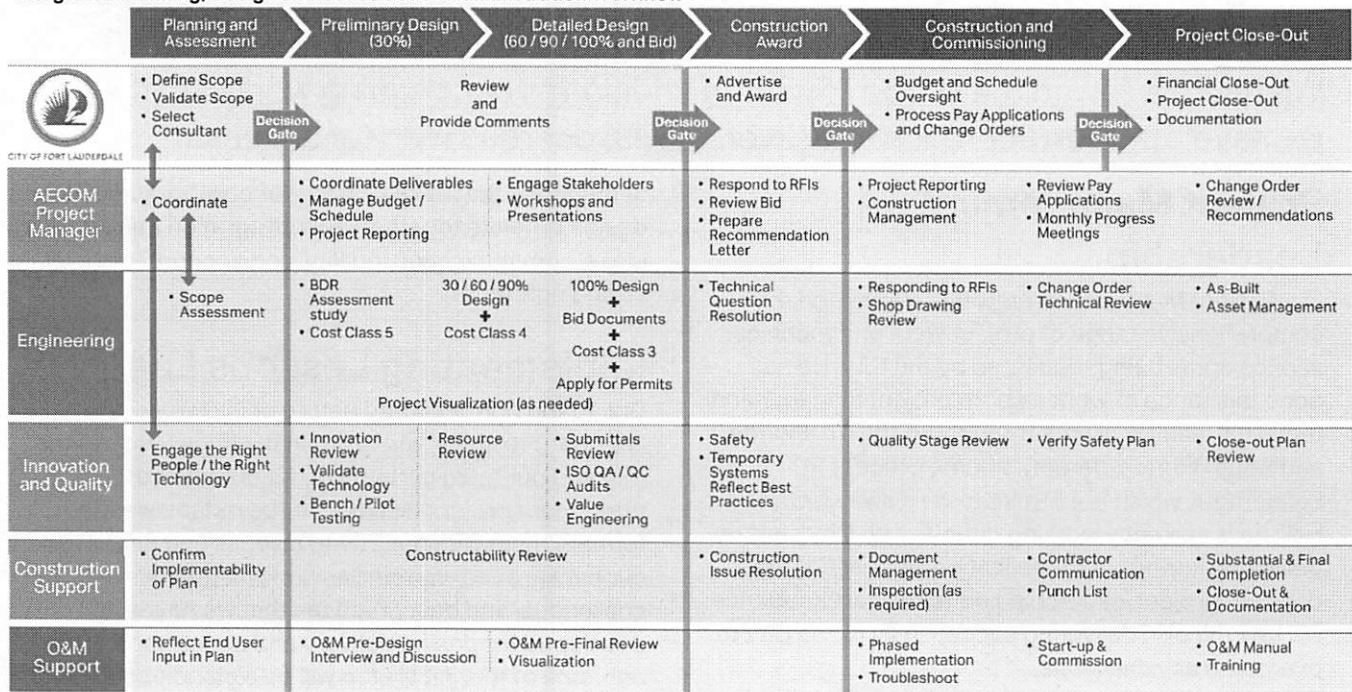
One of the greatest challenges of this work will be in delivering multiple aspects of work simultaneously, while maintaining quality and consistency of work that share lessons learned best practices among team members. Critical to successful on time delivery and City approval is continual communications shown in the adjacent steps and collaboration shown in the below graphic.

**Weekly** informal "two-week lookahead" emails followed by a phone call to give a status on schedule, completed work, ongoing work and potential issues that require City attention.

**Monthly** formal "Project Status Report" documenting current invoicing, work completed, updated Gantt chart schedule, issues for City or third-party resolution and any schedule or risk mitigation strategies.

**Meetings** at the City office on at least a monthly and more likely weekly basis to review ongoing project issues, address design related questions, coordinate with operations and review project status report issues.

### Integrated Planning, Design and Construction Administration Workflow





## Project Development, Administration, and Verification

Scope of Services Tasks: *Projects Planning, Management and Reporting, Public and Stakeholder Outreach, Value Engineering, Finance and Policy Advisory, Staff Extension*

### Requirements:

- Establish a basis for all subsequent work, improve the efficiency of work, and make designs consistent with existing standards.
- Ensure stakeholders are engaged early and informed throughout the process.
- Effective project management and oversight to meet City expectations on cost, quality, schedule, and responsiveness.
- Provide City with project delivery staff augmentation and advisory services on an as needed basis.

### Our Approach:

- Review of project needs, scope development with City, sequence, and schedule with delivery teams.
- Structured, open, and reoccurring communications approach amongst all team members and stakeholders. This includes an accountable documentation process to track progress and decisions.
- Project leadership and management approaches are based on successful projects of a very similar type.
- Make available to the City our comprehensive local and global resources to overcome a range of needs.

### Benefits:

- Work is performed in an efficient, timely, and cost-effective manner with a high degree of consistency and quality among the various design packages.
- City O&M and associated stakeholders performance requirements, comments, and preferences are identified and incorporated early to keep projects on schedule.
- Certainty in the reliable delivery of advisory, engineering, and construction with minimal surprises.



## Data Collection and Field Investigations

Scope of Services Tasks: *Data Collection, Site Visits, Topographical Survey, Geotechnical Investigations, Subsurface Utility Engineering, Condition Assessment*

### Requirements:

- Verify the existing data is accurate, collect field data necessary for design, identify challenges and opportunities, and better understand issues to be addressed in design.
- Conduct work in a way that builds on existing City knowledge, information, and asset management system to incorporate new assets

### Our Approach:

- Consolidate information, as-builts and previous reports by discipline in a consistent basis for design. If needed conduct visual assessment and rating of the existing facilities and systems.
- Existing data will be field verified for accuracy and operator discussions will be conducted for a basis of understanding of any current issues.
- Survey, subsurface utility engineering, geotechnical and remote sensing efforts are conducted at this stage in a way that directly aligns with design needs and schedule.

### Benefits:

- Accurate information at the outset facilitates quality designs that will easily tie back to the City GIS and asset management system upon completion.
- Early identification of items that pose potential design, construction, or operational risk and a then provide a consistent baseline for planning and design development.
- Survey and field data that will seamlessly transitioning into design for timeliness and quality.





## Preliminary Engineering, Modeling and Concept Development → Preliminary Design Review Workshops

Scope of Services Tasks: *Hydraulic & Flood Modelling, Process Modeling, Feasibility and Concept Planning, Master Planning, Capacity Analysis, and Probable Costs*

### Requirements:

- Right size of improvements for future needs and optimized for interconnected conditions.
- Reliable estimation of costs at the planning stage for certainty at the time of receiving bids.
- Master planning, feasibility studies and concepts that will lead to success in design delivery.

### Our Approach:

- Modelling team with local experience addressing issues unique to the City. Consideration made for optimizing operation and improvements of interconnected hydraulics.
- Bring lessons learned into the planning stage to learn from and build on City experiences while incorporating the breadth of AECOM experience from similar work.
- Cost estimating performed by professional estimators from AECOM Design-Build group that engage in real world construction. This is heavily tied to the value engineering process for cost control.

### Benefits:

- Realistic hydraulic modeling of drinking water, wastewater collection and stormwater management systems that is reflective of the full range of conditions for planning, design, and improved operation.
- Accurate planning that builds on stakeholder engagement and end user feedback will lead to design and construction that efficiently meets the City's needs.
- Construction cost reliability along with O&M balanced cost control.



## Design and Construction Documents Development

Scope of Services Tasks: *Engineering, Design, Plans, Calculations, Specifications, Cost Estimating, Bid and Construction Documents, Design Review Workshops, and Public Education Presentations.*

### Requirements:

- Development of construction documents that is consistent with City standards of practice and provides clear direction to Contractors for bidding and completion of work.
- Designs that are of a high quality, incorporate stakeholder feedback, O&M requirements and meet long term performance requirements.

### Our Approach:

- Building on our lessons learned project kick-off we will implement the design work to a consistent standard that is heavily coordinated between design disciplines.
- If multiple projects are in design simultaneously, we have provisions for multiple tandem design teams and a coordinated technical advisory quality control process for consistency of design.
- Drafting and specifications will be based on City standards and supplemented as needed by AECOM standards
- To coordinate all design team members and facilitate digital information exchange with the City, cloud-based platforms (i.e. Teams, ProjectWise and BIM360) will be used that align with City workflow.

### Benefits:

- Design work is performed in an efficient, timely and cost-effective manner that ultimately produces high quality construction documents that can be quickly permitted and effectively constructed.
- O&M focused designs that address many of the current day to day operational challenges while preparing the pump stations for future conditions.





## Permitting Reviews, Approvals and Regulatory Coordination

Scope of Services Tasks: *Site Dependent Permitting, City Site Plan and Building Approval, Regulatory Agency Representation,*

### Requirements:

- Depending on the extent of the projects, new work and modification of existing systems a wide range of construction permits may be required at the City of Ft. Lauderdale, Broward County or State of FL level (I.e. City of Ft. Lauderdale Building Pre-Construction Permits, Site Plan Approvals, Broward County Health Department, etc.)
- For issues of regulatory compliance, changes to operating permits, or expansion of supply or injection well capacity, early engagement of Florida Department of Environmental Protection and associated agencies will be critical.

### Our Approach:

- Once the extent of the proposed improvements is identified, have pre-application discussions with the appropriate agencies to confirm what permit or approval may be required, and the expected duration of processing.
- Site Plan Approval applications would be submitted early in the design process.
- During the design process, prepare application forms, secure signatures, and application fees. With most permit applications being submitted prior to the final completion of plans.
- Maintain frequent communication with agencies to track processing of application and submit additional information if requested in a timely manner to avoid delays.

### Benefits:

- Early identification of permitting/approval issues will result in complete application submittals and reduce review and processing times.
- Efficient processing of permits and approvals results in meeting pre-construction schedules and timeframes for bidding the construction packages.



## Finalize Construction Documents → Bidding and Contractor Selection

Scope of Services Tasks: *Quality Reviews, Constructability Review, Bidding Documents, Pre-Construction Meetings, Bidding Support, Bid Evaluation*

### Requirements:

- Construction packages that are coordinated with City procurement staff and requirements.
- Clear and responsive communication with prospective bidders to obtain favourable bid results from qualified contractors.

### Our Approach:

- Early engagement with City procurement department to coordinate requirements. We will provide detailed presentation materials and presentation to potential bidders with clarity on critical issues.
- A structured bidding communications process with clear roles will facilitate timely response to bidder questions and issuance of any addendums such that the bidding process remains on schedule.
- In reviewing bids, we will verify qualifications of the bidders and comparison of the bids to our estimates, with final recommendations provided to the City accordingly.

### Benefits:

- Following established procurement protocol will keep the project in schedule at this stage with minimal addenda or delays.
- Best available bid pricing from qualified Contractors capable of performing this type of work.



## Construction Administration and Support → Commissioning, Startup and Training → Project Closeout and Documentation

Scope of Services Tasks: *Construction Administration and Inspections, Shop Drawing Review, Requests for Information, Review of Change Orders, Commissioning, As-builts*

### Requirements:

- Administration of the work in a manner that clearly documents progress, changes, schedule, quality and financial performance to maintain within defined project limits.
- Completion of the constructed work that meets City expectations of quality and performance for effective transition to end use operations and maintenance.

### Our Approach:

- Our primary tool to be effective is continual communication among Owner, Contractor and Engineer in a manner that is formally documented in a consistent and clear manner.
- Management of flows, traffic, access, and operation of infrastructure during construction will be addressed early with formal agreement and written plans identifying the role of Owner and Contractor at each stage of the work.
- Due to the complexity of some of the systems an emphasis will be placed on those in the commissioning, start-up, and training for O&M and end user staff.

### Benefits:

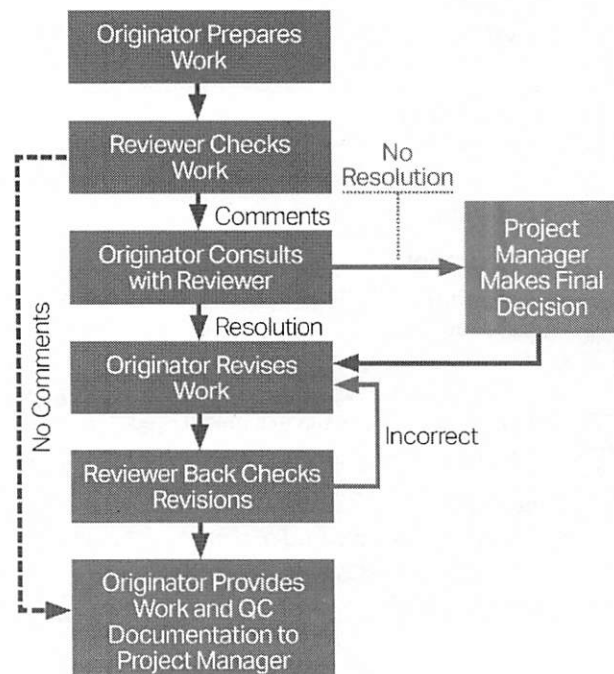
- The work and any maintenance of flows and access during construction will be coordinated well in advance to prevent service failure and facilitate timely completion.
- City O&M staff will be well prepared in advance to take control of the completed facilities.
- Project documentation and final closeout procedures will facilitate a rapid contract closeout after substantial completion as well as providing accurate as built and asset management register updates.

## Quality Management

Quality is an attitude, a culture, and a way of life at AECOM. It is part of everything we do, every day. Quality Assurance/Quality Control (QA/QC) is a system of procedures implemented on this project that consists of inspection and auditing, thereby enabling high standards of quality to be achieved and maintained. Our approach to quality followed the international standard for Quality Management Systems (QMS), ISO 9001. As one of the few ISO 9001-certified firms, AECOM developed our system to address the standard's requirements, and we confirm compliance through formal auditing and verification. Achieving an exceptional level of quality minimized the risk of errors and the need to do re-work.



## Quality Review Process



## Approach to Technical Issues

Building on our approach to your project delivery process, we understand there are specific technical challenges the City will need support with. Much of the City's needs are driven by aging infrastructure, with challenges compounded by coastal impacts. The design and construction of any improvements are further challenged by the density of existing underground utilities and surrounding development. Outlined here are several aspects of our team and approach in addressing these technical elements.



### Drinking Water Supply

*Biscayne Aquifer wellfield management is very specific to South Florida and requires hands-on experience.*

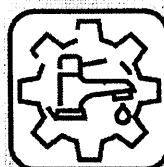
- **Key Issues:** Well capacity management and source water protection will focus on maintaining or improving quantity and quality of water supply with strong regulatory coordination.
- **Key Staff:** Michael Bennett, Chris Hill, Sheldon Barns, Steve Starke, Fernando Navarrete



### Drinking Water Treatment

*Technical leadership that includes lime-softening and nano-filtration throughout Florida.*

- **Key Issues:** Rehabilitation and renewal to maintain existing facilities in working order. Incorporating new technologies for process improvement, finished water quality, process optimization, and automation.
- **Key Staff:** Bill Snow, Will, Lovins, Chris Hill, Ira Brandell, William Overbeek



### Water Distribution

*Focused technical solutions and delivery on distribution system reliability and maintaining high quality water service to customers.*

- **Key Issues:** Maintaining water quality in distribution system with modern practices and digital modeling tools. Using risk-based assessment of condition and performance to prioritize needs.
- **Key Staff:** Roger Williams, Gustavo Silva, Reshma Thummadi
- **Key Issues:** Need for specific coastal approach that suites the specific local needs and challenges. Bring a comprehensive approach to addressing the

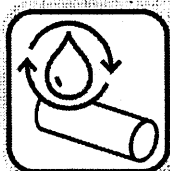


### Stormwater Management

*Protection of property, infrastructure, and life safety from stormwater to improve quality of life.*

community's civil infrastructure needs and co-benefits when constructing stormwater improvements.

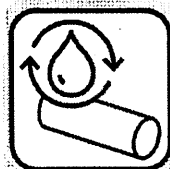
- **Key Staff:** Erik Alcantara, Erica Harris, John Carel, Erik Boyer, Robert Eustice, Fernando Navarrete



### Wastewater Conveyance

*Hydraulic capacity and condition-based reliability to reduce risk of overflows for regulatory compliance.*

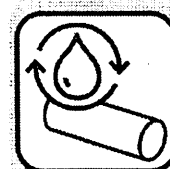
- **Key Issues:** Proactively address the impacts of inflow and infiltration that limit hydraulic capacity. Bring modern tools and approaches that cost effectively identify limiting factors and develop innovative solutions.
- **Key Staff:** Roger Williams, Gustavo Silva, Reshma Thummadi, Vaughn Hayduk



### Wastewater Treatment

*Reliability of treatment operations and capacity under all conditions to prevent risk of failure or spills.*

- **Key Issues:** Address the ongoing condition-based reliability through proactive replacement and repairs. Bring innovation to enhancing treatment capacity and operational optimization.
- **Key Staff:** Brian Stitt, Sheldon Barns, Jeremy Koch, Khalid Motiwala, Ira Brandell, William Overbeek



### Effluent Disposal

*As the limiting factor to WWTP disposal, well capacity and uptime is critically important to overall reliability.*

- **Key Issues:** Manage injection well capacity and proactively provide for well rehabilitation to prevent degradation. Collaborate with regulatory agencies to maintain compliance and provision for future needs.
- **Key Staff:** Michael Bennett, Brian Stitt, Sheldon Barns, Steve Starke, Fernando Navarrete.

## Staffing and Workload

Staffing of your projects is anticipated to be specific to the work type and tasks being performed. When developing a staffing plan for individuals delivering to the City the principal (Karen Brandon) is responsible for the allocation and dedication of resources. Our Project Manager Jeremy Koch will prepare the staffing plan based on the approved scope of work with the City and submit to Karen for final approval to begin the work. The process of formally dedicating the right staff allows us to meet the City's schedule, budget and quality expectations.

Although staff are currently engaged with other client delivery workload efforts, those **staff identified on the organization chart will have availability to immediately begin the work at the time of contracting.**

The anticipated allocation of staffing by category of work are as outlined below and already incorporated into our staff planning to allocate those resource for the City:

### Project Management and Task Leaders

**30 to 60** percent of project management and task leaders time is anticipated to be required on delivery of single specific projects. An increased percentage would be anticipated if delivering more than one project at a time.

### Engineering and Design Staff

**60 to 80** percent of a design engineer, drafter, modeller, or design staff's time would be required on delivery of single specific projects. Design staff are typically assigned to be dedicated to a single project at a time during the design stage of work with less involvement preceding and following.

### Technical Experts and Advisors

**10 to 30** percent of a technical expert or senior advisors time would be expected for most projects due to what is typically a targeted engagement for specific needs. This targeted engagement is cost effective for the City and allows our experts to assist on a wider range of efforts.

### Principal-in-Charge

**5 to 10** percent of the Principal-in-Charge time is anticipated, with this time focused on maintain project delivery to the City's expectations through the dedication and verification of staffing resources.

## Facilities, Technology and Resources

In addition to professional staffing our team brings unique physical and digital resources and tools to support the City in effective and innovative delivery.

### AECOM Ft. Lauderdale Office Space

Our Ft. Lauderdale office will be the primary hub for all our work delivered to the City. Specific to this office:

- Space for approximately 100 staff
- A 5-minute walk from the City offices
- Collaborative virtual and live meeting spaces
- Complete reproduction and project document center

### Geospatial and Remote Sensing Tools

Keith & Associates, Woolpert and AECOM bring state of the industry tools for geospatial data collection with aerial drones, laser scanning, LiDAR, ground penetrating radar, etc. These tools allow us to:

- Rapidly map above and below grade conditions
- Deliver highly accurate survey for designs
- 3D mapping and data for building information modeling (BIM)

### AECOM Technical Practice Network and Water Academy

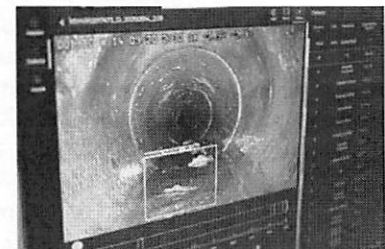
The AECOM Technical Practice Network is a digital collaboration



connects us globally with our breadth of resources and archival knowledge to bring our clients success. Our Water Academy provides the formal training to build our expertise in water and bring that knowledge to our clients.

### Advancing Artificial Intelligence

AECOM is leading the digital water industry initiative with tools such as **SEWER LOGIC** that is bringing artificial intelligence (AI) to automate the



processing of sewer CCTV data, identify defects, and prioritize needs <http://www.sewerlogic.com/>



# 6

## References



# 6References



We have included the following ten projects in our SF330 highlighting the similarities with the scope of work outlined for this project. As requested, we have provided three of those references/client contacts in this section. We encourage you to reach out to them for commentary on the quality of our work.

**Table 1. Featured Projects**

Project Name	Water Supply and Wells	Drinking Water Treatment	Stormwater Management	Water Distribution	Wastewater Conveyance	Wastewater Treatment	Effluent Injection Wells	Civil Works and Transportation
MDWASD General Engineering Services	●	●		●				
Historic Miramar Infrastructure Improvement Program			●	●	●			●
Collier County Professional Services MSA	●	●		●	●	●	●	
Cooper City General Engineering Services	●	●		●	●	●	●	
MDWASD Wastewater Priority Projects			●		●	●	●	●
Titusville Professional General Engineering Services	●	●		●	●	●	●	
Town of Lake Clarke Shores Professional Services	●		●	●	●			●
Boynton Beach Continuing Services	●	●	●	●				●
Miami Beach Flood Mitigation Consulting and Sea Level Rise, Resiliency Study			●					●
SFWMD Stormwater Treatment Area 1 West, Exp #2			●					●



## City of Titusville Department of Water Resources Master Services Agreement

**Year Completed:** Ongoing

**Total Cost of the Construction:**

**Estimated and Actual:**

**Estimated:** Various costs for multiple tasks under contract

**Actual:** Various costs for multiple tasks under contract

**Key Staff:** Vaughn Hayduk, Tim Curran, Will Lovins, Kurt Ahlgrim

**Client Contact:**

City of Titusville

Sean Stauffer

2836 Garden Street

Titusville, FL 32796

(321) 567-3855

sean.stauffer@titusville.com

### Similarities

- Master services agreement
- Water/wastewater plant improvements
- Hydraulic modelling
- Facilities planning
- State revolving loan funding support
- Force main design services



AECOM is providing professional services to the City of Titusville under a master services agreement since 2017. Multiple projects have been completed including the following:

**Wastewater Master Plan:** Hydraulic modeling was performed to identify capital improvements associated hydraulic capacity limitations and to reroute and rebalance flows between the two wastewater treatment facilities. Asset risk assessment was performed on the wastewater force main system to identify mains with a high risk of failure that should be further assessed and potentially replaced. A capital program identifying recommended condition assessment, lift station and force main upgrades was developed.

**Wastewater Facilities Plan and State Revolving Loan Fund Support:** Prepared a wastewater facilities plan to support the City's application for funds through the State Revolving Loan program. It included multiple wastewater projects to be completed over a five-year period to address aging infrastructure within the City's wastewater service area.

**Blue Heron Water Reclamation Facility Sludge Dewatering Improvements:** AECOM provided design, permitting and construction administration services for the installation of a mobile screw press for sludge dewatering at the facility. The mobile system can be utilized at either of the City's wastewater facilities.

**Facilities Planning:** AECOM completed facilities planning associated with building upgrades at the City's water resources department including a new administration building and emergency operations center. AECOM is currently providing planning services for additional City facilities including a new

City Hall, police station, fire station and public works building.

**Water Quality Master Plan:** AECOM identified necessary capital and operational improvements to the treatment and distribution systems. Implementation of the operational and monitoring protocols alleviated the water age issues and boosted chloramine levels throughout the system to levels adequate for controlling biogrowth from nitrification and exceeded regulatory requirements with high safety margins.

**Indian River Force Main Improvements:** Providing design, permitting and construction administration services for 9,000 LF of force main replacement along Indian River Drive. The project is being completed on a fast-track basis in response to a force main break that occurred on the force main.

**Water Treatment Plant Disinfection By-Product Formation Potential and CT upgrades:** AECOM provided a desk top evaluation of disinfection contact time to identify options for enhanced disinfection including new piping and other improvements that may be necessary to meet regulatory requirements related to disinfection. AECOM performed water quality sampling and testing to identify the chlorine demand and disinfection by-product (DBP) formation potential.

## Town of Lake Clarke Shores Professional Services

**Year Completed:** Ongoing

**Total Cost of the Construction**

**Estimated and Actual:**

**Estimated:** Various costs for multiple tasks under contract

**Actual:** Various costs for multiple tasks under contract

**Client Contact:**

Town of Lake Clarke Shores

Daniel Clark

1701 Barbados Road

Lake Clarke Shores, FL 33406

(561) 964-1515

dclark@lakeclarke.org

**Key Staff:** Karen Brandon, Sheldon Barnes, Amy Eason, Robert Eustice, Ira Brandell

### Similarities

- Wastewater pump station
- Permitting
- Modelling
- Survey and condition assessment
- construction phase services
- Detailed design



AECOM has provided services to the Town since 2003 for all its utility work. The Town of Lake Clarke Shores is responsible for water distribution and wastewater collection systems. Below is a partial list of the utility work we have provided the Town of Lake Clarke Shores:

**Sewer Rehabilitation.** Phase 1 and Phase 2 Sewer rehabilitation projects in the South Service area. Project consisted of approximately 20,000-feet of Cured in Place sewer pipe liners for clay piping, manhole rehabilitation and lift station upgrades. Phase 2 was a Community Development Block Grant project.

**Sewer Master Plan.** Developed a sewer master plan for the Town and commercial area along Forest Hill Boulevard. The Town's homes are currently on septic tank systems. The Master Plan compared a gravity system vs a vacuum sewer system. The Town was split into three service areas.

**Carandis Road/Mango Circle Water Main Extension Phases 1 and 2.** These two projects included a total of 1,865-feet of 8-inch PVC water main, fire hydrants, valves and residential water services. Work included Health department permitting and engineering services during construction and project closeout.

**Lawrence Road HDD Utility Relocation Project.** The project included relocation of approximately 500-feet of 6-inch sewer force main and two parallel 8-inch water mains (approximately 500-feet each) utilizing an HDD method. A new 8-inch HDPE force main and a new 12-inch HDPE water main, along with valves and appurtenances. Permitting included Health Department and Palm Beach County. Engineering services during construction and project closeout were also provided.

**Lift Station Upgrades.** Within the South Service Area; The project consisted of upgrades to seven (7) wastewater lift stations 1, 3, 5, 8, 10 11 and 12, in the Seminole Manor and Maralago Cay housing areas. The lift stations were standardized on one brand of pumps (Flygt) for ease of maintenance and spare parts. The project included upgrades to three phase and single-phase electrical panels; installing a VFD controller to convert single phase to three phases for the new pumps and motors on lift station 2; upgrading the pumps on lift station 6 and currently designing an upgrade to lift station 6 and 7 electrical panels and standardizing to PBCWUD electrical panel design.

Also designed and oversaw construction of the lift station at Auburn Park, a small development within the South Service Area which consisted of a 6 ft wet well, 15 feet deep with Flygt 35 gpm pumps. Added a new lift station wet well (8 ft diameter 21 feet deep), pumps (185 gpm) and electrical panel at the Town Hall to service the Forest Hill Boulevard Plaza, three Office Buildings and Dunkin Donuts.



*The construction work for Forest Hill Boulevard Area 1 Gravity Sewer Project.*



## Collier County Professional Services Master Services Agreement

### Year Completed: 2021

### Total Cost of the Construction

### Estimated and Actual:

**Estimated:** Various costs for multiple tasks under contract

**Actual:** \$4.3 million

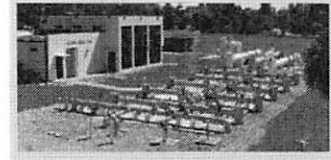
**Key Staff:** Dawn Jakiela, Will Lovins, Bill Overbeek, Ira Brandell, Khalid Motiwala, Roger Williams, Reshma Thummadi, David Wilcox

### Client Contact:

Collier County  
Craig J. Pajer, PE  
3299 Tamiami Trail East  
Naples, FL 34112  
(239) 252-2554  
craigpajer@colliergov.net

### Similarities

- Wastewater pump station/ lift stations
- Piping/valves
- Detailed design
- Modeling
- Construction phase services
- Permitting
- Met time and budget requirements



AECOM has served as a consultant to the Collier County Public Utilities Division since September 2005 under successive continuing services contracts. Since 2005, we have completed more than 100 task orders under the continuing service contracts. AECOM provided planning, design, permitting, and construction phase services on a wide range of projects, including:

- Henderson Creek Subdivision Water Distribution Improvements, Design and Construction: \$188K
- Duplex Pump Station Site Improvement Plans: \$97.5K
- Carica Pump Station Diesel Fuel Storage Tank Replacement, Design and Construction: \$104K
- West Wind Mobile Home Park Water Distribution Improvements, Design and Construction Services: \$299K
- NCRWTP Day Tank Replacement, Design and Construction Services: \$79K
- South County Regional WTP Reactor Tank #1 Inspection and Structural Evaluation: \$28K
- North County Water Reclamation Facility Clarifiers 2 & 3 Structural Evaluation: \$46K
- South County WRF Electrical Upgrade, Design and Construction: \$163K
- Northeast Service Area Hydraulic Modeling Master Plan: \$132K
- South County Regional WTP Reactor Tanks 2 & 3 Improvements, Planning, Design and Construction Services: \$99K
- North County Regional WTP PLC I/O Replacement Program, Phases 1 to 4, Design and Construction: \$711K
- Wastewater System Hydraulic Model Construction and Validation, Phases 1 and 2: \$146K
- ARV Replacement Program, Design, Bidding and Construction Services, Phases 1 to 3: \$405K
- Pelican Bay MPS 109 Upgrade, Planning and Design: \$160K
- North Wellfield I&C Improvements Program Phase 1, Design and Construction: \$120K
- Goodland Station Preliminary Assessment: \$97K
- MPS Flow Monitoring and Reporting: \$95K per year
- MPS 302 Hydraulic Modeling of South Service Area: \$95K per year
- Support Hydraulic Modeling for Interconnects: \$160K
- Emergency Generator RICE NESHA Compliance Evaluation, Study, Design, Bidding and Construction Phase Services: \$185.6M

## South Indian River Water Control District General Engineering Services

**Year Completed:** Ongoing

**Total Cost of the Construction**

**Estimated and Actual:**

**Estimated:** Various costs for multiple tasks under contract

**Actual:** Various costs for multiple tasks under contract

**Client Contact:**

South Indian River Water Control District

Michael Dillon

15600 Jupiter Farms Rd

Jupiter, FL 33478

(561) 747-0550

dillon@sirwcd.org

**Key Staff:** Peter May, Robert Eustice, Karen Brandon, Patrick Helms

### Similarities

- Design/civil engineering
- Flood & erosion control
- Structural design (water control structures)
- Paving/grading
- Canals and levees
- Drainage plans
- Environmental permitting



Since 1977, AECOM Technical Services, Inc., through LBFH, Inc, has served South Indian River Water Control District (SIRWCD) as District Engineer. SIRWCD consists of approximately 12,500 acres and is a special district authorized under Chapter 298 of the Florida Statutes. As District Engineer, AECOM provides consulting, advisory, design, planning, interagency coordination, permitting, bidding, contracting, and construction inspection services to the Board of Supervisors and staff on issues ranging from drainage improvements to large-scale subdivisions to water line distribution.

SIRWCD consists of approximately 12,500 acres and is a special district authorized under Chapter 298 of the Florida Statutes. As District Engineer, AECOM is providing, design, planning, permitting, and construction inspection services.

**The following is a list of capital improvement projects that have been completed and are currently under development under this contract:**

Project	Services-Plan design, permit, and construction services
7 <sup>th</sup> Plan of Reclamation	3.0 miles of dike; 13 miles of canal; 7 sheetpile weirs with control structures
8 <sup>th</sup> Plan of Reclamation	Master drainage system G-92 Structure; Canal improvements; 6 operable structures; 300 cfs pump station
Section 9 Improvements	Drainage, roadway, water & sewer – 99 acres of light industrial
Section 15 Improvements	250-acre residential area roadway systems, water & sewer

Project	Services-Plan design, permit, and construction services
10 <sup>th</sup> Plan of Improvements	4 miles of roadway improvements
11 <sup>th</sup> Plan of Improvements	1.7 miles of roadway improvements-asphalt/Palm Beach Co. Standards
12 <sup>th</sup> Plan of Improvements	16.1 miles of roadway improvements
13 <sup>th</sup> Plan of Improvements	Potable water improvements
14 <sup>th</sup> Plan of Improvements	13 miles of roadway improvements
15 <sup>th</sup> Plan of Improvements	2.1 miles of roadway improvements
16 <sup>th</sup> Plan of Improvements	5.5 miles of road improvements (4.0 miles asphalt)
17 <sup>th</sup> Plan of Improvements	1.9 miles of road improvements (1.5 miles asphalt)
18 <sup>th</sup> Plan of Improvements	3.8 miles of road improvements (asphalt)
19 <sup>th</sup> Plan of Improvements	2.4 miles of road improvements (asphalt)

# Minority/Women (M/WBE) Participation





# 7 Minority/Women (M/WBE) Participation



AECOM recognizes the important role small businesses play in our economy and believes in contributing to the communities in which we work.

We believe that small and diverse businesses bring innovation and expertise that assist AECOM in supporting our customers and their missions.

AECOM is not a minority owned firm; however, we are continuously seeking to identify new small and diverse firms to support our work across our markets. To facilitate the introduction of new small and diverse suppliers, AECOM engages in a robust outreach program to identify qualified and ethical firms. In addition to hosting outreach events, we take part in client and industry events that provide an opportunity for small and diverse firms to network and market their products and services to us.

Our reputation as an industry leader in the support of small and diverse firms can be seen in our participation in mentor-protégé and through the awards and commendations AECOM has received from governmental agencies and regional minority councils. AECOM has a long history of mentoring small and diverse firms and has received numerous awards for our efforts in the area of mentor-protégé.

**We have partnered with local M/WBE firms EAC Consulting, Inc., RADISE International, LC.**

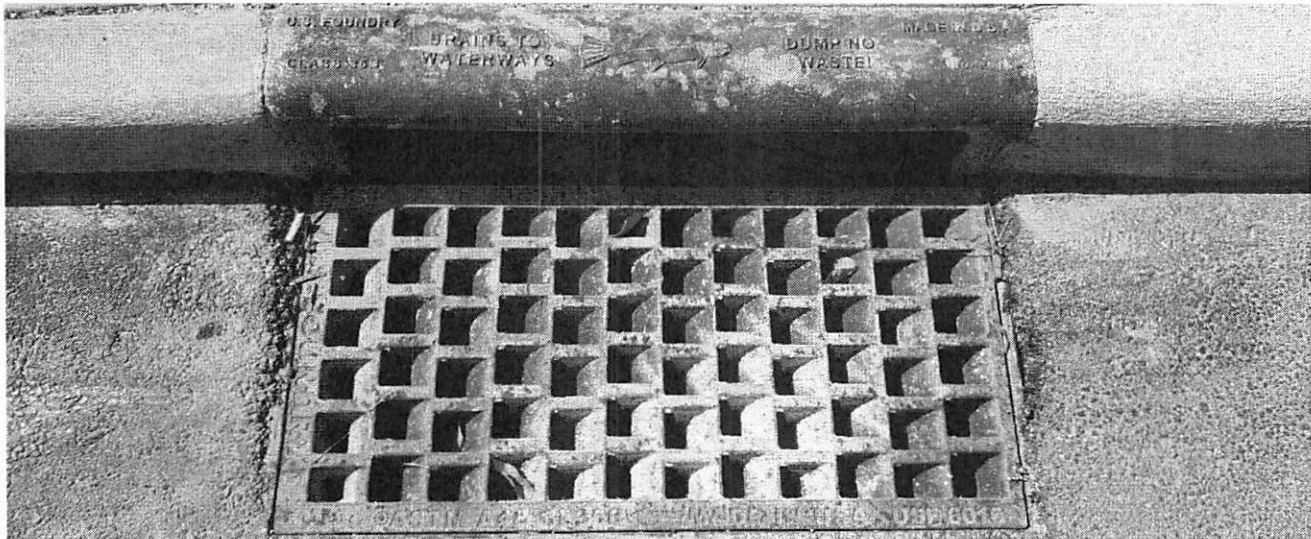




# Sub-consultants



# 8 Subconsultants



Our team brings vast experience with performing engineering and construction services, both locally and nationally.

As a large, full-service firm, we can self-perform all types of services in-house; however, we are fully committed to fostering and growing local firms' and investing in the local economy, as demonstrated by our teaming partners we have selected. We selected a local growing subconsultants that we are very familiar with and that the city is familiar with to provide specific support of services needed for this contract. Credentials of the committed firms are highlighted below.



## **EAC Consulting, Inc. (EAC)**

provides engineering consulting services for infrastructure improvement and development projects for both private and public sector clients. EAC's expertise, knowledge, understanding and experience in all facets of civil engineering ensures our ability to excel while providing the proposed and future infrastructure improvements required by the client. With offices throughout the State of Florida, EAC provides engineering services that include: Land Development, Civil Infrastructure Design, Water and Water Resources, as well as Transit/Public Transportation and Systems Engineering. EAC's services to toll agencies include: Highway and Bridge Design, Program Management, Construction Management, Tolling and Intelligent Transportation Systems (ITS), and Planning. Since its establishment, EAC has assembled a diverse team of dedicated engineers and other professionals who are committed to the goals of quality, client service and excellence.

With an overall staff strength of more than 100 professionals, all located in the State of Florida, EAC has had the opportunity to serve the needs of clients from South Florida up to the Pan Handle. While headquartered in Miami-Dade County, EAC staff also provide client services within the Fort Lauderdale, West Palm Beach and Orlando offices. **EAC makes client service a priority** – client relationships are the cornerstone of the firm's existence and will ensure repeat business. This is evident in that more than 75% of the firm workload is repeat business from existing clients. About 15% of the firm's workload is from clients that were referred by their existing clients. This characteristic also ensures that on assigned projects EAC's staff seek innovative solutions that bring value to their clients, whilst accomplishing two major tenets of successful projects – **Early Completion and Under Budget.**



**KEITH** was incorporated as a Florida corporation in 1998. As a mid-size close-knit firm of over 170 professionals,

KEITH provides surveying and mapping, subsurface utility engineering, planning, civil engineering, traffic engineering, landscape architecture, construction management, and virtual design and construction services.

The KEITH Team has completed and performed similar assignments for consulting service contracts which include numerous surveys for horizontal and vertical geodetic control surveys, construction layout and as-builts, topographic, digital terrain models (DTM), boundary determination, ALTA, trees and other special purposes for the preparation of maps, plats, sketches and legal descriptions. Data is collected using a wide variety of equipment from traditional levels and total stations, GPS units, static and Terrestrial Mobile LiDAR (TML) scanners and the Hydroner, a remote controlled boat used for hydrographic surveys. The final surveying and mapping deliverables are provided in AutoCAD or MicroStation files. KEITH will provide surveying services for this contract.



**RADISE International, LC** (RADISE) is a premier geotechnical and materials engineering and testing firm

servicing a broad spectrum of industries, and specializing in geotechnical engineering, construction materials testing, and inspection services for over 22 years. RADISE has extensive experience providing professional engineering services throughout South Florida and has continuing Geotechnical Engineering Services and Material Testing contracts with Broward, Palm Beach and Miami-Dade Counties, South Florida Water Management District, Florida Department of Transportation, The School Board of Palm Beach, Broward and Miami-Dade Counties, and the Cities of West Palm Beach, Lake Worth, Greenacres, Fort Lauderdale and Miami Beach.

RADISE has a state-of-the-art laboratory that is fully equipped for the testing of soils and other construction materials. Their laboratory is accredited by the Construction Materials Engineering Council (CMEC), approved by the Florida Department of Transportation (FDOT) and validated by the United States Army Corps of Engineers (USACOE). They have offices and Certified Laboratories in Miami, Ft. Lauderdale, Tampa, Jacksonville and Orlando.

RADISE holds minority certifications including State of Florida M/WBE; Palm Beach County M/WBE; Florida DOT DBE and South Florida Water Management District SBE. They will provide geotechnical services under this contract.



**Woolpert, Inc. (WPI)** founded in 1911, is a multi-discipline firm delivering consulting and design

services to clients who require architectural/engineering assistance, technology integration, or a combination of both. Specific services that Woolpert provides include architectural/engineering design, design-build, aviation design, energy solutions, sustainable design, planning, surveying, photogrammetry and mapping, remote sensing, information management, enterprise asset and maintenance management systems, geographic information systems (GIS), permitting, watershed management, water/wastewater mapping, condition assessment, design, analysis, and regulatory compliance.



## Required Forms

- a. Sample Insurance Certificate
- b. Non-Collusion Statement
- c. Non-Discrimination Certification Form
- d. E-Verify Affirmation Statement
- e. Contract Payment Method
- f. Bid/Proposal Certification List (if applicable)





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
03/31/2021

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

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

<b>PRODUCER</b> Marsh Risk & Insurance Services CA License #0437153 633 W. Fifth Street, Suite 1200 Los Angeles, CA 90071 Attn: LosAngeles.CertRequest@Marsh.Com CN101348564-STND-GAUE-21-22	<b>CONTACT NAME:</b> James Vogel	<b>FAX (A/C, No):</b> 212-948-0533	
	<b>PHONE (A/C, No, Ext):</b> 213-346-5098	<b>E-MAIL ADDRESS:</b> James.l.vogel@marsh.com	
<b>INSURED</b> AECOM 1999 Avenue of the Stars, Suite 2600 Los Angeles, CA 90067	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	INSURER A : ACE American Insurance Company		22667
	INSURER B : N/A		N/A
	INSURER C : Illinois Union Insurance Co		27960
	INSURER D : SEE ACORD 101		
	INSURER E :		
INSURER F :			

**COVERAGES****CERTIFICATE NUMBER:**

LOS-002541866-01

**REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		HDO G72486304	04/01/2021	04/01/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		ISA H25549211	04/01/2021	04/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
D	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A	SEE ACORD 101	04/01/2021	04/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
C	<input checked="" type="checkbox"/> ARCHITECTS & ENG. <input type="checkbox"/> PROFESSIONAL LIAB.		EON G21654693 005 "CLAIMS MADE"	04/01/2021	04/01/2022	Per Claim/Agg \$ 2,000,000 Defense Included

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

Contractors Pollution Liability, Carrier: AIG Specialty Insurance Company, NAIC #26883, Policy #: CPL 1814870, Policy Term: 04/01/2021 - 04/01/2022, "Claims Made," Defense Included, Limit: \$2,000,000 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 of Marsh Risk & Insurance Services James L. Vogel

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AGENCY CUSTOMER ID: CN101348564

LOC #: Los Angeles

**ADDITIONAL REMARKS SCHEDULE**Page 2 of 2

AGENCY Marsh Risk & Insurance Services		NAMED INSURED AECOM 1999 Avenue of the Stars, Suite 2600 Los Angeles, CA 90067
POLICY NUMBER		
CARRIER	NAIC CODE	
EFFECTIVE DATE:		

**ADDITIONAL REMARKS****THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** Certificate of Liability Insurance

Workers Compensation/Employer Liability cont.

Policy Number	Insurer	States Covered
WLR C67806025	Indemnity Insurance Company of North America - NAIC # 43575	AOS
WLR C67805987	ACE American Insurance Company - NAIC # 22667	CA, MA
SCF C67806104	ACE American Insurance Company - NAIC # 22667	WI Retro

**NON-COLLUSION STATEMENT:**

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

**NAME****RELATIONSHIPS**

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

  
Authorized Signature

Associate Vice President/Authorized Signatory  
Title

Karen D. Brandon  
Name (Printed)

Date 3/24/22

**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH  
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

  
Authorized Signature

Karen Brandon, Associate Vice President/Authorized Signatory  
Print Name and Title

Date 3/24/22



### E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: Bid 12637-421

Civil Engineering, Continuing Services  
Contract

Project Description: //

Contractor/Proposer/Bidder 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 Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder 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.

Contractor/Proposer/ Bidder Company Name: AECOM Technical Services, Inc.

Authorized Company Person's Signature: *Karen D. Brandon*

Authorized Company Person's Title: Associate Vice President/Authorized Signatory

Date: *3/24/22*

9/15/2020

## CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept these credit cards or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below you agree with these terms.

Please indicate which credit card payment you prefer:


☐ MasterCard

☒ Visa

AECOM Technical Services, Inc.  
Company Name

Karen D. Brandon, PE  
Name (Printed)

Date 3/24/22

  
Signature

Associate Vice President/Authorized Signatory  
Title

## Supplier Response Form

### BID/PROPOSAL CERTIFICATION

**Please Note:** It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through [www.BidSync.com](http://www.BidSync.com) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration) AECOM Technical Services, Inc. \* EIN (Optional): 95-2661922

Address: 110 East Broward Blvd., Suite 700 \*

City: Fort Lauderdale \* State: FL \* Zip: 33301 \*

Telephone No.: 561-962-2570 \* FAX No.: N/A \* Email: karen.brandon@aecom.com \*

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions):  

Total Bid Discount (section 1.05 of General Conditions):  

Check box if your firm qualifies for MBE / SBE / WBE (section 1.09 of General Conditions): ☐

**ADDENDUM ACKNOWLEDGEMENT** - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
<span style="border: 1px solid black; padding: 2px;">1</span> *	<span style="border: 1px solid black; padding: 2px;">3/11/2022</span> *	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>
<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">3/28/2022</span>	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>	<span style="border: 1px solid black; padding: 2px;"> </span>

**VARIANCES:** If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. **You must also click the "Take Exception" button.**

See attached Exceptions \*

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal.

I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this

bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Karen Brandon, PE \*

Name (printed)

*Karen Brandon* \*

Signature

03/28/2022 \*

Date

Associate Vice President \*

Title

Revised 4/28/2020

---

**Please enter your password below and click Save to save your response.**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

---

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

---

Username **debbie.williams@aecom.com**

Password

 \*

[Save](#) [Take Exception](#) [Close](#)

\* Required fields



## **Exceptions to RFQ**

AECOM Technical Services, Inc. ("ATS") has reviewed the City's Request for Qualifications for Civil Engineering, Continuing Services Contract (RFQ 12637-421). As a result, we have prepared the following general comments which identify specific terms that AECOM will want to negotiate prior to signing the Agreement with the City. AECOM believes it has captured the most significant issues; however, final review and negotiations of the resulting Agreement may identify other terms that require modification to properly interface with the terms negotiated below, or otherwise.

**Scope of Work:** ATS requests the opportunity to discuss clarifications and/or details depending upon the final scope in the resultant contract.

ATS agrees to assist the City in Contractor claims/litigation; however, it is assumed that does not include expert testimony unless related to Contractor's legal obligation to assist the City in defending a claim that arises out of Contractor's work product.

**Payment Terms:** Request adding the following to the payment section "City shall notify Consultant within ten (10) days of the receipt of the invoice of any disputed items. Such notice must be accompanied by a detailed description of any disputed items and include supporting documentation. If such notice is not provided within ten (10) days, City waives its rights to dispute the invoice."

**Standard of Care:** Request a clear standard of care be inserted into contract similar to the following: "Consultant will perform the services in accordance with standard industry practices, with the care, knowledge and skill expected of similar engineering firms. No other warranties, express or implied are made or intended."

**Insurance:** We see certain issues with some of the proposed insurance language and look forward to negotiating mutually terms if we are fortunate enough to be awarded the contract.

**Indemnity/Hold Harmless:** AECOM proposes the agreement include an indemnity that complies with Florida Statute 725.08 similar to "AECOM agrees to indemnify the City, its officers, directors and employees, from third party claims of loss or damage, exclusive of defense obligations, for bodily injury or property damage ("Claims"), to the proportional extent caused by AECOM's negligence or willful misconduct." In addition, we request the addition of Florida Statute 558 as follows: "IN ACCORDANCE WITH SECTION 558 ET SEQ OF THE FLORIDA STATUTES AND TO THE FULLEST EXTENT PERMITTED BY LAW, CITY ACKNOWLEDGES AND AGREES THAT NO INDIVIDUAL EMPLOYEE OR AGENT OF PROFESSIONAL SHALL BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE OCCURRING WITHIN THE SCOPE AND COURSE OF THIS AGREEMENT."

**Consequential Damages:** Request the contract contain a provision in which each party waives, on a reciprocal basis, the right to recover any consequential, indirect, incidental, special and related damages.

**Limitation on Liability:** Request discussion to reach a mutually agreeable limitation of liability for both parties.

**Termination:** Consultant should not be held liable for the accuracy or reliability of any partially completed work due to early termination.

**Ownership of Documents:** Request term stating that Consultant shall be entitled to rely upon the accuracy of data and information provided by Architect or Owner or others without independent review or evaluation.

**Reuse of Documents:** Request term stating that any reuse of Consultant prepared documents, except for the specific purpose intended hereunder, will be at the City's sole risk and without liability or legal exposure to Consultant or its subconsultants.

**Force Majeure:** ATS requests incorporation of a new Acts of God provision similar to: Neither Party shall be responsible for a delay or disruption in, or inability to provide its respective performance under this Agreement, other than a delay in payment for Services already performed, if such delay is caused by events or contingencies, existing or future, beyond the reasonable control of the claiming Party, including "acts of God," abnormal weather conditions or other natural catastrophes, war (whether declared or not), terrorism, sabotage, computer viruses, civil unrest, strikes, lockouts or other industrial disturbances, pandemics, epidemics, health emergencies, virus (e.g., SARS Cov-2), disease (e.g. COVID-19), plague, changes in law or regulations, quarantine, travel restrictions, discovery of hazardous materials, differing or unforeseeable site conditions, acts of governmental agencies or authorities (whether or not such acts are made in response to other Force Majeure Events), or any other events or circumstances not within the reasonable control of the party affected, whether or not of a similar kind or nature to any of the foregoing (a "Force Majeure Event"). The Party seeking application of this provision shall notify the other Party in writing promptly upon learning of the impact of the Force Majeure Event upon the notifying Party's performance of its obligations under this Agreement. Upon the occurrence of a Force Majeure Event, CONSULTANT shall be entitled to an equitable adjustment to the project schedule and compensation sufficient to compensate CONSULTANT for any increase in the time or costs necessary to perform the Services under this Agreement. Should a Force Majeure Event substantially prevent or be reasonably likely to substantially prevent CONSULTANT's performance of the Services for more than thirty (30) days, then CONSULTANT shall be entitled to terminate this Agreement without breach. In case of such termination, CONSULTANT shall be entitled to compensation for those Services performed as of the date of termination.

**Miscellaneous:**

- **Estimating Services** – request provision similar to the following be inserted into resulting contract: "Estimates, opinions of probable construction or implementation costs, financial evaluations, feasibility studies or economic analyses prepared by Consultant will represent its best judgment based on its experience and available information. The City recognizes that Consultant has no control over costs of labor, materials, equipment or services furnished by others or over market conditions or Consultants' methods of determining prices, and that any evaluation of a facility to be constructed or work to be performed is speculative. Accordingly, Consultant does not guaranty that proposals, bids or actual costs will not vary from opinions, evaluations or studies submitted by Consultant. Notwithstanding anything above to the contrary, in that event that all responsive and responsible bids exceed the final opinions of probable construction costs prepared by Consultant by more than ten percent (10%), the Consultant and City shall: (1) agree in writing to increase such opinion of probable costs; or (2) authorize negotiating or re-bidding of such work within a reasonable time; or (3) cooperatively review the overall scope of the project, the established guidelines and criteria of the project, the final plans and specifications of the project, and other construction documents and identify and mutually agree in writing to modify applicable parts of said scope, guidelines and criteria, plans and specifications, or other construction documents accordingly to effect the City obtaining a lowest priced bid which does not exceed the above mentioned Consultant 's final opinion of probable construction costs by more than ten percent (10%). If required, compensation for the Consultant 's services specific to action (1),

(2), or (3) above shall be included in the compensation amount agreed upon for the final design of the Project. The obligation to provide such services, if required, will be the limit of the Consultant's responsibility in this regard and Consultant shall be entitled to payment for all other services in accordance with this Agreement and will not otherwise be liable for damages attributable to the lowest proposal or bid exceeding the final opinion of probable construction costs. Any such modifications made by the Consultant shall not conflict with the functional or operational requirements established by the City for the project and set forth in the Agreement or Supplemental Agreement(s) or Change Order(s) issued thereto, nor shall any such modifications conflict with established rules, regulations, requirements or professional standards pertaining to the design, specifications or drawings prepared by the Consultant, nor shall such modifications adversely affect the safe use or operation of the constructed project.

- **Payment** - ATS would like to request invoice payment either by check or ACH payment, rather than via a credit card payment process.

**Additional Terms:** To the extent the City requires additional terms to the resultant agreement used as the basis for contract negotiations, we believe those changes should be subject to the parties' mutual agreement.



City of Fort Lauderdale • Procurement Services Division  
100 N. Andrews Avenue, 619 • Fort Lauderdale, Florida 33301  
954-828-5933 Fax 954-828-5576  
[purchase@fortlauderdale.gov](mailto:purchase@fortlauderdale.gov)

## ADDENDUM NO. 1

RFP/ ITB No 12637-421

ISSUED: 3/11/2022

This addendum is being issued to make the following change(s):

1. The city prefers form sf330 but use of the form is optional as long as all information on the form is provided. Form is now provided in the solicitation.
2. Local business preference form has been added.

All other terms, conditions, and specifications remain unchanged.

Mary Kleinpeter-Zamora  
Purchasing Administrator

Company Name: AECOM Technical Services, Inc.  
(please print)

Bidder's Signature: Karen D. Brandon

Date: 3/24/22





City of Fort Lauderdale • Procurement Services Division  
100 N. Andrews Avenue, 619 • Fort Lauderdale, Florida 33301  
954-828-5933 Fax 954-828-5576  
[purchase@fortlauderdale.gov](mailto:purchase@fortlauderdale.gov)

## **ADDENDUM NO. 2**

**RFP/ ITB No.**  
**TITLE: Civil Engineering services**

**ISSUED: March 28, 2022**

**This addendum is being issued to make the following change(s):**

- 1. The opening date has been changed to March 31, 2022.**

**All other terms, conditions, and specifications remain unchanged.**

**Mary Kleinpeter-Zamora**  
**Purchasing Administrator**

**Company Name:** AECOM Technical Services, Inc.  
(please print)

**Bidder's Signature:** Kher D. Brendon

**Date:** 03/29/2022

**Supplier Response Form**  
**LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT**

Section 2-186, Code of Ordinances of the City of Fort Lauderdale, (Ordinance No. C-17-26), provides for a local business preference.

In order to be considered for a local business preference, a bidder must include the Local Business Preference Certification Statement of this bid/proposal, as applicable to the local business preference class claimed at the time of bid submittal.

Upon formal request of the City, based on the application of a Local Business Preference, the Bidder shall, within ten (10) calendar days, submit the following documentation for the Local Business Preference Class claimed:

- a) Copy of City of Fort Lauderdale current year business tax receipt, or Broward County current year business tax receipt, and
- b) List of the names of all employees of the bidder and evidence of employees' residences within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the local business preference.

**THE COMPLETE LOCAL BUSINESS PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK:** [https://library.municode.com/fl/fort\\_lauderdale/codes/code\\_of\\_ordinances?nodeId=COOR\\_CH2AD\\_ARTVFI\\_DIV2PR\\_S2-186LOBUPR&showChanges=true](https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodeId=COOR_CH2AD_ARTVFI_DIV2PR_S2-186LOBUPR&showChanges=true)

**Definitions:** The term "Business" shall mean a person, firm, corporation or other business entity which is duly licensed and authorized to engage in a particular work in the State of Florida. Business shall be broken down into four (4) types of classes:

1. Class A Business – shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone and staffed with full-time employees within the limits of the City, and shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
2. Class B Business - shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, or shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
3. Class C Business - shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of Broward County.
4. Class D Business – shall mean any Business that does not qualify as either a Class A, Class B, or Class C business.

**LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT**

The Business identified below certifies that it qualifies for the local business preference classification as indicated herein, and further certifies and agrees that it will re-affirm its local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this bid/proposal. Violation of the foregoing provision may result in contract termination.

- |     |                                                   |                                                                                                                                                                                                                                                                                                                                                  |
|-----|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | (Business Name)                                   | is a <b>Class A Business</b> as defined in City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the City of Fort Lauderdale current year Business Tax Receipt <u>and</u> a complete list of full-time employees and evidence of their addresses shall be provided within ten (10) calendar days of a formal request by the City. |
| (2) | AECOM Technical Services, Inc.<br>(Business Name) | is a <b>Class B Business</b> as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the Business Tax Receipt <u>or</u> a complete list of full-time employees and evidence of their addresses shall be provided within ten (10) calendar days of a formal request by the City.                                   |
| (3) | (Business Name)                                   | is a <b>Class C Business</b> as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the Broward County Business Tax Receipt shall be provided within ten (10) calendar days of a formal request by the City.                                                                                                     |
| (4) | (Business Name)                                   | is a <b>Class D Business</b> as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186, and does not qualify for Local Preference consideration.                                                                                                                                                                               |
| (5) | (Business Name)                                   | requests a <b>Conditional Class A</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                       |
| (6) | (Business Name)                                   | requests a <b>Conditional Class B</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                       |

BIDDER'S COMPANY: AECOM Technical Services, Inc.

AUTHORIZED COMPANY PERSON: Karen Brandon, PE

PRINT NAME

*Karen D. Brandon*

SIGNATURE

3/24/22

DATE





---

**Please enter your password below and click Save to save your response.**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

---

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

---

Username **debbie.williams@aecom.com**

Password \*

[Save](#) [Take Exception](#) [Close](#)

\* Required fields



AECOM Technical Services, Inc. 213.593.8100 tel  
300 South Grand Avenue 213.593.8730 fax  
9th Floor  
Los Angeles, CA 90071  
www.aecom.com

## SECRETARY'S CERTIFICATE

### **AECOM TECHNICAL SERVICES, INC. a California corporation**

I, Armond Tatevossian, DO HEREBY CERTIFY that I am the duly elected and acting Secretary of AECOM Technical Services, Inc., a corporation organized under the laws of the State of California ("ATS" or "Corporation"), and the keeper of its records and corporate seal.

I FURTHER CERTIFY that ATS's full legal address is c/o CT Corporation System, 818 West 7th Street, Los Angeles, CA 90017-0000 and that the Corporation's principal place of business is 300 South Grand Avenue, 9th Floor, Los Angeles, California 90071.

I FURTHER CERTIFY that pursuant to the Written Consent of the Board of Directors of ATS, adopted on October 28, 2021, and attached hereto as Exhibit A, Karen Diane Brandon has signatory authority for ATS and is authorized to execute contracts and other documents on behalf of the Corporation.

IN WITNESS WHEREOF, I have subscribed my name and affixed the seal of the Corporation, this 25th day of March, 2022.

Armond Tatevossian  
Secretary



**Supplier Response Form**

# Not Applicable

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) PREFERENCE**

Section 2-185, Code of Ordinances of the City of Fort Lauderdale, provides for a disadvantaged business enterprise preference.

In order to be considered for a DBE Preference, a bidder must include a certification from a government agency, as applicable to the DBE Preference class claimed **at the time of bid submittal**.

Upon formal request of the City, based on the application of a DBE Preference the Bidder shall, within **ten (10)** calendar days, submit the following documentation to the DBE Class claimed:

- a) Copy of City of Fort Lauderdale current year business tax receipt, or Broward County current year business tax receipt, or State of Florida active registration **and/or**
- b) List of the names of all employees of the bidder and evidence of employees' residences within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the disadvantaged business enterprise preference.

**THE COMPLETE DBE PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK:** [https://library.municode.com/fl/fort\\_lauderdale/codes/code\\_of\\_ordinances?nodet=COOR\\_CH2AD\\_ARTVFI\\_DIV2PR\\_S2-185EQOPDIBUEN&showChanges=true](https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodet=COOR_CH2AD_ARTVFI_DIV2PR_S2-185EQOPDIBUEN&showChanges=true)

**Definitions**

- a. The term "disadvantaged class 1 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- b. The term "disadvantaged class 2 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the City with full-time employees and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- c. The term "disadvantaged class 3 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- d. The term "disadvantaged class 4 enterprise" shall mean any disadvantaged business enterprise that does not qualify as a Class 1, Class 2, or Class 3 business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

**DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT**

The Business identified below certifies that it qualifies for the disadvantaged business enterprise preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than **thirty (30)** calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

- |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | (Business Name) | is a disadvantaged <b>Class 1</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.           |
| (2) | (Business Name) | is a disadvantaged <b>Class 2</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the City with full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.                                                     |
| (3) | (Business Name) | is a disadvantaged <b>Class 3</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual. |
| (4) | (Business Name) | is a disadvantaged <b>Class 4</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class 1, Class 2, or Class 3 business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.                                                                                                                        |
| (5) | (Business Name) | requests a <b>Conditional Class 1</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                                                                                                                                                                                 |
| (6) | (Business Name) | requests a <b>Conditional Class 2</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                                                                                                                                                                                 |

BIDDER'S COMPANY: AECOM Technical Services, Inc.

AUTHORIZED  
COMPANY  
PERSON: Karen Brandon

PRINT NAME



SIGNATURE

03/24/2022

DATE

Forms Non-Iso – revised 7/2/2021

**Please enter your password below and click Save to update your response.**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.  
(See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

**Username** **debbie.williams@aecom.com**

**Password** \*

Save

Take Exception

Close

\* Required fields



## EXHIBIT A

### UNANIMOUS ACTION OF THE BOARD OF DIRECTORS OF AECOM TECHNICAL SERVICES, INC.

#### Excerpt

The undersigned, being all the members of the Board of Directors of AECOM TECHNICAL SERVICES, INC. (the "Corporation"), a California corporation, hereby take the following action:

**RESOLVED:** That, "the following U.S. based persons are designated with authority by the Board of Directors to execute contracts and other legal documents on behalf of the Corporation within the boundaries of specific Regions and Business Lines as noted and effective as of the dates set forth below:"

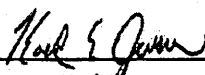
Effective October 28, 2021:

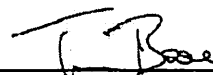
Last Name	First Name	Region	Area/Market Sector	Business Line
Brandon	Karen Diane	Southeast	Florida	Water

IN TESTIMONY WHEREOF, all the Directors have hereunto set their hands this 28<sup>th</sup> day of October, 2021.

  
Keenan Driscoll

  
Jeffrey Rosenstein

  
Karl Jensen

  
Travis Boone

#### About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a *Fortune* 500 firm and its Professional Services business had revenue of \$13.3 billion in fiscal year 2021. See how we are delivering sustainable legacies for generations to come at [aecom.com](http://aecom.com) and [@AECOM](https://www.instagram.com/aecom).



## **Solicitation 12637-421**

### **Civil Engineering services**

### **Bid Designation: Public**



**City of Fort Lauderdale**

## Bid 12637-421

### Civil Engineering services

Bid Number **12637-421**  
Bid Title **Civil Engineering services**

Bid Start Date **Feb 25, 2022 9:44:58 AM EST**  
Bid End Date **Mar 31, 2022 2:00:00 PM EDT**  
Question & Answer End Date **Mar 21, 2022 5:00:00 PM EDT**

Bid Contact **Mary K Kleinpeter-Zamora**  
**Procurement Administrator**  
**Finance**  
**954-828-5189**  
**mkleinpeter-zamora@fortlauderdale.gov**

Prices Good for **120 days**

**Bid Comments** The City of Fort Lauderdale (City) is seeking the services of qualified consulting firm(s) to provide professional services related to a continuing contract for civil engineering consultant services. The following is a list of services that may be required on an as-needed basis as requested by the City which will be authorized by individual Task Orders for individual projects. This list shall not be construed as an exclusive list of activities that successful firm(s) may be engaged in. The City shall have the right, in its sole and absolute discretion, to require additional services that are consistent with the scope of services and those activities typically performed by civil engineers, and for which the firm(s) are experienced, qualified and able to perform.

Water and wastewater engineering (specifically pipeline and lift-station design)  
Stormwater engineering  
Transportation engineering  
Structural engineering (specifically seawall, dock, and bridge design)  
Environmental engineering  
Surveying and mapping services  
Photogrammetry and remote sensing  
Geotechnical engineering  
Coastal engineering  
Water resources engineering  
Hydrology and hydraulic engineering  
Mechanical engineering  
Construction engineering and inspection

Note: Prices for services will be negotiated by the city and the selected consultants. No prices requested at this time.

Added on Mar 11, 2022:

Addendum 1 is dated March 11, 2022 and issued to provide form 330, local business preference certification form, and clarify the use of form 330 as optional.

Added on Mar 28, 2022:

Bid closing date changed to March 31, 2022.

#### Addendum # 1

New Documents Local Business Preference Certification 8/17/2021  
sf330.pdf



Addendum 1.pdf

**Addendum # 2**

New Documents: Addendum 2.pdf

Previous Bid Date: Mar 28, 2022 2:00:00 PM EDT

Bidding End Date: Mar 31, 2022 2:00:00 PM EDT

**Item Response Form**Item **12637-421-01-01 - Civil Engineering Services**Quantity **1 each**

Unit Price

Delivery Location **City of Fort Lauderdale**No Location Specified

Qty 1

**Description**

Civil Engineering Services

## Request for Qualifications

**RFQ # 12637-421**

### **Civil Engineering, Continuing Services Contract**

Pursuant to Section 287.055  
Consultants' Competitive Negotiation Act (CCNA)

## **City of Fort Lauderdale**



**Rares Petrica, PE  
Senior Project Manager**

**Mary Kay Kleinpeter-Zamora  
Procurement Administrator  
Telephone: 954)828-5189  
E-mail: [mkleinpeter-zamora@fortlauderdale.gov](mailto:mkleinpeter-zamora@fortlauderdale.gov)**

## SECTION I – INTRODUCTION AND INFORMATION

### 1.1 Purpose

The City of Fort Lauderdale, FL (City) is actively seeking qualified, experienced, and licensed firm(s) to provide Civil engineering services as further described in Section III – Scope of Services. Those firms which are interested in submitting proposals in response to this Request for Qualifications (RFQ) shall comply with Section IV– Submittal Requirements.

### 1.2 Bidsync

The City uses Bidsync ([www.bidsync.com](http://www.bidsync.com)) to administer the competitive solicitation process, including but not limited to soliciting bids, issuing addenda, posting results and issuing notification of an intended decision. There is no charge to register and download the RFQ from BidSync. Proposers are strongly encouraged to read the various vendor Guides and Tutorials available in BidSync well in advance of their intention of submitting a response to ensure familiarity with the use of BidSync. The City shall not be responsible for an offeror's inability to submit a response by the end date and time for any reason, including issues arising from the use of BidSync. There is no charge to proposers to register and participate in the solicitation process, nor will any fees be charged to the awarded proposer.

It is the sole responsibility of the proposer to ensure that its bid is submitted electronically through BidSync at [bidsync.com](http://bidsync.com) no later than the time and date specified in this solicitation. **PAPER BID SUBMITTALS WILL NOT BE ACCEPTED. BIDS MUST BE SUBMITTED ELECTRONICALLY VIA [bidsync.com](http://bidsync.com).**

### 1.3 Electronic Bid Openings

This solicitation will be opened electronically via [bidsync.com](http://bidsync.com) at the date and time indicated on the solicitation. All openings will be held on the [bidsync.com](http://bidsync.com) platform. Once the Procurement Specialist opens the solicitation, the bid tabulations (where applicable) may be viewed immediately on a computer, laptop, cell phone, or any other device with WiFi access. The opening may also be viewed in real time through a "Microsoft teams meeting" by using the following information:

## Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

+1 954-686-7296,,229751277# United States, Fort Lauderdale

Phone Conference ID: 229 751 277#

[Find a local number](#) | [Reset PIN](#)



This meeting is facilitated by the City of Fort Lauderdale. Meeting content may be subject to Florida Statute Chapter 119 concerning public records and subject to disclosure.

Anyone requesting assistance or having further inquiry in this matter must contact the Procurement Specialist indicated on the solicitation, via the Question and Answer (Q&A) forum on [bidsync.com](https://bidsync.com) before the Last Day for Questions indicated in the Solicitation.

**1.4** There will not be a pre-proposal meeting for this RFQ.

**1.5 Point of Contact**

City of Fort Lauderdale, Procurement Services Division  
Attn: Mary Kleinpeter-Zamora  
100 N. Andrews Avenue, 6<sup>th</sup> Floor  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-5189  
E-mail: [mkleinpeter-zamora@fortlauderdale.gov](mailto:mkleinpeter-zamora@fortlauderdale.gov)

For all inquiries concerning this RFQ, questions, and requests for additional information, please utilize the Q&A platform provided by BidSync at [bidsync.com](https://bidsync.com). Questions of a material nature must be received prior to the cut-off date specified in the RFQ.. Material changes, if any, to the scope of services or bidding procedures will only be transmitted by written addendum. (See addendum section of BidSync site). **Consultants please note:** Proposals shall be submitted as stated in PART IV – Submittal Requirements. No part of your proposal can be submitted via FAX. Submission of a proposal will be considered evidence that the Consultant has familiarized itself with the nature and extent of the work, and the equipment, materials, and labor required. The entire proposal must be submitted in accordance with all requirements contained in this solicitation. The questions and answers submitted in BidSync shall become part of any contract that is created from this RFQ.

**1.6 Debarred or Suspended Bidders or Proposers**

The proposer certifies, by submission of a response to this solicitation, that neither it nor its principals and sub-consultants are presently debarred or suspended by any Federal department or agency.

**1.7 Prohibition Against Contracting with Scrutinized Companies**

Subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), affirmed, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11th Cir. 2013), with regard to the "Cuba Amendment," the Contractor certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and that it does not have business operations in Cuba or Syria, as provided in Section 287.135, Florida Statutes (2021), as may be amended or revised. The Contractor certifies that it is not on the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2021), as may be amended or revised, and that it is not engaged in a boycott of Israel. The City may terminate this Agreement at the City's option if the Contractor is found to have submitted a false certification as provided under subsection (5) of Section 287.135, Florida Statutes (2021), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2021), as may be amended or revised, or is engaged in a boycott of Israel or has been engaged in business

operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2021), as may be amended or revised.

**END OF SECTION**



## **SECTION II – GENERAL TERMS AND CONDITIONS**

### **2.1 Addenda, Changes, and Interpretations**

It is the sole responsibility of each firm to notify the point of contact utilizing the Q&A forum provided by Bidsync and request modification or clarification of any ambiguity, conflict, discrepancy, omission or other error discovered in this competitive solicitation. Requests for clarification, modification, interpretation, or changes must be received prior to the Q&A deadline. Requests received after this date may not be addressed. Questions and requests for information that would not materially affect the scope of services to be performed or the solicitation process will be answered within the Q&A forum provided by Bidsync and shall be for clarification purposes only. Material changes, if any, to the scope of services or the solicitation process will only be transmitted by official written addendum issued by the City and uploaded to Bidsync as a separate addendum to the RFQ. Under no circumstances shall an oral explanation given by any City official, officer, staff, or agent be binding upon the City and should be disregarded. All addenda are a part of the competitive solicitation documents, and each firm will be bound by such addenda. It is the responsibility of each to read and comprehend all addenda issued.

### **2.2 Changes and Alterations**

Consultant may change or withdraw a proposal at any time prior to the proposal submission deadline; however, no oral modifications will be allowed. Modifications shall not be allowed following the proposal deadline.

### **2.3 Consultants' Costs**

The City shall not be liable for any costs incurred by consultants in responding to this RFQ, including costs incurred in connection with evaluation and award proceedings.

### **2.4 Mistakes**

The consultant shall examine this RFQ carefully. The submission of a proposal shall be prima facie evidence that the consultant has full knowledge of the scope, nature, and quality of the work to be performed; the detailed requirements of the specifications; and the conditions under which the work is to be performed. Ignorance of the requirements will not relieve the consultant from liability and obligations under the Agreement.

### **2.5 Acceptance of Responses/Minor Irregularities**

**2.5.1** The City reserves the right to accept or reject any or all responses, part of responses, and to waive minor irregularities or variances to specifications contained in responses which do not make the response conditional in nature, and minor irregularities in the solicitation process. A minor irregularity shall be a variation from the solicitation that does not affect the price of the contract or does not give a respondent an advantage or benefit not enjoyed by other respondents, does not adversely impact the interests of other firms or does not affect the fundamental fairness of the solicitation process. The City also reserves the right to reissue a Request for Qualifications.

**2.5.2** The City reserves the right to disqualify Consultant during any phase of the competitive solicitation process and terminate for cause any resulting contract upon evidence of collusion with intent to defraud or other illegal practices on the part of the Consultant.

### **2.6 Responsiveness**

In order to be considered responsive to the solicitation, the firm's response shall fully conform in all material respects to the solicitation and all of its requirements, including all form and substance.

**2.7 Responsibility**

In order to be considered as a responsible firm, firm shall be fully capable to meet all of the requirements of the solicitation and subsequent contract, must possess the full capability, including financial and technical, to perform as contractually required, and must be able to fully document the ability to provide good faith performance.

**2.8 Minimum Qualifications**

Firms shall be in the business of Civil Engineering and must possess sufficient financial support, equipment and organization to ensure that it can satisfactorily perform the services if awarded a contract. Firms must demonstrate that they, or the principals assigned to the project, have successfully provided services with similar magnitude to those specified in the scope of services to at least one city similar in size and complexity to the City of Fort Lauderdale or can demonstrate they have the experience with large scale private sector clients and the managerial and financial ability to successfully perform the work.

Firms shall satisfy each of the following requirements cited below. Failure to do so may result in the proposal being deemed non-responsive.

**2.8.1** Proposer or principals shall have relevant experience in Civil Engineering. Project manager assigned to the work must have experience in area of scope outlined in the RFQ and have served as project manager on similar projects.

**2.8.2** Before awarding a contract, the City reserves the right to require that a firm submit such evidence of its qualifications as the City may deem necessary. Further, the City may consider any evidence of the financial, technical, and other qualifications and abilities of a firm or principals, including previous experiences of same with the City and performance evaluation for services, in making the award in the best interest of the City.

**2.8.3** Firm or principals shall have no record of judgments, pending lawsuits against the City or criminal activities involving moral turpitude and not have any conflicts of interest that have not been waived by the City Commission.

**2.8.4** Neither Firm nor any principal, officer, or stockholder shall be in arrears or in default of any debt or contract involving the City, (as a party to a contract, or otherwise); nor have failed to perform faithfully on any previous contract with the City.

**2.8.5** Consultant(s) must be appropriately licensed and registered in the State of Florida in the required field of service.

**2.9 Lobbying Activities**

**ALL CONSULTANTS PLEASE NOTE:** Any consultant submitting a response to this solicitation must comply, if applicable, with City of Fort Lauderdale Ordinance No. C-11-42 & Resolution No. 07-101, Lobbying Activities. Copies of Ordinance No. C-11-42 and Resolution No. 07-101 may be obtained from the City Clerk's Office on the 7th Floor of City Hall, 100 N. Andrews Avenue, Fort Lauderdale, Florida. The Ordinance may also be viewed on the City's website at <https://www.fortlauderdale.gov/home/showdocument?id=6036>.

**2.10 Protest Procedure**

**2.10.1** Any proposer who is not recommended for award of a contract and who alleges a failure by the City to follow the City's Procurement Ordinance or any applicable law, may follow the

protest procedure as found in the City's Procurement Ordinance within five (5) days after a notice of intent to award is posted on the City's web site at the following link: <https://www.fortlauderdale.gov/government/departments-a-h/finance/procurement-services/notices-of-intent-to-award>.

**2.10.2** The complete Protest Ordinance may be found on the City's web site at the following link: [https://library.municode.com/fl/fort lauderdale/codes/code of ordinances?nodeId=COOR CH2AD ARTVFI DIV2PR S2-182DIREPRAWINAW](https://library.municode.com/fl/fort%20lauderdale/codes/code%20of%20ordinances?nodeId=COOR_CH2AD_ARTVFI_DIV2PR_S2-182DIREPRAWINAW)

## **2.11. Public Entity Crimes**

In accordance with the Public Crimes Act, Section 287.133, Florida Statutes (2021), as may be amended or revised, a person or affiliate who is a contractor, consultant or other provider, who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to the City, may not submit a bid on a contract with the City for the construction or repair of a public building or public work, may not submit bids on leases of real property to the City, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with the City, and may not transact any business with the City in excess of the threshold amount provided in Section 287.017, Florida Statutes (2021), as may be amended or revised, for category two purchases for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. Violation of this section by Contractor shall result in cancellation of the City purchase and may result in Contractor debarment.

## **2.12 Sub-Consultants**

**2.12.1** A Sub-Consultant is an individual or firm contracted by the Consultant or Consultant's firm to assist in the performance of services required under this RFQ. A Sub-Consultant shall be paid through Consultant or Consultant's firm and not paid directly by the City. Sub-Consultants are permitted by the City in the performance of the services pursuant to the Agreement. Consultant must clearly reflect in its proposal, the major Sub-Consultant(s) to be utilized in the performance of required services. The City retains the right to accept or reject any Sub-Consultant proposed in the response of Successful Consultant(s) or prior to contract execution. Any and all liabilities regarding the use of a Sub-Consultant shall be borne solely by the successful consultant and insurance for each Sub-Consultant must be maintained in good standing and approved by the City throughout the duration of the Contract. Neither Successful Consultant nor any of its Sub-Consultants is considered to be employees or agents of the City. Failure to list all Sub-Consultants and provide the required information may disqualify any proposed Sub-Consultant from performing work under this RFQ.

**2.12.2** Consultants shall include in their responses, the requested Sub-Consultant information and include all relevant information required of the Consultant. In addition, within five (5) working days after the identification of the award to the successful Consultant(s), the Consultant shall provide a list confirming the Sub-Consultant(s) that the successful Consultant intends to utilize in the Contract, if applicable. The list shall include, at a minimum, the name, and location of the place of business for each Sub-Consultant, the services Sub-Consultant will provide relative to any contract that may result from this RFQ, Sub-consultants' hourly rates or fees, any applicable licenses, insurance, references, ownership, and other information required of Consultant.

**2.13.1** Section 2-186, Code of Ordinances of the City of Fort Lauderdale, provides for a local business preference. In order to be considered for a local business preference, a proposer

must include the Local Business Preference Certification Statement of this RFQ, as applicable to the local business preference class claimed at the time of Proposal submittal:

Upon formal request of the City, based on the application of a Local Business Preference, the Proposer shall, within ten (10) calendar days, submit the following documentation to the Local Business Preference Class claimed:

- a. Copy of City of Fort Lauderdale current year business tax receipt, or Broward County current year business tax receipt, and
- b. List of the names of all employees of the proposer and evidence of employees' residence within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of proposal submittal shall result in the Proposer being found ineligible for the local business preference.

#### **2.13.2 Definitions**

- a. The term "Class A business" shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
- b. The term "Class B business" shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, or shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
- c. The term "Class C business" shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of Broward County.
- d. The term "Class D business" shall mean any business that does not qualify as a Class A, Class B, or Class C business.

The complete Local Business Preference ordinance may be found on the City's web site at the following link:

[https://library.municode.com/fl/fort lauderdale/codes/code of ordinances?nodeId=COOR CH2AD ART VFI DIV2PR S2-186LOBUPR](https://library.municode.com/fl/fort%20lauderdale/codes/code%20of%20ordinances?nodeId=COOR_CH2AD_ART_VFI_DIV2PR_S2-186LOBUPR)

#### **2.15 Insurance Requirements -**

As a condition precedent to the effectiveness of this Agreement, during the term of this Agreement and during any renewal or extension term of this Agreement, the Consultant, at its sole expense, shall provide

insurance of such types and with such terms and limits as noted below. Providing proof of and maintaining adequate insurance coverage are material obligations of the Consultant. The Consultant shall provide the City a certificate of insurance evidencing such coverage. The Consultant's insurance coverage shall be primary insurance for all applicable policies. The limits of coverage under each policy maintained by the Consultant shall not be interpreted as limiting the Consultant's liability and obligations under this Agreement. All insurance policies shall be through insurers authorized or eligible to write policies in the State of Florida and possess an A.M. Best rating of A-, VII or better, subject to approval by the City's Risk Manager.

The coverages, limits, and/or endorsements required herein protect the interests of the City, and these coverages, limits, and/or endorsements shall in no way be relied upon by the Consultant for assessing the extent or determining appropriate types and limits of coverage to protect the Consultant against any loss exposures, whether as a result of this Agreement or otherwise. The requirements contained herein, as well as the City's review or acknowledgement, are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Consultant under this Agreement.

The following insurance policies and coverages are required:

Commercial General Liability

Coverage must be afforded under a Commercial General Liability policy with limits not less than:

- \$1,000,000 each occurrence and \$2,000,000 aggregate for Bodily Injury, Property Damage, and Personal and Advertising Injury
- \$1,000,000 each occurrence and \$2,000,000 aggregate for Products and Completed Operations

Policy must include coverage for contractual liability and independent contractors.

The City, a Florida municipal corporation, its officials, employees, and volunteers are to be covered as an additional insured with a CG 20 26 04 13 Additional Insured – Designated Person or Organization Endorsement or similar endorsement providing equal or broader Additional Insured Coverage with respect to liability arising out of activities performed by or on behalf of the Consultant. The coverage shall contain no special limitation on the scope of protection afforded to the City, its officials, employees, and volunteers.

Professional Liability

Coverage must be afforded for Wrongful Acts in an amount not less than \$1,000,000 each claim and \$2,000,000 aggregate.

Consultant must keep the professional liability insurance in force until the third anniversary of expiration or early termination of this Agreement or the third anniversary of acceptance of work by the City, whichever is longer, which obligation shall survive expiration or early termination of this Agreement.

Business Automobile Liability

Coverage must be afforded for all Owned, Hired, Scheduled, and Non-Owned vehicles for Bodily Injury and Property Damage in an amount not less than \$1,000,000 combined single limit each accident.

If the Consultant does not own vehicles, the Consultant shall maintain coverage for Hired and Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

Workers' Compensation and Employer's Liability



Coverage must be afforded per Chapter 440, Florida Statutes. Any person or entity performing work for or on behalf of the City must provide Workers' Compensation insurance. Exceptions and exemptions will be allowed by the City's Risk Manager, if they are in accordance with Florida Statute.

The Consultant waives, and the Consultant shall ensure that the Consultant's insurance carrier waives, all subrogation rights against the City, its officials, employees, and volunteers for all losses or damages. The City requires the policy to be endorsed with WC 00 03 13 Waiver of our Right to Recover from Others or equivalent.

The Consultant must be in compliance with all applicable State and federal workers' compensation laws, including the U.S. Longshore Harbor Workers' Act and the Jones Act, if applicable.

#### Insurance Certificate Requirements

- a. The Consultant shall provide the City with valid Certificates of Insurance (binders are unacceptable) no later than ten (10) days prior to the start of work contemplated in this Agreement.
- b. The Consultant shall provide to the City a Certificate of Insurance having a thirty (30) day notice of cancellation; ten (10) days' notice if cancellation is for nonpayment of premium.
- c. In the event that the insurer is unable to accommodate the cancellation notice requirement, it shall be the responsibility of the Consultant to provide the proper notice. Such notification will be in writing by registered mail, return receipt requested, and addressed to the certificate holder.
- d. In the event the Agreement term or any surviving obligation of the Consultant following expiration or early termination of the Agreement goes beyond the expiration date of the insurance policy, the Consultant shall provide the City with an updated Certificate of Insurance no later than ten (10) days prior to the expiration of the insurance currently in effect. The City reserves the right to suspend the Agreement until this requirement is met.
- e. The Certificate of Insurance shall indicate whether coverage is provided under a claims-made or occurrence form. If any coverage is provided on a claims-made form, the Certificate of Insurance must show a retroactive date, which shall be the effective date of the initial contract or prior.
- f. The City shall be named as an Additional Insured on all liability policies, with the exception of Workers' Compensation.
- g. The City shall be granted a Waiver of Subrogation on the Consultant's Workers' Compensation insurance policy.
- h. The title of the Agreement, Bid/Contract number, event dates, or other identifying reference must be listed on the Certificate of Insurance.

#### The Certificate Holder should read as follows:

City of Fort Lauderdale  
100 N. Andrews Avenue  
Fort Lauderdale, FL 33301

The Consultant has the sole responsibility for all insurance premiums and shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, co-insurance penalty, or self-insured retention; including any loss not covered because of the operation of such deductible, co-insurance penalty, self-insured retention, or coverage exclusion or limitation. Any costs for adding the City as an Additional Insured shall be at the Consultant's expense.

If the Consultant's primary insurance policy/policies do not meet the minimum requirements, as set forth in this Agreement, the Consultant may provide evidence of an Umbrella/Excess insurance policy to comply with this requirement.

The Consultant's insurance coverage shall be primary insurance as respects to the City, a Florida municipal corporation, its officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, a Florida municipal corporation, its officials, employees, or volunteers shall be non-contributory.

Any exclusion or provision in any insurance policy maintained by the Consultant that excludes coverage required in this Agreement shall be deemed unacceptable and shall be considered breach of contract.

All required insurance policies must be maintained until the contract work has been accepted by the City, or until this Agreement is terminated, whichever is later. Any lapse in coverage shall be considered breach of contract. In addition, Consultant must provide to the City confirmation of coverage renewal via an updated certificate should any policies expire prior to the expiration of this Agreement. The City reserves the right to review, at any time, coverage forms and limits of Consultant's insurance policies.

The Consultant shall provide notice of any and all claims, accidents, and any other occurrences associated with this Agreement to the Consultant's insurance company or companies and the City's Risk Management office, as soon as practical.

It is the Consultant's responsibility to ensure that any and all of the Consultant's independent contractors and subcontractors comply with these insurance requirements. All coverages for independent contractors and subcontractors shall be subject to all of the applicable requirements stated herein. Any and all deficiencies are the responsibility of the Consultant.

**NOTE: CITY PROJECT NUMBER, PROJECT NAME AND BID NUMBER MUST APPEAR ON EACH CERTIFICATE, AND THE CITY OF FORTLAUDERDALE MUST BE NAMED ON THE CERTIFICATE AS AN "ADDITIONAL INSURED" ON GENERAL LIABILITY POLICIES.**

**A Sample Insurance Certificate shall be included with the proposal to demonstrate the firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the insurance companies' names for all required coverage, and the dollar amounts of the coverage.**

#### **2.16 Insurance – Sub-consultants**

Consultant shall require all of its sub-consultants to provide the aforementioned coverage as well as any other coverage that the consultant may consider necessary, and any deficiency in the coverage or policy limits of said sub-consultants will be the sole responsibility of the consultant.

#### **2.17 Award of Contract**

A Contract (the "Agreement") will be awarded in accordance with Florida Statutes, by the City Commission. The City reserves the right to execute or not execute, as applicable, a contract with the Consultant(s) that is determined to be in the City's best interests. The draft agreement is provided herein as an attachment to this RFQ. The City reserves the right to award a contract to more than one Consultant as is in the City's best interest.

#### **2.18 Modification of Services**

**2.18.1** While this contract is for services provided to the department referenced in this Request for Proposals, the City may require similar work for other City departments. Successful Proposer agrees to take on such work unless such work would not be considered reasonable or become an undue burden to the Successful Proposer.

**2.18.2** The City reserves the right to delete any portion of the work at any time without cause, and if such right is exercised by the City, the total fee shall be reduced in the same ratio as the estimated cost of the work deleted bears to the estimated cost of the work originally planned. If work has already been accomplished and approved by the City on any portion of a contract resulting from this RFQ, the Successful Proposer shall be paid for the work completed on the basis of the estimated percentage of completion of such portion to the total project cost.

**2.18.3** The City may require additional items or services of a similar nature, but not specifically listed in the contract. The Successful Proposer agrees to provide such items or services, and shall provide the City prices on such additional items or services. If the price(s) offered are not acceptable to the City, and the situation cannot be resolved to the satisfaction of the City, the City reserves the right to procure those items or services from other vendors, or to cancel the contract upon giving the Successful Proposer thirty (30) days written notice.

**2.18.4** If the Successful Proposer and the City agree on modifications or revisions to the task elements, after the City has approved work to begin on a particular task or project, and a budget has been established for that task or project, the Successful Proposer will submit a revised budget to the City for approval prior to proceeding with the work.

**2.19 No Exclusive Contract**

Proposer agrees and understands that the contract shall not be construed as an exclusive arrangement and further agrees that the City may, at any time, secure similar or identical services from another vendor at the City's sole option.

**2.20 Unauthorized Work**

The Successful Consultant(s) shall not begin work until a Contract has been awarded by the City Commission and a notice to proceed has been issued. Consultant(s) agree and understand that the issuance of a Purchase Order and/or Task Order shall be issued and provided to the Consultant(s) following Commission award.

**2.21 Contract Agreement**

Any subsequent contract will be subject to the Agreement included as an attachment and made a part of this RFQ.

**2.22 Contract Term**

The initial contract term shall commence upon final execution of the contract by the City and shall expire two (2) years from that date or the day after the current contract expires, whichever is later. The City reserves the right to extend the contract for two (2) additional two (2) year terms providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the City.

In the event services are scheduled to end because of the expiration of this contract, the Consultant shall continue the service upon the request of the City as authorized by the awarding authority. The extension period shall not extend for more than one hundred and eighty (180) days beyond the expiration date of the existing contract. The Consultant shall be compensated for the service at the rate in effect when this extension clause is invoked by the City.

By submitting a proposal, each firm is confirming that the firm has not been placed on the convicted vendors list as described in Florida Statute §287.133 (2) (a).

## **2.23 Payment Method**

The City shall make payment to the Contractor through utilization of the City's P-Card Program. The City has implemented a Purchasing Card (P-Card) Program utilizing the MasterCard and Visa networks. Purchases from this contract will be made utilizing the City's Purchasing Card. Consultant will receive payment from the purchasing card in the same manner as other credit card purchases.

Accordingly, Consultant must presently have the ability to accept these credit cards or take whatever steps necessary to implement the ability before the start of the contract term, or contract award by the City. All costs associated with the Consultant's participation in this purchasing program shall be borne by the Consultant. The City reserves the right to revise this program as necessary.

## **2.24 Payment Card Industry (PCI) Compliance**

Consultant agrees to comply with all applicable state, federal and international laws, as well as industry best practices, governing the collection, access, use, disclosure, safeguarding and destruction of Protected Information.

Consultant and/or any subconsultant that handles credit card data must be, and remain, PCI compliant under the current standards and will provide documentation confirming compliance upon request by the City of Fort Lauderdale, failure to produce documentation could result in termination of the contract.

## **2.25 Invoices/Payment**

Each invoice shall fully detail the related costs and shall specify the status of the particular task or project as of the date of the invoice with regard to the accepted schedule for that task or project. Payment will be made within forty-five (45) days after receipt of an invoice acceptable to the City, in accordance with the Florida Local Government Prompt Payment Act. If, at any time during the contract, the City shall not approve or accept the Consultant's work product, and agreement cannot be reached between the City and the Consultant to resolve the problem to the City's satisfaction, the City shall negotiate with the Consultant on a payment for the work completed and usable to the City.

## **2.26 Prohibition Against Contingent Fees**

The architect (or registered surveyor and mapper or professional engineer, as applicable) warrants that he or she has not and will not employ or retain any company or person, other than a bona fide employee working solely for the architect (or registered surveyor and mapper, or professional engineer, as applicable) to solicit or secure an agreement pursuant to this competitive solicitation and that he or she has not and will not pay or agree to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the architect (or registered surveyor and mapper or professional engineer, as applicable) any fee, commission, percentage, gift, or other consideration contingent upon or resulting from an award or making of an agreement pursuant to this competitive solicitation.

## **2.27 Indemnity/Hold Harmless Agreement**

The Consultant agrees to protect, defend, indemnify, and hold harmless the City and its officers, employees and agents from and against any and all losses, penalties, damages, settlements, claims, costs, charges for other expenses, or liabilities of every and any kind including attorney's fees, in connection with or arising directly or indirectly out of the work agreed to or performed by Consultant under the terms of any agreement that may arise due to the bidding process. Without

limiting the foregoing, any and all such claims, suits, or other actions relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged violations of any applicable statute, ordinance, administrative order, rule or regulation, or decree of any court shall be included in the indemnity hereunder.

#### **2.28 Substitution of Personnel**

It is the intention of the City that the Proposer's personnel proposed for the contract will be available for the contract term. In the event the Proposer wishes to substitute personnel, he shall propose personnel of equal or higher qualifications and all replacement personnel are subject to City approval. In the event substitute personnel are not satisfactory to the City and the matter cannot be resolved to the satisfaction of the City, the City reserves the right to cancel the Contract for cause. See Section 5.09 General Conditions.

In the event the Proposer wishes to substitute trained, qualified, personnel for those listed in the proposal, the City shall receive prior notification and have the right to review, test and approve such substitutions, if deemed necessary. If the City has reasonable evidence to believe that an employee of the Proposer is incompetent, or has performed his or her employment in an objectionable manner, the City shall have the right to require the Proposer to resolve the situation to the City's satisfaction, provided, however, that the Proposer shall not be required to institute or pursue to completion, any action if to do so would violate any law, state statute, City ordinance, contract or employment or union agreement.

#### **2.29 Ownership of Work**

The City shall have full ownership and the right to copyright, otherwise limit, reproduce, modify, sell, or use all of the work or product produced under this Contract without payment of any royalties or fees to the Consultant above the agreed hourly rates and related costs.

#### **2.30 Canadian Companies**

In the event Consultant is a corporation organized under the laws of any province of Canada or is a Canadian federal corporation, the City may enforce in the United States of America or in Canada or in both countries, a judgment entered against the Consultant. The Consultant waives any and all defenses to the City's enforcement in Canada, of a judgment entered by a court in the United States of America. All monetary amounts set forth in this Contract are in United States dollars.

#### **2.31 Instructions**

Careful attention must be given to all requested items contained in this RFQ. Proposers are invited to submit responses in accordance with the requirements of this RFQ. Please read the entire solicitation before submitting a proposal. Firms must provide a response to each requirement of the RFQ. Responses should be prepared in a concise manner with an emphasis on completeness and clarity. Firm's notes and comments may be rendered on an attachment, provided the same format of this RFQ text is followed. All responses shall be submitted electronically through Bidsync as stated in Section 4.1.

#### **2.32 Discrepancies, Errors and Omissions**



Any discrepancies, errors, or ambiguities in the RFQ or addenda should be reported in writing to the City's Procurement Services Division. Should it be necessary, a written addendum will be incorporated to the RFQ. The City will NOT be responsible for any oral instructions, clarifications, or other communications.

**END OF SECTION**

### **SECTION III - SCOPE OF SERVICES**

#### **3.1 Purpose**

The City is seeking the services of a qualified consulting firm(s) to provide Professional Services related to a continuing contract for Civil Engineering consultant services. The following is a list of services that may be required on an as-needed basis as requested by the City which will be authorized by individual Task Orders for individual projects. This list shall not be construed as an exclusive list of activities that successful firm(s) may be engaged in. City shall have the right, in its sole and absolute discretion, to require additional services that are consistent with the scope of services and those activities typically performed by architects, engineers, and surveyors pursuant to Section 287.055 Florida Statutes, and for which the firm(s) are experience, qualified, and able to perform:

#### **3.2 Scope of Services**

The City is seeking statements of qualifications from capable and qualified engineering firms in response to this RFQ for the purpose of providing Civil Engineering Consultant Services for a variety of unspecified projects through a continuing services contract. Associated services typically required for complete public works projects are expected to be fulfilled by the selected firms. Multiple firms will be selected for this continuing services agreement. The City encourages small firms (based upon the U.S. Small Business Administration size standards requirements) as well as large firms and Minority Business Enterprises to submit qualifications.

The selected firms will assist with the design and implementation of municipal engineering projects. It is the intent of the City to use the selected consultants on an as-needed basis. The specific scope of work and fee schedule for each work will be individually agreed upon by the City and the consultant. The selected consultants must be able to provide all the services required of any civil engineering project and associated planning services through its own staff or sub-consultants. The City reserves the right to award specific types of projects to firms with greater documented experience in the needed engineering specialty.

#### **3.3 Tasks**

The scope of services to be provided by the Consultant in the functional areas listed above shall include, but not be limited to, the following:

- a) Prepare engineering designs, calculations, plans and specifications, contract bid documents, and cost estimates, within the functional areas of interest listed in this solicitation..
- b) Prepare base maps, preliminary layouts, estimates of probable costs, engineering analysis and alternatives as requested.
- c) Submit construction documents as needed to the City and other required agencies having an interest or jurisdiction over the project.
- d) Review, analyze, and provide recommendations to utility budgets and capital improvement plans.
- e) Provide updates on changes or proposed changes to laws/regulations that may impact City's water resources and supply, treatment, distribution and storage, wastewater collection and treatment
- f) Update of the large user's replacement and renewal funding for the wastewater treatment plant.
- g) Update of the Capacity Analysis Report for the wastewater treatment plant.

- h) Perform flood routing software modelling.
- i) Prepare feasibility and conceptual planning documents.
- j) Provide research, attendance at meetings, and preparation of presentation materials, reports and correspondence.
- k) Prepare and/or assist with the preparation of grant applications and attendance at meetings with grant officials.
- l) Assist in the review and development of ordinances.
- m) Provide public education/notification assistance.
- n) Prepare short and long term planning documents, master plans, or provide input to the City's master plans, capital improvement program, and maintenance needs.
- o) Participate in construction administration as required by the City.
- p) Prepare formal or informal feasibility studies as necessary to assist the City in responding capital improvement needs.
- q) Analysis of existing infrastructure and available capacity to serve proposed capital improvement projects.
- r) Prepare legal descriptions, exhibits, and surveys.
- s) Provide expert witness testimony.
- t) Prepare appropriate permitting documents and obtain and/or assist the City in obtaining permits from applicable agencies.
- u) Represent the City with regulatory agencies.
- v) Prepare periodic project status reports.
- w) Prepare and furnish bidding documents and assist the City in the preparation of other related documents.
- x) Attend bid openings, prepare bid tabulation sheets, and assist the City in the evaluation of bids or proposals.
- y) Issue addenda as appropriate to clarify, correct, or change the bidding documents.
- z) Participate in pre-construction conference as requested by the City.
- aa) Review and determine acceptability of construction submittals, including shop drawings, progress schedule, schedule of values, etc.
- bb) Review and provide recommendations to request for information, request for changes, and claims to the City arising during construction activities.
- cc) Make periodic construction site visits for the purpose of determining general compliance with the approved drawings, plans, and specifications as requested by the City.
- dd) Review as-built drawings provided by the construction contractor and provide written comments to the City.
- ee) Provide services related to construction management and inspections, and/or specialty inspection.
- ff) Provide project management services and act as an extension of the City's project management staff for the design, bidding, and construction management of municipal projects.

The consultant or its sub consultants shall be familiar with different agency's permitting regulations and requirements and the City's design criteria, standards and specifications.

**3.4 Deliverables**

The City intends to contract with multiple firms. The total amount of compensation will be negotiated with the selected consultant. No minimum amount of work or compensation will be assured to the retained consultant(s). All work products become the property of the City. The City reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion.

**3.5 Schedule**

Consultant recognizes that **TIME IS OF THE ESSENCE**. The Work on each Task Order shall commence immediately upon the Consultants receipt of an executed Task Order.

**3.6 Background**

Incorporated on March 27, 1911, encompassing more than 33 square miles with a population of 176,000, Fort Lauderdale is the largest of Broward County's 31 municipalities and the eighth largest city in Florida. The City covers approximately 23,000 acres of highly urbanized neighborhoods, with much of its coastal area land area lying within the flood plain. The City is composed of several individual watershed areas ranging in size from 2,000 to 11,000 acres with low-lying topography and intersected by numerous canals and rivers.

**3.7 Water Supply**

The City of Fort Lauderdale obtains water from the Biscayne Aquifer via two (2) Well Fields. The Prospect Well Field supplies Fiveash Water Treatment Plant and the Peele Dixie Well Field supplies the Peele Dixie Membrane Plant.

**3.8 Water Treatment**

The City of Fort Lauderdale has two (2) Water Treatment Plants. The Fiveash Plant is a lime-softening plant that treats an average of 36 MGD and the Peele Dixie Plant is a nano-filtration plant that treats an average of 6 MGD.

**3.9 Water Distribution**

The City of Fort Lauderdale has approximately 780 miles of water mains, 16,000 valves, 5,500 fire hydrants, six (6) ground storage tanks, and one (1) elevated storage tank in the Water Distribution System. In addition, the City provides water for other municipalities in Broward County.

**3.10 Storm Water and Wastewater Collection and Storage**

The City of Fort Lauderdale operates and maintains a 330 mile wastewater collection system and a 127 mile storm water collection system serving 57,000 accounts within Fort Lauderdale, as well as several adjacent large user cities.

**3.11 Wastewater Treatment** The City of Fort Lauderdale operates a regional wastewater treatment plant (G. T. Lohmeyer) with a design treatment capability of 55.7 MGD serving Fort Lauderdale and other adjacent municipalities throughout Broward County.

**3.12 Effluent Disposal**

The City of Fort Lauderdale operates a deep well injection site consisting of five (5) wells for effluent disposal where effluent is pumped to approximately 3,500 feet below ground.

**3.13 Functional Areas of Interest**

The consultant shall identify in their response to this RFQ the functional areas for which it particularly wishes to specialize. Multiple firms will be selected, and multiple firms may be selected for more than one (1) functional area.

- a) Water and wastewater engineering (specifically pipeline and lift-station design)
- b) Stormwater engineering
- c) Transportation engineering
- d) Structural engineering (specifically seawall, dock, and bridge design)
- e) Environmental engineering
- f) Surveying and mapping services
- g) Photogrammetry and remote sensing
- h) Geotechnical engineering
- i) Coastal engineering
- j) Water resources engineering
- k) Hydrology and hydraulic engineering
- l) Mechanical engineering
- m) Construction engineering and inspection

The consultant or its sub consultants shall be familiar with different agency's permitting regulations and requirements and the City's design criteria, standards and specifications.

**3.14 Quality Assurance/Quality Control**

It is the intention of the City that the design consultant is held responsible for the quality control (QC) of their work and of its sub-consultants. All sub-consultant documents and submittals shall be submitted directly to the consultant for their independent QC review. The City shall only accept submittals for review and action from the consultant.

The consultant is responsible for the professional quality, technical accuracy and coordination of all pre-design services, designs, drawings, specifications, cost estimates and other services furnished by the consultant and their sub-consultants. It is the consultant's responsibility to independently and continually QC their plans, specifications, and all other project deliverables. Upon City request, the consultant shall provide the City with a marked up set of plans and specifications showing the consultant's QC review. The mark-ups submittals shall include the names of the consultant's staff that performed the QC review for each component or functional area (e.g., structures, roadway, drainage, etc.).

**3.15 Document Submittal Format**

All documents generated as a result of projects will become the property of the City of Fort Lauderdale. All projects documents shall be provided in a digital and hard copy format meeting all City of Fort Lauderdale format requirements. The project drawings shall be prepared in AutoCAD, in the version current to the City Engineering Division at the time that deliverables are due, and shall meet the requirements as set forth in the City's CADD specifications for project drawings current at the time of award of the project. Plot files shall also be prepared and submitted which meet the stated City standards.



## SECTION IV – SUBMITTAL REQUIREMENTS

### 4.1 Instructions

**4.1.1** The City uses BidSync (bidsync.com) to administer the competitive solicitation process, including but not limited to soliciting proposals, issuing addenda, responding to questions/requests for information. There is no charge to register and download the RFQ from BidSync. Proposers are strongly encouraged to read the various vendor Guides and Tutorials available in BidSync well in advance of their intention of submitting a proposal to ensure familiarity with the use of BidSync. The City shall not be responsible for a proposer's inability to submit a proposal by the end date and time for any reason, including issues arising from the use of BidSync.

All proposals must be submitted electronically.

**4.1.2** Careful attention must be given to all requested items contained in this RFQ. Consultants are invited to submit responses in accordance with the requirements of this RFQ. Please read entire solicitation before submitting a SOQ. Consultants must provide a response to each requirement of the RFQ. Responses should be prepared in a concise manner with an emphasis on completeness and clarity. Consultant's notes, exceptions, and comments may be rendered on an attachment, provided the same format of this RFQ text is followed

**4.1.3** All information submitted by proposer shall be typewritten or provided as otherwise instructed to in the RFQ. Proposers shall use and submit any applicable or required forms provided by the City and attach such to its response. Failure to use the forms may cause the response to be rejected and deemed non-responsive.

The proposer understands that the information contained in these proposal pages is to be relied upon by the City in awarding the proposed Agreement, and such information is warranted by the proposer to be true. The proposer agrees to furnish such additional information, prior to acceptance of any proposal, relating to the qualifications of the proposer, as may be required by the City.

**4.1.4** Proposals shall be submitted by an authorized representative of the firm. Proposals must be submitted in the business entity's name by the President, Partner, Officer or Representative authorized to contractually bind the business entity. Proposals shall include an attachment evidencing that the individual submitting the proposal, does in fact have the required authority stated herein.

**4.1.5** In the event of Contract award, all documentation produced as part of the Contract shall become the exclusive property of the City. The Proposer's response to the RFQ is a public record pursuant to Florida law, which is subject to disclosure by the City under the State of Florida Public Records Law, Florida Statutes Chapter 119.07 ("Public Records Law"). The City shall permit public access to all documents, papers, letters or other material submitted in connection with this RFQ and the Contract to be executed for this RFQ, subject to the provisions of Chapter 119.07 of the Florida Statutes.

Any language contained in the Proposer's response to the RFQ purporting to require confidentiality of any portion of the Proposer's response to the RFQ, except to the extent that certain information is in the City's opinion a Trade Secret pursuant to Florida law, shall be void. If a Proposer submits any documents or other information to the City which the Proposer claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 ("Public Records Laws"), the Proposer shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Proposer must specifically identify the exemption being claimed under Florida Statutes 119.07. The City shall be the final arbiter of whether any information contained in the Proposer's response to the RFQ constitutes a Trade Secret. The City's determination of whether an exemption applies shall be final, and the Proposer agrees to defend, indemnify, and hold harmless the City and the City's officers, employees, and agent, against any loss or damages incurred by any person or entity as a result of the City's treatment of records as public records. In addition, the proposer agrees to defend, indemnify, and hold harmless the City and the City's officers, employees, and agents, against any loss or damages incurred by any person or entity as a result of the City's treatment of records as exempt from disclosure or confidential. Proposals purporting to be subject to copyright protection in full or in part will be rejected. The proposer authorizes the City to publish, copy, and reproduce any and all documents submitted to the City bearing copyright symbols or otherwise purporting to be subject to copyright protection.

EXCEPT FOR CLEARLY MARKED PORTIONS THAT ARE BONA FIDE TRADE SECRETS PURSUANT TO FLORIDA LAW, DO NOT MARK YOUR RESPONSE TO THE SOLICITATION AS PROPRIETARY OR CONFIDENTIAL. DO NOT MARK YOUR RESPONSE TO THE SOLICITATION OR ANY PART THEREOF AS COPYRIGHTED.

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT. CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: (954-828-5002, [PRRCONTRACT@FORTLAUDERDALE.GOV](mailto:PRRCONTRACT@FORTLAUDERDALE.GOV), CITY CLERK'S OFFICE, 100 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301)**

Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.
2. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2021), as may be amended or revised, or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of this contract if the Contractor does not transfer the records to the City.
4. Upon completion of the Contract, transfer, at no cost, to the City all public records in possession of the Proposer or keep and maintain public records required by the City to perform the service. If the Proposer transfers all public records to the City upon

completion of this Contract, the Proposer shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Proposer keeps and maintains public records upon completion of this Contract, the Proposer shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

- 4.1.6** By submitting a response, Proposer is confirming that the firm has not been placed on the convicted vendors list as described in Section §287.133 (2) (a) Florida Statutes; that the only person(s), company or parties interested in the proposal as principals are named therein; that the proposal is made without collusion with any other person(s), company or parties submitting a proposal; that it is in all respects fair and in good faith, without collusion or fraud; and that the signer of the proposal has full authority to bind the firm.

#### **4.2 Contents of the Proposal**

The City deems certain documentation and information important in the determination of responsiveness and for the purpose of evaluating responses. Responses should seek to avoid information in excess of that requested, must be concise, and must specifically address the issues of this RFQ. The City prefers that responses be no more than 100 pages in one complete pdf document. The proposals should be organized, divided and indexed into the sections indicated herein. These are not inclusive of all the information that may be necessary to properly evaluate the response and meet the requirements of the scope of work and/or specifications. Additional documents and information should be provided as deemed appropriate by the respondent in response to specific requirements stated herein or through the RFQ.

**Note:** Do not include pricing - Compensation will be requested and considered only during the competitive negotiations process.

##### **4.2.1 Table of Contents**

The table of contents should outline in sequential order the major areas of the submittal, including enclosures. All pages should be consecutively numbered and correspond to the Table of Contents.

##### **4.2.2 Executive Summary**

Each offeror must submit an executive summary that identifies the business entity, its background, main office(s), and office location that will service this contract. Identify the officers, principals, supervisory staff and key individuals who will be directly involved with the work and their office locations. The executive summary should also summarize the key elements of the proposal.

##### **4.2.3 Firm Qualifications and Experience**

Respondents must provide documentation that demonstrates their ability to satisfy all of the minimum qualification requirements. A Standard Form 330 may be used to provide this information. Indicate the firm's number of years of experience in providing the professional services as it relates to the work contemplated. Provide details of past projects for agencies of similar size and scope, including information on your firm's ability to meet time and budget requirements. Indicate the firm's initiatives towards its own sustainable business practices that demonstrate a commitment to conservation. Indicate business structure, i.e. Corp., Partnership, LLC. Firm should be registered as a legal entity in the State of Florida; Minority

or Woman owned Business (if applicable); company address, phone number, fax number, e-mail address, web site, contact person(s), etc. Relative size of the firm, including management, technical and support staff; licenses and any other pertinent information shall be submitted.

Provide a comprehensive summary of the experience and qualifications of the individual(s) who will be selected to serve as the project manager(s) for the City.

#### **4.2.4 Qualifications of the Project Team**

List the members of the project team (on a **Standard Form 330** if you choose). Provide a list of the personnel to be used on each project and their qualifications. Providing this information on an organizational chart is recommended. A brief resume including education, experience, licenses and any other pertinent information shall be included for each team member, including sub-consultants to be assigned to each project. Explain how each project team member will contribute to the project, in what capacity, and the level of involvement they will have. Each resume should not exceed two (2) pages in length. Provide any other documentation that demonstrates their ability to satisfy all of the minimum qualification requirements. Submittals that do not contain such documentation may be deemed non-responsive.

#### **4.2.5 Approach to Scope of Work**

Provide in concise narrative form, your understanding of the City's needs, goals and objectives as they relate to the project, and your overall approach to accomplishing the project. Give an overview on your proposed vision, ideas and methodology. Describe your proposed approach to the project. As part of the project approach, the firm shall propose a scheduling methodology (timeline) for effectively managing and executing the work in the optimum time. Also provide information on your firm's current workload and how this project will fit into your workload. Describe available facilities, technological capabilities and other available resources you offer for the project.

#### **4.2.6 References**

Provide at least three references, preferably government agencies, for projects with similar scope as listed in this RFQ. Information should include:

- Client Name, address, contact person telephone and e-mail address (E-mail will be primary means of contact).
- Description of work.(types of projects)
- Year the project was completed.
- Total cost of the construction, estimated and actual.

**Note:** Do not simply include City of Fort Lauderdale work or staff as references to demonstrate your capabilities. The Committee is interested in work experience and references other than the City as well.

#### **4.2.7 Minority/Women (M/WBE) Participation**

If your firm is a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985, provide copies of your certification(s). If your firm is not a certified M/WBE, describe your company's previous efforts, as well as planned efforts in meeting M/WBE procurement goals under Florida Statutes 287.09451.

**4.2.8 Sub-consultants**

Consultant must clearly identify any sub-consultants that may be utilized during the term of this contract.

**4.2.9 Required Forms****a. Sample Insurance Certificate**

Demonstrate your firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the Insurance Companies' names for both Professional Liability and General Liability, and the dollar amounts of the coverage.

**b. Non-Collusion Statement**

This form is to be completed, if applicable, and inserted in this section.

**c. Non-Discrimination Certification Form****d. E-Verify Affirmation Statement****e. Contract Payment Method**

This form must be completed and returned with your proposal. Proposers must presently have the ability to accept these credit cards or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

**f. Bid/Proposal Certification**

Complete and attach the Certification

**4.3** By submitting a proposal, each firm is confirming that the firm has not been placed on the convicted vendors list as described in Section §287.133 (2) (a) Florida Statutes.

**4.4** Before awarding a contract, the City reserves the right to require that a firm submit such evidence of its qualifications as the City may deem necessary. Further, the City may consider any evidence of the financial, technical, and other qualifications and abilities of a firm or principals, including previous experiences of same with the City and performance evaluation for services, in making the award in the best interest of the City.

**END OF SECTION**



## **SECTION V - EVALUATION AND AWARD**

### **5.1 Evaluation Procedure**

- 5.1.1** Evaluation of the submittals will be conducted by an Evaluation Committee, consisting of a minimum of three members of City Staff, or other persons selected by the City Manager or designee. All committee members must be present at scheduled evaluation meetings. Submittals shall be evaluated based upon the information and references contained in the proposals as submitted. Evaluation procedures shall be regulated by F.S. § 287.055, referred to as Consultant's Competitive Negotiations Act (CCNA). Any firm(s) involved in a joint venture in its proposal will be evaluated individually, as each firm of the joint venture would have to stand on its own merits.
- 5.1.2** The Committee shall short list no less than three (3) submittals, assuming that three or more submittals have been received, that it deems best satisfy the weighted criteria set forth herein and attempt to select the best qualified firm(s) for the particular discipline. The Committee shall then hold discussions, conduct interviews, and/or require oral presentations with all short-listed firms. The Committee shall then re-rank the short-listed firms based upon the information provided in interviews and/or presentations, the materials presented, the firm's responses to the RFQ, and deliberations of the Evaluation Committee at publicly advertised evaluation meetings. The City may request, and the firm shall provide, additional information deemed necessary by the Evaluation Committee to conduct evaluations.
- 5.1.3** If the City Manager or his/her designee is unable to negotiate a satisfactory contract with the first ranked firm, negotiations with that firm shall be formally terminated. Upon termination of said negotiations, negotiations shall then be undertaken with the second ranked firm, with this process being repeated until an agreement is reached which is then recommended and formally approved by the City Commission or until the short-list is exhausted in which case a new Request for Qualifications may be undertaken.

### **5.2 Evaluation Criteria**

- 5.2.1** Per Florida Statute 287.055, in determining whether a firm is qualified, the agency shall consider such factors as the ability of professional personnel; whether a firm is a certified minority business enterprise; past performance; willingness to meet time and budget requirements; location; recent, current, and projected workloads of the firms; and the volume of work previously awarded to each firm by the agency, with the object of effecting an equitable distribution of contracts among qualified firms, provided such distribution does not violate the principle of selection of the most highly qualified firms. The agency may request, accept, and consider proposals for the compensation to be paid under the contract only during competitive negotiations.
- 5.2.2** The City uses a mathematical formula to determine the scoring for each individual responsive and responsible firm based on the weighted criteria stated herein. Each evaluation committee member will rank each firm by criteria, giving their first ranked firm as number 1, the second ranked firm a number 2, and so on. The City shall average the ranking for each criterion, for all evaluation committee members, and then multiply that average ranking by the weighted criteria identified herein. The lowest average final ranking score will determine the recommendation by the evaluation committee to the City Manager.

### 5.2.3 Weighted Criteria

Criteria	Percentage
Firm Qualifications and Experience	35
Project Team Experience and Qualifications	35
Methodology and Approach to Scope of Work	30

Total 100

#### **Firm Qualifications and Experience (35%)**

Respondents should submit a complete Standard Form 330 and provide any other documentation that demonstrates their ability to satisfy all of the minimum qualification requirements. Indicate the firm's number of years of experience in providing the professional services as it relates to the work contemplated. Provide details of past projects for agencies of similar size and scope, including information on your firm's ability to meet time and budget requirements. Indicate the firm's initiatives towards its own sustainable business practices that demonstrate a commitment to conservation. Indicate business structure, IE: Corp., Partnership, LLC. Firm should be registered as a legal entity in the State of Florida; Minority or Woman owned Business (if applicable); Company address, phone number, fax number, E-Mail address, web site, contact person(s), etc. Relative size of the firm, including management, technical and support staff; licenses and any other pertinent information shall be submitted.

#### **Project Team Experience and Qualifications (35%)**

List the members of the project team on Standard Form 330. Include a list of personnel and title on an organizational chart. Identify the personnel to be used on each project and their qualifications. A brief resume including education, experience, licenses and any other pertinent information shall be included for each team member, for each project, including subconsultant to be assigned to each project. This section shall also include details of how each project team member will contribute to the project, in what capacity, and the level of involvement they will have. Submittals that do not contain such documentation may be deemed non-responsive.

#### **Methodology and Approach to Scope of Work (30%)**

Provide in concise narrative form, your understanding of the City's needs, goals and objectives as they relate to the work contemplated, and your overall approach to accomplishing such work. Give an overview on your proposed vision, ideas and methodology. Describe your proposed approach to the work. As part of the approach, the firm shall propose a scheduling methodology (time line) for effectively managing and executing the work in the optimum time. Also provide information on your firm's current workload and how this project will fit into your workload. Describe available facilities, technological capabilities and other available resources you offer for the contemplated work. The firm must show that they are familiar with the City's policies, procedures, and design requirements as well as those of other agencies such as FDOT, FDEP, SFWMD, and Broward County.

### 5.3 Contract Award

- 5.3.1** The City reserves the right to award a contract to that Consultant who will best serve the interest of the City. The City reserves the right, based upon its deliberations and in its opinion, to accept or reject any or all submittals. The City also reserves the right to waive minor irregularities or variations of the submittal requirements and RFQ process.

- 5.3.2** Upon award of a contract by the City Commission, the City Manager is authorized to execute the Contract on behalf of the City.
- 5.3.3** The City Manager shall appoint a contract administrator or project manager for each contract to assure compliance with the contract and applicable law. The contract administrator or project manager shall review all pay requests or deny same as required prior to approval by the City Manager.
- 5.3.4** The Project Manager is hereby designated by the City as Rares Petrica, PE, whose address is 101 NE 3 Ave, Suite 1101 NE 3 Ave, Suite 1410, Fort Lauderdale, FL 33301, telephone number: (954) 828-6720, and email address is [rpetrica@fortlauderdale.gov](mailto:rpetrica@fortlauderdale.gov). The Project Manager will assume all duties and responsibilities and will have the rights and authorities assigned to the Project Manager in the Contract Documents in connection with completion of the Work in accordance with this Agreement.

END

**AGREEMENT**

between

**City of Fort Lauderdale**

and

**company name**

for

**title**

**RFQ No.** \_\_\_\_\_

## AGREEMENT

THIS IS AN AGREEMENT made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2021, by and between:

CITY OF FORT LAUDERDALE, a Florida municipality, (hereinafter referred to as "CITY")

and

\_\_\_\_\_, a Florida Corporation  
(hereinafter referred to as "CONSULTANT")

WHEREAS, the City Commission of the City of Fort Lauderdale, Florida at its meeting of \_\_\_\_\_, 2021 authorized by motion the execution of this Agreement between CONSULTANT and CITY authorizing the performance of \_\_\_\_\_, RFQ No. \_\_\_\_\_, incorporated herein, (the "Agreement"); and

WHEREAS, the CONSULTANT is willing and able to render professional services for such project for the compensation and on the terms hereinafter set forth;

NOW, THEREFORE, in consideration of the mutual covenants, agreements, terms, and conditions contained herein, the Parties hereto, do agree as follows:

### ARTICLE 1 DEFINITIONS AND IDENTIFICATIONS

For the purposes of this Agreement and the various covenants, conditions, terms and provisions which follow, the DEFINITIONS and IDENTIFICATIONS set forth below are assumed to be true and correct and are therefore agreed upon by the Parties.

- 1.1 AGREEMENT: Means this document between the CITY and CONSULTANT dated \_\_\_\_\_, and any duly authorized and executed Amendments to Agreement.
- 1.2 BASIC SERVICES: Services performed by CONSULTANT for authorized scope of work for the Project phase described in this Agreement and listed in Exhibit "A," Scope of Services.
- 1.3 CONSULTANT'S PERIODIC ESTIMATE FOR PAYMENT: A statement by CONSULTANT based on observations at the site and on review of documentation submitted by the Contractor that by its issuance recommends that CITY pay identified amounts to the Contractor for services performed by the Contractor at the Project.



- 1.4 **CHANGE ORDER**: A written order to the CONSULTANT approved by the CITY authorizing a revision of this agreement between the CITY and CONSULTANT that is directly related to the original scope of work or an adjustment in the original contract price or the contract time directly related to the original scope of work, issued on or after the effective date of this Agreement.

The CONSULTANT may review and make recommendations to the CITY on any proposed Change Orders, for approval or other appropriate action by the CITY.

- 1.5 **CITY**: The City of Fort Lauderdale, a Florida municipality.
- 1.6 **CITY MANAGER**: The City Manager of the City of Fort Lauderdale, Florida.
- 1.7 **COMMISSION**: The City Commission of the City of Fort Lauderdale, Florida, which is the governing body of the CITY government.
- 1.8 **CONSTRUCTION COST**: The total construction cost to CITY of all elements of the Project designed or specified by CONSULTANT.
- 1.9 **CONSTRUCTION COST LIMIT**: A maximum construction cost limit established by the CITY defining the maximum budget amount to which the final construction documents should be designed so as not to exceed.
- 1.10 **CONSTRUCTION DOCUMENTS**: Those working drawings and specifications and other writings setting forth in detail and prescribing the work to be done, the materials, workmanship and other requirements for construction of the entire Project, including any bidding information.
- 1.11 **CONSULTANT**: \_\_\_\_\_, the CONSULTANT selected to perform professional services pursuant to this Agreement.
- 1.12 **CONTRACT ADMINISTRATOR**: The (Dept. Director) for the City of Fort Lauderdale, or his designee. In the administration of this Agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator.
- 1.13 **CONTRACTOR**: One or more individuals, firms, corporations or other entities identified as such by a written agreement with CITY ("Contract for Construction") to perform the construction services required to complete the Project.
- 1.14 **DEPARTMENT DIRECTOR**: The (Dept. Director) for the City of Fort Lauderdale.
- 1.15 **ERROR**: A mistake in design, plans and/or specifications that incorporates into those documents an element that is incorrect and is deficient from the standard

of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes mistakes in design, plans, specifications and/or shop drawings review that lead to materials and/or equipment being ordered and/or delivered where additional costs are incurred.

- 1.16 FINAL STATEMENT OF PROBABLE CONSTRUCTION COSTS: A final cost estimate prepared by CONSULTANT during the Final Design Phase of the Project, based upon the final detailed Construction Documents of the Project.
- 1.17 NOTICE TO PROCEED: A written Notice to Proceed with the Project issued by the Contract Administrator.
- 1.18 OMISSION: A scope of work missed by CONSULTANT that is necessary for the Project, including a quantity miscalculation, which was later discovered and added by Change Order and which is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes design that was wrong, but was corrected after award to the Contractor, but before the construction process was materially affected.
- 1.19 ORIGINAL CONTRACT PRICE: The original bid and/or contract price as awarded to a Contractor based upon CONSULTANT'S final detailed Construction Documents of the Project.
- 1.20 PLANS AND SPECIFICATIONS: The documents setting forth the final design plans and specifications of the Project, including architectural, civil, structural, mechanical, electrical, communications and security systems, materials, lighting equipment, site and landscape design, and other essentials as may be appropriate, all as approved by CITY as provided in this Agreement.
- 1.21 PRELIMINARY PLANS: The documents prepared by CONSULTANT consisting of preliminary design drawings, renderings and other documents to fix and describe the size and character of the entire Project, and the relationship of Project components to one another and existing features.
- 1.22 PROJECT: An agreed scope of work for accomplishing a specific plan or development. This may include, but is not limited to, planning, architectural, engineering, and construction support services. The services to be provided by CONSULTANT shall be as defined in this Agreement and further detailed in Task Orders for individual projects or combinations of projects. The Project planning, design and construction may occur in separate phases and Task Orders at the CITY's discretion.
- 1.23 RESIDENT PROJECT REPRESENTATIVE: Individuals or entities selected, employed, compensated by and directed to perform services on behalf of CITY,

in monitoring the Construction Phase of the Project to completion.

- 1.24 **SPECIFICATIONS**: The specifications referred to in this agreement are the CONSTRUCTION STANDARDS AND SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January 1982, including any revisions.
- 1.25 **STATEMENT OF PROBABLE PROJECT COSTS**: A document to be prepared by CONSULTANT that shall reflect a detailed statement of the total probable costs.
- 1.26 **SUBSTANTIAL COMPLETION**: The CITY will consider the work substantially complete when the Contractor submits 100% complete deliverables (i.e. Drawings, Specifications, Reports, Renderings) as described in this Agreement to the satisfaction of the City.
- 1.27 **TASK ORDER**: A document setting forth a negotiated detailed scope of services to be performed by CONSULTANT at fixed contract prices in accordance with this Agreement between the CITY and CONSULTANT.
- 1.28 **TIME OF COMPLETION**: Time in which the entire work shall be completed for each Task Order.

## **ARTICLE 2** **PREAMBLE**

In order to establish the background, context and frame of reference for this Agreement and to generally express the objectives and intentions of the respective parties hereto, the following statements, representations and explanations shall be accepted as predicates for the undertakings and commitments included within the provisions of this Agreement which follow and may be relied upon by the parties as essential elements of the mutual considerations upon which this Agreement is based.

- 2.1 Pursuant to Section 287.055, Florida Statutes, CITY has formed a Committee to evaluate CONSULTANT's statement of qualifications and performance data to ensure that CONSULTANT has met the requirements of the Consultants' Competitive Negotiation Act, as set forth in Section 287.055, Florida Statutes, and has selected CONSULTANT to perform services hereunder.

## **ARTICLE 3** **SCOPE OF SERVICES**

- 3.1 The CONSULTANT shall perform the following professional services: (Type of Engineering Svcs.) as more specifically described in Exhibit "A," Scope of Services, attached hereto and incorporated herein, and shall include, but not be limited to, services as applicable and authorized by individual Task Orders for the individual projects in accordance with Article 6 herein. CONSULTANT shall provide all services set forth in Exhibit "A" including all necessary, incidental and related

activities and services required by the Scope of Services and contemplated in CONSULTANT's level of effort. CONSULTANT will perform the Services in accordance with standard industry practices, with the care, knowledge and skill expected of similar engineering firms. No other warranties, express or implied are made or intended.

- 3.2 CITY and CONSULTANT acknowledge that the Scope of Services does not delineate every detail and minor work tasks required to be performed by CONSULTANT to complete the Project. If, during the course of the performance of the services included in this Agreement, CONSULTANT determines that work should be performed to complete the Project which is in CONSULTANT's opinion, outside the level of effort originally anticipated, whether or not the Scope of Services identifies the work items, CONSULTANT shall notify Contract Administrator and obtain written approval by the CITY in a timely manner before proceeding with the work. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. The CITY shall not pay for any work that is not approved by the Contract Administrator in writing. If CONSULTANT proceeds with said work without notifying the Contract Administrator, said work shall be deemed to be within the original level of effort, whether specifically addressed in the Scope of Services. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. Performance of work by CONSULTANT outside the originally anticipated level of effort without prior written CITY approval is at CONSULTANT's sole risk.

#### ARTICLE 4 GENERAL PROVISIONS

- 4.1 Negotiations pertaining to the rates for professional services to be performed by CONSULTANT have been undertaken between CONSULTANT and CITY representatives pursuant to Section 287.055, Florida Statutes, and this Agreement incorporates the results of such negotiation.
- 4.2 CONSULTANT shall include CITY's specific Task Order number as part of the heading on all correspondence, invoices and drawings. All correspondence shall be directed specifically to the Contract Administrator.

**ARTICLE 5**  
**PRIORITY OF PROVISIONS**

- 5.1 The Contract Documents are intended to include all items necessary for the proper execution and completion of the work by CONSULTANT. Any labor, services, materials, supplies, equipment or documentation that may reasonably be inferred from the Contract Documents or trade usage from prevailing custom as being required to produce the indicated result will be provided whether or not specifically called for, at no additional cost to CITY. The Contract Documents are complementary, and wherever possible the provisions of the Contract Documents shall be construed in such manner as to avoid conflicts between provisions of the various Contract Documents. In the event of any inconsistency in the Contract Documents, where such inconsistency is not clarified by change order, addendum or amendment, the Contract Documents shall be construed according to the following priorities:

First priority: Approved Change Orders, Addendums or Amendments to all related documents.

Second priority: Specifications (quality) and Drawings (location and quantity) of CONSULTANT.

Third priority: This AGREEMENT.

Fourth priority: City of Fort Lauderdale Request for Qualifications #\_\_\_\_\_.

Fifth priority: CONSULTANT's response to City of Fort Lauderdale Request for Qualifications #\_\_\_\_\_.

- 5.2 Anything shown on the drawings and not mentioned in the specifications or mentioned in the specifications and now shown on the drawings, shall have the same effect as if shown or mentioned respectively in both. In the event of a conflict among the Contract Documents, the latest, most stringent, and more technical requirement(s), including, but not limited to, issues of quantities or cost of the Work shall control.

Reference to standard specifications, manuals, rules, regulations, ordinances, laws or codes of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, rule, regulation, ordinance, law or code in effect at the time of permit submittal.



**ARTICLE 6**  
**TASK ORDERS**

- 6.1 The Project will be divided into "Tasks."
- 6.2 Task Orders shall be jointly prepared by the CITY and CONSULTANT defining the detailed scope of services to be provided for the particular Project. Each Task Order shall be separately numbered and approved in accordance with this Agreement and all applicable CITY code requirements.
- 6.3 Under all Task Orders and Projects, CITY may require the CONSULTANT, by specific written authorization, and for mutually agreed upon additional compensation, to provide or assist in obtaining one or more of the following special services. These services may include, at the discretion of the CITY, the following items:
- 6.3.1 Providing additional copies of reports, contract drawings and documents;  
and
- 6.3.2 Assisting CITY with litigation support services arising from the planning, development, or construction.
- 6.4 Prior to initiating the performance of any services under this Agreement, CONSULTANT must receive a written Notice to Proceed / Purchase Order from the CITY. The CONSULTANT must receive the approval of the Contract Administrator or his designee in writing prior to beginning the performance of services in any subsequent Task Order under this Agreement.
- 6.5 If, in the opinion of the CITY, the CONSULTANT is improperly performing the services under a specific Task Order, or if at any time the CITY shall be of the opinion that said Task Order is being unnecessarily delayed and will not be completed within the agreed upon time, the CITY shall notify the CONSULTANT in writing. The CONSULTANT has within ten (10) working days thereafter to take such measures as will, in the judgment of the CITY, ensure satisfactory performance and completion of the work. If the CONSULTANT fails to cure within the ten (10) working days, the CITY may notify the CONSULTANT to discontinue all work under the specified Task Order. The CONSULTANT shall immediately respect said notice and stop said work and cease to have any rights in the possession of the work and shall forfeit the Task Order and any remaining monies. The CITY may then decide, after City Commission approval, to issue a new Task Order for the uncompleted work to another consultant using the remaining funds. Any excess costs arising therefrom over and above the original Task Order price shall be charged against CONSULTANT, as the original CONSULTANT.

**ARTICLE 7**  
**TERM OF AGREEMENT; TIME FOR PERFORMANCE**

- 7.1 The initial contract term shall commence upon final execution of the contract by the City and shall expire \_\_\_\_\_ ( ) years from that date. The City reserves the right to extend the contract for \_\_\_\_\_ ( ) additional \_\_\_\_\_ ( ) Year terms providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the City.

In the event services are scheduled to end because of the expiration of this contract, the Contractor shall continue the service upon the request of the City as authorized by the awarding authority. The Contractor shall be compensated for the service at the rate in effect when this extension clause is invoked by the City.

- 7.2 CONSULTANT shall perform the services described in Task Orders within the time periods specified in the Task Order. Said time periods shall commence from the date of the Notice to Proceed for such services.
- 7.3 Prior to beginning the performance of any services under this Agreement, CONSULTANT must receive a Notice to Proceed. CONSULTANT must receive written approval from the Contract Administrator prior to beginning the performance of services in any subsequent phases of the Agreement. Prior to granting approval for CONSULTANT to proceed to a subsequent phase, the Contract Administrator may, at his or her sole option, require CONSULTANT to submit itemized deliverables/documents for the Contract Administrator's review.
- 7.4 In the event CONSULTANT is unable to complete any services because of delays resulting from untimely review by CITY or other governmental authorities having jurisdiction over the Project, and such delays are not the fault of CONSULTANT, or because of delays which were caused by factors outside the control of CONSULTANT, CITY shall grant a reasonable extension of time for completion of the services. It shall be the responsibility of the CONSULTANT to notify CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform CITY of all facts and details related to the delay.
- 7.5 The time for the performance of services described in assigned Task Orders shall be negotiated by the CITY and the CONSULTANT as the services are requested and authorized by the CITY.

**ARTICLE 8**  
**COMPENSATION AND METHOD OF PAYMENT**

**8.1 AMOUNT AND METHOD OF COMPENSATION**

**8.1.1 Not To Exceed Amount Compensation**

CITY agrees to pay CONSULTANT as compensation for performance of all services as related to each Task Order under the terms of this Agreement a Not to Exceed Amount as agreed upon per Task Order. This compensation does not include Reimbursables as described in Section 8.2. It is agreed that the method of compensation is that of "Not to Exceed Amount" which means that CONSULTANT shall perform all services set forth in each Task Order for total compensation in the amount of or less than that stated total. The hourly rate-billing schedule to be used in negotiating each Task Order is attached as Exhibit "B" to this Agreement. As described in Section 9.1, no modification, amendment, or alteration to Exhibit "B" shall be effective unless contained in a written document prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.

A not to exceed proposal shall be accompanied by the CONSULTANT's estimate. The estimate shall detail the direct labor costs by categories of employees, work hours, and hourly rate; overhead; direct non-salary expenses including reimbursables; and profit, or as required by individual Task Order.

**8.2 REIMBURSABLES**

8.2.1 Direct non-salary expenses, entitled Reimbursables, directly attributable to the Project will be charged at actual cost. Reimbursable expenses are in addition to the compensation for basic services and include actual expenditures made by the CONSULTANT and the CONSULTANT'S employees directly attributable to the Project and will be charged at actual cost, without reference to the professional service fees above. CITY shall not withhold retainage from payments for Reimbursable Expenses. CONSULTANT shall be compensated for Reimbursables associated with a particular Task Order only up to the amount allocated for such Task Order. Any reimbursable or portion thereof which, when added to the Reimbursables related to a particular Task Order previously billed, exceeds the amount allocated for such Task Order shall be the responsibility of the CONSULTANT unless otherwise agreed to in writing by the Contract Administrator. Travel and subsistence expenses for the CONSULTANT, his staff and subconsultants and communication expenses, long distance telephone, courier and express mail between CONSULTANT's and subconsultants' various offices are not reimbursable under this Agreement. Reimbursables shall include only the following listed expenses unless authorized in writing by the Contract Administrator:

A. Cost of reproduction, postage and handling of drawings and specifications which are required to deliver services set forth in this Agreement, excluding reproductions for the office use of the CONSULTANT. Reimbursable printing and photocopying expenses shall include only those prints or photocopies of original documents which are (i) exchanged among CONSULTANT, CITY and other third parties retained or employed by any of them or (ii) submitted to CITY for review, approval or further distribution. Documents, which are reproduced for CONSULTANT's internal drafts, reviews, or other purposes, are not eligible for reimbursement.

B. Identifiable testing costs and special inspections approved by Contract Administrator.

C. All permit fees paid to regulatory agencies for approvals directly attributable to the Project. These permit fees do not include those permits required for the construction Contractor.

D. Overnight Delivery/Courier Charges (when CITY requires/requests this service).

8.2.2 Reimbursable subconsultant expenses are limited to the items described above when the subconsultant agreement provides for reimbursable expenses. A detailed statement of expenses must accompany any request for reimbursement. Local travel to and from the Project site or within the Tri-County Area will not be reimbursed.

8.2.3 It is acknowledged and agreed to by CONSULTANT that the dollar limitation set forth in each Task Order is a limitation upon, and describes the maximum extent of CITY's obligation to reimburse CONSULTANT for direct, nonsalary expenses, but does not constitute a limitation, of any sort, upon CONSULTANT's obligation to incur such expenses in the performance of services hereunder. If CITY or Contract Administrator requests CONSULTANT to incur expenses not contemplated in the amount for Reimbursables, CONSULTANT shall notify Contract Administrator in writing before incurring such expenses. Any such expenses shall be reviewed and approved by CITY prior to incurring such expenses.

### 8.3 METHOD OF BILLING

#### 8.3.1 Not To Exceed Amount Compensation

CONSULTANT shall submit billings, which are identified by the specific project number on a monthly basis in a timely manner for all salary costs and Reimbursables attributable to the Project. These billings shall identify the nature of the work performed for each phase, subtask, deliverable and item identified in the Exhibit "A" Scope of Services or Task Order, the total hours of work performed and the employee category of the individuals

performing same. The statement shall show a summary of salary costs with accrual of the total and credits for portions paid previously. Subconsultant fees must be documented by copies of invoices or receipts, which describe the nature of the expenses and contain a project number or other identifier, which clearly indicates the expense, as identifiable to the Project. Except for meals and travel expenses, it shall be deemed unacceptable for the CONSULTANT to modify the invoice or receipt by adding a project number or other identifier. Internal expenses must be documented by appropriate CONSULTANT's cost accounting forms with a summary of charges by category. When requested, CONSULTANT shall provide backup for past and current invoices that records hours and salary costs by employee category and subconsultant fees on a task basis, so that total hours and costs by task may be determined.

#### **8.4 METHOD OF PAYMENT**

8.4.1 CITY shall pay CONSULTANT in accordance with the Florida Prompt Payment Act. To be deemed proper, all invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by Contract Administrator.

8.4.2 CITY will review CONSULTANT's invoices and, if inaccuracies or errors are discovered in said invoice, CITY will inform CONSULTANT within ten (10) working days by fax and/or by email of such inaccuracies or errors and request that revised copies of all such documents be re-submitted by CONSULTANT to CITY.

8.4.3 Payment are scheduled to be made by CITY to CONSULTANT using a credit card /CITY Procurement Card (P-Card).

8.4.4 Payment will be made to CONSULTANT at:

(CONSULTANT'S ADDRESS)

### **ARTICLE 9** **AMENDMENTS AND CHANGES IN SCOPE OF SERVICES**

9.1.1 No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written Amendment prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.

9.1.2 CITY or CONSULTANT may request changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under a Task Order. Such changes must be contained in a written amendment, executed by the Parties hereto, with the same formality and of equal dignity herewith, prior to any deviation from the terms of the Task Order including the initiation of any additional services. CITY shall



compensate CONSULTANT for such additional services as provided in Article 8.

- 9.1.3 In the event a dispute between the Contract Administrator and CONSULTANT arises over whether requested services constitute additional services and such dispute cannot be resolved by the Contract Administrator and CONSULTANT, such dispute shall be promptly presented to the City Manager for resolution. The City Manager's decision shall be final and binding on the Parties for amounts in the aggregate under \$100,000. In the event of a dispute in an amount over \$100,000, the Parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both Parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either Party may commence litigation to resolve the dispute in Broward County, Florida. Any resolution shall be set forth in a written document in accordance with Section 9.2 above. During the pendency of any dispute, CONSULTANT shall promptly perform the disputed services.

## ARTICLE 10

### CONSULTANT'S RESPONSIBILITIES

- 10.1 The CONSULTANT, following the CITY's approval of the Construction Documents and of the Final Statement of Probable Construction Costs, shall, when so directed and authorized by the CITY, assist the CITY in estimating construction costs, reviewing proposals, and assist in awarding contracts for construction. If requested, CONSULTANT shall review and analyze the proposals received by the CITY and shall make a recommendation for any award based on the City of Fort Lauderdale Procurement Ordinance.
- 10.2 Estimates, opinions of probable construction or implementation costs, financial evaluations, feasibility studies or economic analyses prepared by CONSULTANT will represent its best judgment based on its experience and available information. The CITY recognizes that CONSULTANT has no control over costs of labor, materials, equipment or services furnished by others or over market conditions or CONSULTANT's methods of determining prices, and that any evaluation of a facility to be constructed or work to be performed is speculative. Accordingly, CONSULTANT does not guarantee that proposals, bids or actual costs will not vary from opinions, evaluations or studies submitted by CONSULTANT.
- 10.3 In the event that the lowest "best value" bid, as such term is used in the City of Fort Lauderdale Procurement Code, excluding any alternate bid items ("base bid"), exceeds the Estimated Construction Cost for a project by more than ten percent (10%), CONSULTANT shall explain, in writing, the reasons why the bids or proposals exceeded the ten percent (10%) factor following the analysis of all base bids. In such a circumstance, the CITY may at its sole discretion, exercise any one or more of the following options:

- CONSULTANT shall be required to amend at the sole cost and expense of CONSULTANT, the Construction Drawings, Technical Specifications and Supplemental Conditions to enable the project to conform to a maximum of ten (10%) above the Estimated Construction Costs of the project, such amendments to be subject to the written final acceptance and approval of same by the CITY;
- CONSULTANT shall be required to provide at the cost and expense of CONSULTANT re-bidding services and related items (including costs associated with regulatory review and approval of revised documents) as many times as requested by the CITY until the base bid of at least one "best value" bid falls within the factor of ten (10%) of the Estimated Construction Cost of the project;
- The CITY may approve an increase in the Estimated Construction Cost of the Project;
- The CITY may reject all bids or proposals and may authorize re-bidding;
- The CITY may if permitted, approve a renegotiation of the Project within a reasonable time;
- The CITY may abandon the project and terminate CONSULTANT's work authorization and Services for the Project; or
- The CITY may select as many deductive alternatives as may be necessary to bring the award within ten percent (10%) of the Estimated Construction Costs of the Project.

It is expressly understood and agreed that the redesigning services required to keep the Project within 10% of the Estimated Construction Cost shall not be considered additional services and CONSULTANT agrees that it shall not seek compensation from the CITY for such Services.

- 10.4 The CONSULTANT may be requested to provide the CITY with a list of recommended, prospective proposers.
- 10.5 The CONSULTANT may be asked to attend all pre-bid / proposal conferences.
- 10.6 The CONSULTANT shall recommend any addenda, through the Contract Administrator, as appropriate to clarify, correct, or change proposal /bid documents.
- 10.7 If pre-qualification of proposers is required as set forth in the request for proposal, CONSULTANT shall assist the CITY, if requested, in developing qualification criteria, review qualifications and recommend acceptance or rejection of the proposers. If requested, CONSULTANT shall evaluate proposals and proposers, and make recommendations regarding any award by the CITY.
- 10.8 The CITY shall make decisions on claims regarding interpretation of the Construction Documents, and on other matters relating to the execution and

progress of the work after receiving a recommendation from CONSULTANT. CONSULTANT may also assist in approving progress payments to the Contractor based on each Project Schedule of Values and the percentage of work completed.

- 10.9 The CITY shall maintain a record of all Change Orders which shall be categorized according to the various types, causes, etc. that it may be determined are useful or necessary for its purpose. Among those shall be Change Orders identified as architectural/engineering Errors or Omissions.

10.9.1 Unless otherwise agreed by both Parties in writing, it is specifically agreed that any change to the work identified as an Error on the part of CONSULTANT shall be considered for purposes of this Agreement to be an additional cost to the CITY which would not be incurred without the Error. Errors on the part of the CONSULTANT shall be rectified by the CONSULTANT with no additional cost to the CITY.

10.9.2 Unless otherwise agreed by both Parties in writing, it is further specifically agreed for purposes of this Agreement that fifteen percent (15%) of the cost of Change Orders for any item categorized as an Omission shall be considered an additional cost to the CITY which would not be incurred without the Omission. So long as the total of those two numbers (Change Order costs of Errors plus fifteen percent (15%) of Omissions) remains less than two percent (2%) of the total Construction Cost of the Project, the CITY shall not look to CONSULTANT for reimbursement for Errors and Omissions.

10.9.3 Should the sum of the two as defined above (cost of Errors plus fifteen percent (15%) of the cost of Omissions) exceed two percent (2%) of the Construction Cost, the CITY shall recover the full and total additional cost to the CITY as a result of CONSULTANT's Errors and Omissions from CONSULTANT, that being defined as the cost of Errors plus fifteen percent (15%) of the cost of Omissions above two percent (2%) of the Construction Cost.

10.9.4 To obtain such recovery, the CITY shall deduct from CONSULTANT's fee a sufficient amount to recover all such additional cost to the CITY.

10.9.5 In executing this Agreement, CONSULTANT acknowledges acceptance of these calculations and to the CITY's right to recover same as stated above. The recovery of additional costs to the CITY under this paragraph shall not limit or preclude recovery for other separate and/or additional damages which the CITY may otherwise incur.

10.9.6 The Contract Administrator's decision as to whether a Change Order is caused by an Error or caused by an Omission, taking into consideration industry standards, shall be final and binding on both Parties for amounts

in the aggregate under \$100,000 per project, subject to Section 9.3. In the event of a dispute in an amount over \$100,000, the Parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both Parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either Party may commence litigation to resolve the dispute in Broward County, Florida.

#### ARTICLE 11 CITY'S RESPONSIBILITIES

- 11.1 CITY shall assist CONSULTANT by placing at CONSULTANT's disposal, all information CITY has available pertinent to the Project including previous reports and any other data relative to design or construction of the Project.
- 11.2 CITY shall arrange for access to, and make all provisions for, CONSULTANT to enter upon public and private property as required for CONSULTANT to perform its services.
- 11.3 CITY shall review the itemized deliverables/documents identified per Task Order.
- 11.4 CITY shall give prompt written notice to CONSULTANT whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of CONSULTANT's services or any defect in the work of the Contractor.

#### ARTICLE 12 MISCELLANEOUS

##### 12.1 OWNERSHIP OF DOCUMENTS

All documents including, but not limited to, drawings, renderings, models, and specifications prepared or furnished by CONSULTANT, its dependent professional associates and consultants, pursuant to this Agreement shall be owned by the CITY.

Drawings, specifications, designs, models, photographs, reports, surveys and other data prepared in connection with this Agreement are and shall remain the property of the CITY whether the Project for which they are made is executed or not, and are subject to reuse by the CITY in accordance with Section 287.055(10) of the Florida Statutes. They are not intended or represented to be suitable for reuse by the CITY or others on extensions of this Project or on any other project without appropriate verification or adaptation. Any reuse, except for the specific purpose intended hereunder, will be at the CITY's sole risk and without liability or legal exposure to CONSULTANT or its subcontractors. This does not, however, relieve CONSULTANT of liability or legal exposure for errors, omissions,

or negligent acts made on the part of CONSULTANT in connection with the proper use of documents prepared under this Agreement. Any such verification or adaptation may entitle CONSULTANT to further compensation at rates to be agreed upon by the CITY and CONSULTANT. This shall not limit the CITY's reuse of preliminary or developmental plans or ideas incorporated therein, should the Project be suspended or terminated prior to completion.

## 12.2 TERMINATION

**12.2.2 Termination for Cause.** It is expressly understood and agreed that the CITY may terminate this Agreement at any time for cause in the event that the CONSULTANT (1) violates any provisions of this Agreement or performs same in bad faith or (2) unreasonably delays the performance of the services or does not perform the services in a timely and satisfactory manner upon written notice to the CONSULTANT. Notice of termination shall be provided in accordance with Section 12.27. In the case of termination by the CITY for cause, the CONSULTANT shall be first granted a 10-working day cure period after receipt of written notice from the CITY. In the event that the Agreement is terminated, the CONSULTANT shall be entitled to be compensated for the services rendered and accepted by the CITY from the date of execution of the Agreement up to the time of termination. Such compensation shall be based on the fee as set forth above, wherever possible. For those portions of services rendered to which the applicable fee cannot be applied, payment shall be based upon the appropriate rates for the actual time spent on the Project. In the event that the CONSULTANT abandons this Agreement or through violation of any of the terms and conditions of this Agreement, causes it to be terminated, CONSULTANT shall indemnify the CITY against any and all loss pertaining to this termination.

All finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by CONSULTANT shall become the property of CITY and shall be delivered by CONSULTANT to the CITY within five (5) days of CITY's request. Upon payment of such sum by CITY to CONSULTANT, CITY shall have no further duties or obligations pursuant to or arising from this Agreement.

**12.2.2** This Agreement may also be terminated by CITY upon such notice as CITY deems appropriate in the event CITY or Contract Administrator determines that termination is necessary to protect the public health, safety, or welfare.

**12.2.2** Notice of termination shall be provided in accordance with Section 12.27, NOTICES, except that Contract Administrator may provide a prior verbal stop work order if the Contract Administrator deems a stop work order of this Agreement in whole or in part is necessary to protect the public's health, safety, or welfare. A verbal stop work order shall be promptly confirmed in writing as set forth in Section 12.27, NOTICES.



**12.2.2 Termination for Convenience.** In the event this Agreement is terminated for convenience, CONSULTANT shall be paid for any services performed and accepted by the CITY to the date the Agreement is terminated. Compensation shall be withheld until all documents specified in Section 11.3 of this Agreement are provided to the CITY. Upon being notified of CITY's election to terminate, CONSULTANT shall refrain from performing further services or incurring additional expenses under the terms of this Agreement. Under no circumstances shall CITY make payment for services which have not been performed.

**12.2.2 Termination by CONSULTANT.** CONSULTANT shall have the right to terminate this Agreement upon substantial breach by the CITY of its obligation under this Agreement as to unreasonable delay in payment or non-payment of undisputed amounts. CONSULTANT shall have no right to terminate this Agreement for convenience of the CONSULTANT.

### **12.3 AUDIT RIGHT AND RETENTION OF RECORDS**

CITY shall have the right to audit the books, records, and accounts of CONSULTANT that are related to this Project. CONSULTANT shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project.

CONSULTANT shall preserve and make available, at reasonable times and upon prior written notice for examination and audit by CITY all financial records, supporting documents, statistical records, and any other documents pertinent to this Agreement for the required retention period of the Florida Public Records Act (Chapter 119, Florida Statutes), if applicable, or, if the Florida Public Records Act is not applicable, for a minimum of three (3) years after termination of this Agreement. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer, the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONSULTANT's records, CONSULTANT shall comply with all requirements thereof; however, no confidentiality or non-disclosure requirement of either federal or state law shall be violated by CONSULTANT. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for CITY's disallowance and recovery of any payment upon such entry.

### **12.4 NON-DISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT**

CONSULTANT shall not unlawfully discriminate against any person in its operations and activities in its use or expenditure of the funds or any portion of the funds provided by this Agreement and shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded in whole or in part by CITY, including Titles I and II of the ADA

(regarding nondiscrimination or the basis of disability), and all applicable regulations, guidelines, and standards.

CONSULTANT's decisions regarding the delivery of services under this Agreement shall be made without regard to or consideration of race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation, or any other factor which cannot be lawfully or appropriately used as a basis for service delivery.

CONSULTANT shall comply with Title I of the Americans with Disabilities Act regarding nondiscrimination on the basis of disability in employment and further shall not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, CONSULTANT shall take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

CONSULTANT shall take affirmative action to ensure that applicants are employed, and employees are treated without regard to race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability during employment. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

## **12.5 MINORITY PARTICIPATION**

Historically, the CITY has been able to achieve participation levels of approximately twelve percent (12%) by MBE/WBE firms in CITY projects, and in the purchase of goods and services. The CONSULTANT shall make a good faith effort to help the CITY maintain and encourage MBE/WBE participation levels consistent with such historical levels and market conditions. The CONSULTANT will be required to document all such efforts and supply the CITY with this documentation at the end of the Project, or in cases where projects are longer than one year, each CITY fiscal year.

## **12.6 PUBLIC ENTITY CRIMES ACT**

In accordance with the Public Crimes Act, Section 287.133, Florida Statutes, a person or affiliate who is a contractor, consultant or other provider, who has been placed on the convicted vendor list following a conviction for a public entity crime

may not submit a bid on a contract to provide any goods or services to the City, may not submit a bid on a contract with the City for the construction or repair of a public building or public work, may not submit bids on leases of real property to the City, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with the City, and may not transact any business with the City in excess of the threshold amount provided in Section 287.017, Florida Statutes, for category two purchases for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. Violation of this section by Contractor shall result in cancellation of the City purchase and may result in Contractor debarment.

## **12.7 SUBCONSULTANTS**

12.7.2 CONSULTANT may subcontract certain items of work to sub-consultant. The parties expressly agree that the CONSULTANT shall submit pertinent information regarding the proposed sub-consultant, including sub-consultant's scope of work and fees, for review and approval by the CITY prior to sub-consultants proceeding with any work.

12.7.2 CONSULTANT shall utilize the subconsultants identified in the proposal that were a material part of the selection of CONSULTANT to provide the services for this Project. CONSULTANT shall obtain written approval of the Contract Administrator prior to changing or modifying the list of sub-consultants submitted by CONSULTANT.

The list of subconsultants submitted is as follows:

(NAME ALL SUB-CONSULTANTS HERE)

## **12.8 ASSIGNMENT AND PERFORMANCE**

Neither this Agreement nor any interest herein shall be assigned, transferred, or encumbered without the written consent of the other Party, and CONSULTANT shall not subcontract any portion of the work required by this Agreement except as authorized pursuant to Section 12.7.

CONSULTANT represents that all persons delivering the services required by this Agreement have the knowledge and skills, either by training, experience, education, or a combination thereof, to adequately and competently perform the duties, obligations, and services set forth in the Scope of Services and to provide and perform such services to CITY's satisfaction for the agreed compensation.

CONSULTANT shall perform its duties, obligations, and services under this Agreement in a skillful and respectable manner. The quality of CONSULTANT's performance and all interim and final product(s) provided to or on behalf of CITY shall meet or exceed all professional standards of the State of Florida.

## **12.9 INDEMNIFICATION OF CITY**

**12.9.1** CONSULTANT shall indemnify and hold harmless CITY, its officers and employees, from liabilities, damages, losses, and costs, including but not limited to reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional misconduct of CONSULTANT and persons employed or utilized by CONSULTANT in the performance of this Agreement. These indemnifications shall survive the term of this Agreement. In the event that any action or proceeding is brought against CITY by reason of any such claim or demand, CONSULTANT, shall, upon written notice from CITY, resist and defend such action or proceeding by counsel approved by the CITY.

**12.9.2** To the extent considered necessary by Contract Administrator and CITY, any sums due the CONSULTANT under this Agreement may be retained by CITY until all of the CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.

**12.9.3** The Indemnification provided above shall obligate CONSULTANT to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at CITY's option, any and all claims of liability and all suits and actions of every name and description covered by Section 11.9.1 above that may be brought against CITY whether performed by CONSULTANT, or persons employed or utilized by CONSULTANT.

## **12.10 LIMITATION OF CITY'S LIABILITY**

The CITY desires to enter into this Agreement only if in so doing the CITY can place a limit on the CITY's liability for any cause of action arising out of this Agreement, so that the CITY's liability for any breach never exceeds the sum of \$1,000.00. For other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the CONSULTANT expresses its willingness to enter into this Agreement with the knowledge that the CONSULTANT's recovery from the CITY to any action or claim arising from the Agreement is limited to a maximum amount of \$1,000.00 less the amount of all funds actually paid by the CITY to the CONSULTANT pursuant to this Agreement. Accordingly, and notwithstanding any other term or condition of this Agreement that may suggest otherwise, the CONSULTANT agrees that the CITY shall not be liable to the CONSULTANT for damages in an amount in excess of \$1,000.00, which amount

shall be reduced by the amount actually paid by the CITY to the CONSULTANT pursuant to this Agreement, for any action or claim arising out of this Agreement. Nothing contained in this paragraph or elsewhere in this Agreement is in any manner intended either to be a waiver of the limitation placed upon the CITY's liability as set forth in Section 768.28, Florida Statutes, or to extend the CITY's liability beyond the limits established in said Section 768.28; and no claim or award against the CITY shall include attorney's fees, investigative costs, extended damages, expert fees, suit costs or pre-judgment interest. Notwithstanding the foregoing, the parties agree and understand that the provisions of this Article 12.10 do not apply to monies owed, if any, for services rendered to CONSULTANT by the CITY under the provisions of this Agreement.

12.11 INSURANCE – Copy / paste from solicitation

12.12 REPRESENTATIVE OF CITY AND CONSULTANT

12.12.1 The Parties recognize that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon CONSULTANT's request, shall advise CONSULTANT in writing of one (1) or more CITY employees to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

12.12.2 CONSULTANT shall inform the Contract Administrator in writing of CONSULTANT's representative to whom matters involving the conduct of the Project shall be addressed.

12.13 ALL PRIOR AGREEMENTS SUPERSEDED

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein; and the Parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the Parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written.

It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

12.14 CONSULTANT'S STAFF

CONSULTANT will provide the key staff identified in its proposal for the Project as long as said key staff are in CONSULTANT's employment.



CONSULTANT will obtain prior written approval of Contract Administrator to change key staff. CONSULTANT shall provide Contract Administrator with such information as necessary to determine the suitability of any proposed new key staff. Contract Administrator will be reasonable in evaluating key staff qualifications.

If Contract Administrator desires to request removal of any of CONSULTANT's staff, Contract Administrator shall first meet with CONSULTANT and provide reasonable justification for said removal.

#### **12.15 INDEPENDENT CONTRACTOR**

CONSULTANT is an independent contractor under this Agreement. Services provided by CONSULTANT shall be subject to the supervision of CONSULTANT. In providing the services, CONSULTANT or its agents shall not be acting and shall not be deemed as acting as officers, employees, or agents of the CITY. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this Agreement shall be those of CONSULTANT. The Parties expressly acknowledge that it is not their intent to create any rights or obligations in any third person or entity under this Agreement.

#### **12.16 THIRD PARTY BENEFICIARIES**

Neither CONSULTANT nor CITY intends to directly or substantially benefit a third party by this Agreement. Therefore, the parties agree that there are no third-party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against either of them based upon this Agreement.

#### **12.17 CONFLICTS**

Neither CONSULTANT nor its employees shall have or hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONSULTANT's loyal and conscientious exercise of judgment related to its performance under this Agreement.

CONSULTANT agrees that none of its officers or employees shall, during the term of this Agreement, serve as expert witness against CITY in any legal or administrative proceeding in which he or she is not a party, unless compelled by court process, nor shall such persons give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY or in connection with any such pending or threatened legal or administrative proceeding. The limitations of this Section shall not preclude such persons from representing themselves in any action or in any administrative or legal proceeding.

In the event CONSULTANT is permitted to utilize subconsultants to perform any services required by this Agreement, CONSULTANT agrees to prohibit such subconsultants, by written contract, from having any conflicts as within the meaning of this Section.

#### 12.18 CONTINGENCY FEE

CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONSULTANT, to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for CONSULTANT, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For a breach or violation of this provision, the CITY shall have the right to terminate this Agreement without liability at its discretion, or to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.

#### 12.19 WAIVER OF BREACH AND MATERIALITY

Failure by CITY to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement.

CITY and CONSULTANT agree that each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof.

#### 12.20 COMPLIANCE WITH LAWS

CONSULTANT shall comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations related to this Agreement.

#### 12.21 SEVERANCE

In the event this Agreement or a portion of this Agreement is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective unless CITY or CONSULTANT elects to terminate this Agreement. The election to terminate this Agreement based upon this provision shall be made within seven (7) days after the findings by the court become final.

#### 12.22 JOINT PREPARATION

Preparation of this Agreement has been a joint effort of CITY and CONSULTANT and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than any other.

#### 12.23 PRIORITY OF PROVISIONS

If there is a conflict or inconsistency between any term, statement, requirement, or provision of any exhibit attached hereto, any document or events referred to herein, or any document incorporated into this Agreement by reference and a term, statement, requirement, or provision of this Agreement, the term, statement, requirement, or provision contained in Articles 1-12 of this Agreement shall prevail and be given effect.

#### 12.24 APPLICABLE LAW AND VENUE AND WAIVER OF JURY TRIAL

This Agreement shall be construed in accordance with and governed by the laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this Agreement and for any other legal proceeding shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida. **BY ENTERING INTO THIS AGREEMENT, CONSULTANT AND CITY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO, OR ARISING OUT OF THIS AGREEMENT.**

In the event Consultant is a corporation organized under the laws of any province of Canada or is a Canadian federal corporation, the City may enforce in the United States of America or in Canada or in both countries a judgment entered against CONSULTANT. CONSULTANT waives any and all defenses to the City's enforcement in Canada of a judgment entered by a court in the United States of America.

#### 12.25 SOLICITATION AND EXHIBITS

The solicitation, CONSULTANT'S response to the solicitation and each exhibit referred to in this Agreement forms an essential part of this Agreement. The solicitation, CONSULTANT'S response, and exhibits, if not physically attached, should be treated as part of this Agreement, and are incorporated herein by reference.

#### 12.26 TWO ORIGINAL AGREEMENTS

This Agreement shall be executed in two (2), signed Agreements, treated as an original.

#### 12.27 NOTICES

Whenever either Party desires to give notice unto the other, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the Party for whom it is intended, at the place last specified, and the place for giving of notice in compliance with the provisions of this paragraph. For the present, the Parties designate the following as the respective places for giving of notice, to-wit:

CITY: \_\_\_\_\_ Director

City of Fort Lauderdale

Fort Lauderdale, FL \_\_\_\_\_

Telephone: (954) 828-\_\_\_\_\_

With a copy to: City Manager  
City of Fort Lauderdale  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-5364

City Attorney  
City of Fort Lauderdale  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Telephone: (954) 828-5037

CONSULTANT: NAME  
COMPANY.  
ADDRESS  
\_\_\_\_\_, Fl. 3---  
Telephone (\_\_\_\_) \_\_\_\_-\_\_\_\_  
Email: \_\_\_\_\_

#### 12.28 ATTORNEY FEES

If CITY or CONSULTANT incurs any expense in enforcing the terms of this Agreement through litigation, the prevailing party in that litigation shall be reimbursed for all such costs and expenses, including but not limited to court costs, and reasonable attorney fees incurred during litigation.

#### 12.29 PERMITS, LICENSES AND TAXES

CONSULTANT shall, at its own expense, obtain all necessary permits and licenses, pay all applicable fees, and pay all applicable sales, consumer, use and other taxes required to comply with local ordinances, state and federal law. CONSULTANT is responsible for reviewing the pertinent state statutes regarding

state taxes and for complying with all requirements therein. Any change in tax laws after the execution of this Agreement will be subject to further negotiation and CONSULTANT shall be responsible for complying with all state tax requirements.

#### 12.30 ENVIRONMENTAL, HEALTH AND SAFETY

CONSULTANT shall maintain a safe working environment during performance of the work. CONSULTANT shall comply, and shall secure compliance by its employees, agents, and subconsultants, with all applicable environmental, health, safety and security laws and regulations, and performance conditions in this Agreement. Compliance with such requirements shall represent the minimum standard required of CONSULTANT. CONSULTANT shall be responsible for examining all requirements and determine whether additional or more stringent environmental, health, safety and security provisions are required for the work. CONSULTANT agrees to utilize protective devices as required by applicable laws, regulations, and any industry or CONSULTANT's health and safety plans and regulations, and to pay the costs and expenses thereof, and warrants that all such persons shall be fit and qualified to carry out the Work.

#### 12.31 STANDARD OF CARE

CONSULTANT represents that he/she/it is qualified to perform the work, that CONSULTANT and his/her/its subconsultants possess current, valid state and/or local licenses to perform the Work, and that their services shall be performed in a manner consistent with that level of care and skill ordinarily exercised by other qualified consultants under similar circumstances.

#### 12.32 TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Agreement by CONSULTANT shall act as the execution of a Truth-in-Negotiation Certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to exclude any significant sums, by which the CITY determines that contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such contract adjustments must be made within 1 year following the end of the contract.

#### 12.33 EVALUATION

The CITY maintains the right to periodically review the performance of the CONSULTANT. This review will take into account the timely execution of Task Orders, the quality of the work performed, the cost to the CITY and the good faith efforts made by the CONSULTANT to maintain MBE/WBE participation in CITY projects. Any deficiencies in performance will be described in writing and an



opportunity afforded, where practicable, for the CONSULTANT to address and/or remedy such deficiencies.

#### 12.34 STATUTORY COMPLIANCE

CONSULTANT shall prepare all documents and other materials for the Project in accordance with all applicable rules, laws, ordinances and governmental regulations of the State of Florida, Broward County, the City of Fort Lauderdale, Florida, and all governmental agencies having jurisdiction over the services to be provided by CONSULTANT under this Agreement or over any aspect or phase of the Project.

#### 12.35 SCRUTINIZED COMPANIES

Subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), *affirmed*, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11th Cir. 2013), with regard to the "Cuba Amendment," the Contractor certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and that it does not have business operations in Cuba or Syria, as provided in Section 287.135, Florida Statutes (2021), as may be amended or revised. The Contractor certifies that it is not on the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2021), as may be amended or revised, and that it is not engaged in a boycott of Israel. The City may terminate this Agreement at the City's option if the Contractor is found to have submitted a false certification as provided under subsection (5) of Section 287.135, Florida Statutes (2021), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2021), as may be amended or revised, or is engaged in a boycott of Israel or has been engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2021), as may be amended or revised.

#### 12.36 PUBLIC RECORDS

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT CITY CLERK'S OFFICE, 100 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA, 33301, PHONE: 954-828-5002, EMAIL: PRRCONTRACT@FORTLAUDERDALE.GOV.**

**Consultant shall:**

1. Keep and maintain public records required by the City in order to perform the service.
2. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2021), as may be amended or revised, or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of this Agreement if CONSULTANT does not transfer the records to the City.
4. Upon completion of the Agreement, transfer, at no cost to the City, all public records in possession of CONSULTANT or keep and maintain public records required by the City to perform the service. If CONSULTANT transfers all public records to the City upon completion of this Agreement, CONSULTANT shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If CONSULTANT keeps and maintains public records upon completion of this Agreement, CONSULTANT shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

**12.37 INTELLECTUAL PROPERTY**

CONSULTANT shall protect and defend at CONSULTANT's expense, counsel being subject to the City's approval, and indemnify and hold harmless the City from and against any and all losses, penalties, fines, damages, settlements, judgments, claims, costs, charges, royalties, expenses, or liabilities, including any award of attorney fees and any award of costs, in connection with or arising directly or indirectly out of any infringement or allegation of infringement of any patent, copyright, or other intellectual property right in connection with the CONSULTANT's or the CITY's use of any copyrighted, patented or un-patented invention, process, article, material, or device that is manufactured, provided, or used pursuant to this Agreement. If the CONSULTANT uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs

arising from the use of such design, device, or materials in any way involved in the work.

#### **12.38 RIGHTS IN DOCUMENTS AND WORK**

Any and all reports, photographs, surveys, and other data and documents provided or created in connection with this Agreement are and shall remain the property of CITY; and CONSULTANT disclaims any copyright in such materials. In the event of and upon termination of this Agreement, any reports, photographs, surveys, and other data and documents prepared by CONSULTANT, whether finished or unfinished, shall become the property of City and shall be delivered by CONSULTANT to the CITY's Contract Administrator within seven (7) days of termination of this Agreement by either Party. Any compensation due to CONSULTANT shall be withheld until CONSULTANT delivers all documents to the CITY as provided herein.

#### **12.39 REPRESENTATION OF AUTHORITY**

Each individual executing this Agreement on behalf of a Party hereto hereby represents and warrants that he or she is, on the date he or she signs this Agreement, duly authorized by all necessary and appropriate action to execute this Agreement on behalf of such Party and does so with full legal authority.

#### **12.40 NON-DISCRIMINATION**

The CONSULTANT shall not, in any of its activities, including employment, discriminate against any individual on the basis of race, color, national origin, age, disability, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, marital status or any other protected classification as defined by applicable law.

1. The CONSULTANT certifies and represents that it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, (2019), as may be amended or revised, ("Section 2-187").
2. The failure of the CONSULTANT to comply with Section 2-187 shall be deemed to be a material breach of the Agreement, entitling the CITY to pursue any remedy stated below or any remedy provided under applicable law.
3. The CITY may terminate this Agreement if the CONSULTANT fails to comply with Section 2-187.
4. The CITY may retain all monies due or to become due until the CONSULTANT complies with Section 2-187.

5. The CONSULTANT may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

IN WITNESS OF THE FOREGOING, the Parties have set their hands and seals the day and year first written above.

**CITY**

CITY OF FORT LAUDERDALE, a Florida  
municipal corporation

By: \_\_\_\_\_  
CHRISTOPHER J LAGERBLOOM  
City Manager

ATTEST:

By: \_\_\_\_\_  
DAVID R. SOLOMAN  
City Clerk

Approved as to Legal Form:  
Alain E. Boileau, City Attorney

By: \_\_\_\_\_  
NAME  
Assistant City Attorney

WITNESSES:

MARLIN Engineering, Inc, a Florida Corporation

---

By: 

---

---

  
Print NamePrint Name: 

---

Title: 

---

---

---

  
Print Name

(CORPORATE SEAL)

STATE OF 

---

:COUNTY OF 

---

:

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this 

---

 day of 

---

 2021, by (CONTACT) as title for (COMPANY NAME), a (TYPE) corporation authorized to conduct business in the State of Florida.

---

  
(Signature of Notary Public - State of Florida)

---

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

Personally Known 

---

 OR Produced Identification 

---

  
Type of Identification Produced: 

---



## **EXHIBIT A**

### **Scope of Services**

**NON-COLLUSION STATEMENT:**

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

**NAME****RELATIONSHIPS**



In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name (Printed)

\_\_\_\_\_  
Date

**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH  
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

Authorized Signature

Print Name and Title

Date

**E-VERIFY AFFIRMATION STATEMENT**RFP/Bid /Contract No: Project Description: 

Contractor/Proposer/Bidder 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 Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder 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.

Contractor/Proposer/ Bidder Company Name: Authorized Company Person's Signature: Authorized Company Person's Title: Date: 

9/15/2020

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) PREFERENCE**

Section 2-185, Code of Ordinances of the City of Fort Lauderdale, provides for a disadvantaged business enterprise preference.

In order to be considered for a DBE Preference, a bidder must include a certification from a government agency, as applicable to the DBE Preference class claimed at the time of bid submittal.

Upon formal request of the City, based on the application of a DBE Preference the Bidder shall, within ten (10) calendar days, submit the following documentation to the DBE Class claimed:

- a) Copy of City of Fort Lauderdale current year business tax receipt, or Broward County current year business tax receipt, or State of Florida active registration and/or
- b) List of the names of all employees of the bidder and evidence of employees' residences within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the disadvantaged business enterprise preference.

**THE COMPLETE DBE PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK:** [https://library.municode.com/fl/fort\\_lauderdale/codes/code\\_of\\_ordinances?nodeId=COOR\\_CH2AD\\_ARTVFI\\_DIV2PR\\_S2-185EQOPDIBUEN&showChanges=true](https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodeId=COOR_CH2AD_ARTVFI_DIV2PR_S2-185EQOPDIBUEN&showChanges=true)

**Definitions**

- a. The term "disadvantaged class 1 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- b. The term "disadvantaged class 2 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the City with full-time employees and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- c. The term "disadvantaged class 3 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.
- d. The term "disadvantaged class 4 enterprise" shall mean any disadvantaged business enterprise that does not qualify as a Class 1, Class 2, or Class 3 business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

**DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT**

The Business identified below certifies that it qualifies for the disadvantaged business enterprise preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than **thirty (30)** calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

- |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | (Business Name) | is a disadvantaged <b>Class 1</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.           |
| (2) | (Business Name) | is a disadvantaged <b>Class 2</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the City with full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.                                                     |
| (3) | (Business Name) | is a disadvantaged <b>Class 3</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual. |
| (4) | (Business Name) | is a disadvantaged <b>Class 4</b> enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class 1, Class 2, or Class 3 business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.                                                                                                                        |
| (5) | (Business Name) | requests a <b>Conditional Class 1</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                                                                                                                                                                                 |
| (6) | (Business Name) | requests a <b>Conditional Class 2</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                                                                                                                                                                                 |

BIDDER'S COMPANY:

AUTHORIZED  
COMPANY  
PERSON:

PRINT NAME

SIGNATURE

DATE



Forms Non-Iso – revised 7/2/2021

## CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept these credit cards or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below you agree with these terms.

Please indicate which credit card payment you prefer:

☐ MasterCard

☐ Visa

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Name (Printed)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT**

Section 2-186, Code of Ordinances of the City of Fort Lauderdale, (Ordinance No. C-17-26), provides for a local business preference.

In order to be considered for a local business preference, a bidder must include the Local Business Preference Certification Statement of this bid/proposal, as applicable to the local business preference class claimed **at the time of bid submittal**.

Upon formal request of the City, based on the application of a Local Business Preference, the Bidder shall, within ten (10) calendar days, submit the following documentation for the Local Business Preference Class claimed:

- a) Copy of City of Fort Lauderdale current year business tax receipt, or Broward County current year business tax receipt, and
- b) List of the names of all employees of the bidder and evidence of employees' residences within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the local business preference.

**THE COMPLETE LOCAL BUSINESS PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK:** [https://library.municode.com/fl/fort\\_lauderdale/codes/code\\_of\\_ordinances?nodeId=COOR\\_CH2AD\\_ARTVFI\\_DIV2PR\\_S2-186LOBUPR&showChanges=true](https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodeId=COOR_CH2AD_ARTVFI_DIV2PR_S2-186LOBUPR&showChanges=true)

**Definitions:** The term "Business" shall mean a person, firm, corporation or other business entity which is duly licensed and authorized to engage in a particular work in the State of Florida. Business shall be broken down into four (4) types of classes:

1. Class A Business – shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone and staffed with full-time employees within the limits of the City, and shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
2. Class B Business - shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the City, or shall maintain a staffing level for the proposed work of at least fifty percent (50%) who are residents of the City of Fort Lauderdale.
3. Class C Business - shall mean any business that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of Broward County.
4. Class D Business – shall mean any Business that does not qualify as either a Class A, Class B, or Class C business.

**LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT**

The Business identified below certifies that it qualifies for the local business preference classification as indicated herein, and further certifies and agrees that it will re-affirm its local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this bid/proposal. Violation of the foregoing provision may result in contract termination.

- |     |  |                 |                                                                                                                                                                                                                                                                                                                                                  |
|-----|--|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) |  | (Business Name) | is a <b>Class A</b> Business as defined in City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the City of Fort Lauderdale current year Business Tax Receipt <u>and</u> a complete list of full-time employees and evidence of their addresses shall be provided within ten (10) calendar days of a formal request by the City. |
| (2) |  | (Business Name) | is a <b>Class B</b> Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the Business Tax Receipt <u>or</u> a complete list of full-time employees and evidence of their addresses shall be provided within ten (10) calendar days of a formal request by the City.                                   |
| (3) |  | (Business Name) | is a <b>Class C</b> Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186. A copy of the Broward County Business Tax Receipt shall be provided within ten (10) calendar days of a formal request by the City.                                                                                                     |
| (4) |  | (Business Name) | is a <b>Class D</b> Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec. 2-186, and does not qualify for Local Preference consideration.                                                                                                                                                                               |
| (5) |  | (Business Name) | requests a <b>Conditional Class A</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                       |
| (6) |  | (Business Name) | requests a <b>Conditional Class B</b> classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent to meet the requirements shall be provided to the City within three (3) months of entering into a contract with the City.                                                       |

BIDDER'S COMPANY:

AUTHORIZED  
COMPANY  
PERSON:

PRINT NAME

SIGNATURE

DATE

Forms Non-ISO – Revised 7/2/2021

**ARCHITECT-ENGINEER QUALIFICATIONS**OMB No.: 9000-0157  
Expires: 12/31/2006

Public reporting burden for this collection of information is estimated to average a total of 29 hours per response (25 hours for Part 1 and 4 hours for Part 2), including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (MVA), Regulatory and Federal Assistance Publications Division, GSA, Washington, DC 20405.

**PURPOSE**

Federal agencies use this form to obtain information from architect-engineer (A-E) firms about their professional qualifications. Federal agencies select firms for A-E contracts on the basis of professional qualifications as required by the Brooks A-E Act (40 U.S.C. 1101 - 1104) and Part 36 of the Federal Acquisition Regulation (FAR).

The Brooks A-E Act requires the public announcement of requirements for A-E services (with some exceptions provided by other statutes), and the selection of at least three of the most highly qualified firms based on demonstrated competence and professional qualifications according to specific criteria published in the announcement. The Act then requires the negotiation of a contract at a fair and reasonable price starting first with the most highly qualified firm.

The information used to evaluate firms is from this form and other sources, including performance evaluations, any additional data requested by the agency, and interviews with the most highly qualified firms and their references.

**GENERAL INSTRUCTIONS**

Part I presents the qualifications for a specific contract.

Part II presents the general qualifications of a firm or a specific branch office of a firm. Part II has two uses:

1. An A-E firm may submit Part II to the appropriate central, regional or local office of each Federal agency to be kept on file. A public announcement is not required for certain contracts, and agencies may use Part II as a basis for selecting at least three of the most highly qualified firms for discussions prior to requesting submission of Part I. Firms are encouraged to update Part II on file with agency offices, as appropriate, according to FAR Part 36. If a firm has branch offices, submit a separate Part II for each branch office seeking work.

2. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team.

**INDIVIDUAL AGENCY INSTRUCTIONS**

Individual agencies may supplement these instructions. For example, they may limit the number of projects or number of

pages submitted in Part I in response to a public announcement for a particular project. Carefully comply with any agency instructions when preparing and submitting this form. Be as concise as possible and provide only the information requested by the agency.

**DEFINITIONS**

**Architect-Engineer Services:** Defined in FAR 2.101.

**Branch Office:** A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

**Discipline:** Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

**Firm:** Defined in FAR 36.102.

**Key Personnel:** Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

**SPECIFIC INSTRUCTIONS****Part I - Contract-Specific Qualifications****Section A. Contract Information.**

1. **Title and Location.** Enter the title and location of the contract for which this form is being submitted, exactly as shown in the public announcement or agency request.
2. **Public Notice Date.** Enter the posted date of the agency's notice on the Federal Business Opportunity website (FedBizOpps), other form of public announcement or agency request for this contract.
3. **Solicitation or Project Number.** Enter the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request for this contract.

**Section B. Architect-Engineer Point of Contact.**

4-8. **Name, Title, Name of Firm, Telephone Number, Fax (Facsimile) Number and E-mail (Electronic Mail) Address.** Provide information for a representative of the prime contractor or joint venture that the agency can contact for additional information.



**Section C. Proposed Team.**

9-11. Firm Name, Address, and Role in This Contract. Provide the contractual relationship, name, full mailing address, and a brief description of the role of each firm that will be involved in performance of this contract. List the prime contractor or joint venture partners first. If a firm has branch offices, indicate each individual branch office that will have a key role on the team. The named subcontractors and outside associates or consultants must be used, and any change must be approved by the contracting officer. (See FAR Part 52 Clause "Subcontractors and Outside Associates and Consultants (Architect-Engineer Services)".) Attach an additional sheet in the same format as Section C if needed.

**Section D. Organizational Chart of Proposed Team.**

As an attachment after Section C, present an organizational chart of the proposed team showing the names and roles of all key personnel listed in Section E and the firm they are associated with as listed in Section C.

**Section E. Resumes of Key Personnel Proposed for This Contract.**

Complete this section for each key person who will participate in this contract. Group by firm, with personnel of the prime contractor or joint venture partner firms first. The following blocks must be completed for each resume:

12. Name. Self-explanatory.

13. Role in This Contract. Self-explanatory.

14. Years Experience. Total years of relevant experience (block 14a), and years of relevant experience with current firm, but not necessarily the same branch office (block 14b).

15. Firm Name and Location. Name, city and state of the firm where the person currently works, which must correspond with one of the firms (or branch office of a firm, if appropriate) listed in Section C.

16. Education. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.

17. Current Professional Registration. Provide information on current relevant professional registration(s) in a State or possession of the United States, Puerto Rico, or the District of Columbia according to FAR Part 36.

18. Other Professional Qualifications. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.

19. Relevant Projects. Provide information on up to five projects in which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section F for the project team if the person was not involved in any of those projects or the person worked on other projects that were more relevant than the team projects in Section F. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role (block (3)).

**Section F. Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract.**

Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section F for each project. Present ten projects, unless otherwise specified by the agency. Complete the following blocks for each project:

20. Example Project Key Number. Start with "1" for the first project and number consecutively.

21. Title and Location. Title and location of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.

22. Year Completed. Enter the year completed of the professional services (such as planning, engineering study, design, or surveying), and/or the year completed of construction, if applicable. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block 24).

23a. Project Owner. Project owner or user, such as a government agency or installation, an institution, a corporation or private individual.

23b. Point of Contact Name. Provide name of a person associated with the project owner or the organization which contracted for the professional services, who is very familiar with the project and the firm's (or firms') performance.

23c. Point of Contact Telephone Number Self-explanatory.

24. Brief Description of Project and Relevance to This Contract. Indicate scope, size, cost, principal elements and special features of the project. Discuss the relevance of the example project to this contract. Enter any other information requested by the agency for each example project.

25. Firms from Section C Involved with This Project. Indicate which firms (or branch offices, if appropriate) on the project team were involved in the example project, and their roles. List in the same order as Section C.

**Section G. Key Personnel Participation in Example Projects.**

This matrix is intended to graphically depict which key personnel identified in Section E worked on the example projects listed in Section F. Complete the following blocks (see example below).

26. and 27. Names of Key Personnel and Role in This Contract. List the names of the key personnel and their proposed roles in this contract in the same order as they appear in Section E.

28. Example Projects Listed in Section F. In the column under each project key number (see block 29) and for each key person, place an "X" under the project key number for participation in the same or similar role.

29. Example Projects Key. List the key numbers and titles of the example projects in the same order as they appear in Section F.

**Section H. Additional Information.**

30. Use this section to provide additional information specifically requested by the agency or to address selection criteria that are not covered by the information provided in Sections A-G.

**Section I. Authorized Representative.**

31. and 32. Signature of Authorized Representative and Date. An authorized representative of a joint venture or the prime contractor must sign and date the completed form. Signing attests that the information provided is current and factual, and that all firms on the proposed team agree to work on the project. Joint ventures selected for negotiations must make available a statement of participation by a principal of each member of the joint venture.

33. Name and Title. Self-explanatory.

**SAMPLE ENTRIES FOR SECTION G (MATRIX)**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Jane A. Smith	Chief Architect	X		X							
Joseph B. Williams	Chief Mech. Engineer	X	X	X	X						
Tara C. Donovan	Chief Elec. Engineer	X	X		X						

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Federal Courthouse, Denver, CO	6	XYZ Corporation Headquarters, Boston, MA
2	Justin J. Wilson Federal Building, Baton Rouge, LA	7	Founder's Museum, Newport RI

**Part II - General Qualifications**

See the "General Instructions" on page 1 for firms with branch offices. Prepare Part II for the specific branch office seeking work if the firm has branch offices.

1. Solicitation Number. If Part II is submitted for a specific contract, insert the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request.

2a-2e. Firm (or Branch Office) Name and Address. Self-explanatory.

3. Year Established. Enter the year the firm (or branch office, if appropriate) was established under the current name.

4. DUNS Number. Insert the Data Universal Numbering System number issued by Dun and Bradstreet Information Services. Firms must have a DUNS number. See FAR Part 4.6.

5. Ownership.

a. Type. Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

b. Small Business Status. Refer to the North American Industry Classification System (NAICS) code in the public announcement, and indicate if the firm is a small business according to the current size standard for that NAICS code (for example, Engineering Services (part of NAICS 541330), Architectural Services (NAICS 541310), Surveying and Mapping Services (NAICS 541370)). The small business categories and the internet website for the NAICS codes appear in FAR Part 19. Contact the requesting agency for any questions. Contact your local U.S. Small Business Administration office for any questions regarding Business Status.

6a-6c. Point of Contact. Provide this information for a representative of the firm that the agency can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

7. Name of Firm. Enter the name of the firm if Part II is prepared for a branch office.

8a-8c. Former Firm Names. Indicate any other previous names for the firm (or branch office) during the last six years. Insert the year that this corporate name change was

effective and the associated DUNS Number. This information is used to review past performance on Federal contracts.

9. Employees by Discipline. Use the relevant disciplines and associated function codes shown at the end of these instructions and list in the same numerical order. After the listed disciplines, write in any additional disciplines and leave the function code blank. List no more than 20 disciplines. Group remaining employees under "Other Employees" in column b. Each person can be counted only once according to his/her primary function. If Part II is prepared for a firm (including all branch offices), enter the number of employees by disciplines in column c(1). If Part II is prepared for a branch office, enter the number of employees by discipline in column c(2) and for the firm in column c(1).

10. Profile of Firm's Experience and Annual Average Revenue for Last 5 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the experience categories which most accurately reflect the firm's technical capabilities and project experience. Use the relevant experience categories and associated profile codes shown at the end of these instructions, and list in the same numerical order. After the listed experience categories, write in any unlisted relevant project experience categories and leave the profile codes blank. For each type of experience, enter the appropriate revenue index number to reflect the professional services revenues received annually (averaged over the last 5 years) by the firm or branch office for performing that type of work. A particular project may be identified with one experience category or it may be broken into components, as best reflects the capabilities and types of work performed by the firm. However, do not double count the revenues received on a particular project.

11. Annual Average Professional Services Revenues of Firm for Last 3 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the appropriate revenue index numbers to reflect the professional services revenues received annually (averaged over the last 3 years) by the firm or branch office. Indicate Federal work (performed directly for the Federal Government, either as the prime contractor or subcontractor), non-Federal work (all other domestic and foreign work, including Federally-assisted projects), and the total. If the firm has been in existence for less than 3 years, see the definition for "Annual Receipts" under FAR 19.101.

12. Authorized Representative. An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

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List of Disciplines (Function Codes)

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Code	Description	Code	Description
01	Acoustical Engineer	32	Hydraulic Engineer
02	Administrative	33	Hydrographic Surveyor
03	Aerial Photographer	34	Hydrologist
04	Aeronautical Engineer	35	Industrial Engineer
05	Archeologist	36	Industrial Hygienist
06	Architect	37	Interior Designer
07	Biologist	38	Land Surveyor
08	CADD Technician	39	Landscape Architect
09	Cartographer	40	Materials Engineer
10	Chemical Engineer	41	Materials Handling Engineer
11	Chemist	42	Mechanical Engineer
12	Civil Engineer	43	Mining Engineer
13	Communications Engineer	44	Oceanographer
14	Computer Programmer	45	Photo Interpreter
15	Construction Inspector	46	Photogrammetrist
16	Construction Manager	47	Planner: Urban/Regional
17	Corrosion Engineer	48	Project Manager
18	Cost Engineer/Estimator	49	Remote Sensing Specialist
19	Ecologist	50	Risk Assessor
20	Economist	51	Safety/Occupational Health Engineer
21	Electrical Engineer	52	Sanitary Engineer
22	Electronics Engineer	53	Scheduler
23	Environmental Engineer	54	Security Specialist
24	Environmental Scientist	55	Soils Engineer
25	Fire Protection Engineer	56	Specifications Writer
26	Forensic Engineer	57	Structural Engineer
27	Foundation/Geotechnical Engineer	58	Technician/Analyst
28	Geodetic Surveyor	59	Toxicologist
29	Geographic Information System Specialist	60	Transportation Engineer
30	Geologist	61	Value Engineer
31	Health Facility Planner	62	Water Resources Engineer

## List of Experience Categories (Profile Codes)

Code	Description	Code	Description
A01	Acoustics, Noise Abatement	E01	Ecological & Archeological Investigations
A02	Aerial Photography; Airborne Data and Imagery Collection and Analysis	E02	Educational Facilities; Classrooms
A03	Agricultural Development; Grain Storage; Farm Mechanization	E03	Electrical Studies and Design
A04	Air Pollution Control	E04	Electronics
A05	Airports; Nav aids; Airport Lighting; Aircraft Fueling	E05	Elevators; Escalators; People-Movers
A06	Airports; Terminals and Hangars; Freight Handling	E06	Embassies and Chanceries
A07	Arctic Facilities	E07	Energy Conservation; New Energy Sources
A08	Animal Facilities	E08	Engineering Economics
A09	Anti-Terrorism/Force Protection	E09	Environmental Impact Studies, Assessments or Statements
A10	Asbestos Abatement	E10	Environmental and Natural Resource Mapping
A11	Auditoriums & Theaters	E11	Environmental Planning
A12	Automation; Controls; Instrumentation	E12	Environmental Remediation
		E13	Environmental Testing and Analysis
B01	Barracks; Dormitories	F01	Fallout Shelters; Blast-Resistant Design
B02	Bridges	F02	Field Houses; Gyms; Stadiums
C01	Cartography	F03	Fire Protection
C02	Cemeteries ( <i>Planning &amp; Relocation</i> )	F04	Fisheries; Fish ladders
C03	Charting: Nautical and Aeronautical	F05	Forensic Engineering
C04	Chemical Processing & Storage	F06	Forestry & Forest products
C05	Child Care/Development Facilities		
C06	Churches; Chapels	G01	Garages; Vehicle Maintenance Facilities; Parking Decks
C07	Coastal Engineering	G02	Gas Systems (Propane; Natural, Etc.)
C08	Codes; Standards; Ordinances	G03	Geodetic Surveying: Ground and Airborne
C09	Cold Storage; Refrigeration and Fast Freeze	G04	Geographic Information System Services: Development, Analysis, and Data Collection
C10	Commercial Building ( <i>low rise</i> ); Shopping Centers	G05	Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting
C11	Community Facilities	G06	Graphic Design
C12	Communications Systems; TV; Microwave	H01	Harbors; Jetties; Piers, Ship Terminal Facilities
C13	Computer Facilities; Computer Service	H02	Hazardous Materials Handling and Storage
C14	Conservation and Resource Management	H03	Hazardous, Toxic, Radioactive Waste Remediation
C15	Construction Management	H04	Heating; Ventilating; Air Conditioning
C16	Construction Surveying	H05	Health Systems Planning
C17	Corrosion Control; Cathodic Protection; Electrolysis	H06	Highrise; Air-Rights-Type Buildings
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	H07	Highways; Streets; Airfield Paving; Parking Lots
C19	Cryogenic Facilities	H08	Historical Preservation
D01	Dams ( <i>Concrete; Arch</i> )	H09	Hospital & Medical Facilities
D02	Dams ( <i>Earth; Rock</i> ); Dikes; Levees	H10	Hotels; Motels
D03	Desalinization ( <i>Process &amp; Facilities</i> )	H11	Housing ( <i>Residential, Multi-Family; Apartments; Condominiums</i> )
D04	Design-Build - Preparation of Requests for Proposals	H12	Hydraulics & Pneumatics
D05	Digital Elevation and Terrain Model Development	H13	Hydrographic Surveying
D06	Digital Orthophotography		
D07	Dining Halls; Clubs; Restaurants		
D08	Dredging Studies and Design		

## List of Experience Categories (Profile Codes)

Code	Description	Code	Description
I01	Industrial Buildings; Manufacturing Plants	P09	Product, Machine Equipment Design
I02	Industrial Processes; Quality Control	P10	Pneumatic Structures, Air-Support Buildings
I03	Industrial Waste Treatment	P11	Postal Facilities
I04	Intelligent Transportation Systems	P12	Power Generation, Transmission, Distribution
I05	Interior Design; Space Planning	P13	Public Safety Facilities
I06	Irrigation; Drainage		
J01	Judicial and Courtroom Facilities	R01	Radar; Sonar; Radio & Radar Telescopes
L01	Laboratories; Medical Research Facilities	R02	Radio Frequency Systems & Shieldings
L02	Land Surveying	R03	Railroad; Rapid Transit
L03	Landscape Architecture	R04	Recreation Facilities (Parks, Marinas, Etc.)
L04	Libraries; Museums; Galleries	R05	Refrigeration Plants/Systems
L05	Lighting (Interior; Display; Theater, Etc.)	R06	Rehabilitation (Buildings; Structures; Facilities)
L06	Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	R07	Remote Sensing
M01	Mapping Location/Addressing Systems	R08	Research Facilities
M02	Materials Handling Systems; Conveyors; Sorters	R09	Resources Recovery; Recycling
M03	Metallurgy	R10	Risk Analysis
M04	Microclimatology; Tropical Engineering	R11	Rivers; Canals; Waterways; Flood Control
M05	Military Design Standards	R12	Roofing
M06	Mining & Mineralogy	S01	Safety Engineering; Accident Studies; OSHA Studies
M07	Missile Facilities (Silos; Fuels; Transport)	S02	Security Systems; Intruder & Smoke Detection
M08	Modular Systems Design; Pre-Fabricated Structures or Components	S03	Seismic Designs & Studies
N01	Naval Architecture; Off-Shore Platforms	S04	Sewage Collection, Treatment and Disposal
N02	Navigation Structures; Locks	S05	Soils & Geologic Studies; Foundations
N03	Nuclear Facilities; Nuclear Shielding	S06	Solar Energy Utilization
O01	Office Buildings; Industrial Parks	S07	Solid Wastes; Incineration; Landfill
O02	Oceanographic Engineering	S08	Special Environments; Clean Rooms, Etc.
O03	Ordnance; Munitions; Special Weapons	S09	Structural Design; Special Structures
P01	Petroleum Exploration; Refining	S10	Surveying; Platting; Mapping; Flood Plain Studies
P02	Petroleum and Fuel (Storage and Distribution)	S11	Sustainable Design
P03	Photogrammetry	S12	Swimming Pools
P04	Pipelines (Cross-Country - Liquid & Gas)	S13	Storm Water Handling & Facilities
P05	Planning (Community, Regional, Areawide and State)	T01	Telephone Systems ( <i>Rural; Mobile; Intercom, Etc.</i> )
P06	Planning (Site, Installation, and Project)	T02	Testing & Inspection Services
P07	Plumbing & Piping Design	T03	Traffic & Transportation Engineering
P08	Prisons & Correctional Facilities	T04	Topographic Surveying and Mapping
		T05	Towers ( <i>Self-Supporting &amp; Guyed Systems</i> )
		T06	Tunnels & Subways



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**List of Experience Categories (Profile Codes)**

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<b>Code</b>	<b>Description</b>
U01	Unexploded Ordnance Remediation
U02	Urban Renewals; Community Development
U03	Utilities (Gas and Steam)
V01	Value Analysis; Life-Cycle Costing
W01	Warehouses & Depots
W02	Water Resources; Hydrology; Ground Water
W03	Water Supply; Treatment and Distribution
W04	Wind Tunnels; Research/Testing Facilities Design
Z01	Zoning; Land Use Studies

# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

### C. PROPOSED TEAM

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

	(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V	PARTNER	SUBCON-TRACTOR			
a.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
b.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☐ (Attached)

### E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (City and State)			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

### 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>		
<b>21. TITLE AND LOCATION (City and State)</b>	<b>22. YEAR COMPLETED</b> <table style="width: 100%; border: none;"> <tr> <td style="border: none; width: 50%;">PROFESSIONAL SERVICES</td> <td style="border: none; width: 50%;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>			
<b>23. PROJECT OWNER'S INFORMATION</b>				
<b>a. PROJECT OWNER</b>	<b>b. POINT OF CONTACT NAME</b>	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b>		
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i></b>				

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
<b>a.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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**H. ADDITIONAL INFORMATION**

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

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**I. AUTHORIZED REPRESENTATIVE**

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

33. NAME AND TITLE

---

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## 1. SOLICITATION NUMBER (If any)

**PART II - GENERAL QUALIFICATIONS**  
(If a firm has branch offices, complete for each specific branch office seeking work.)

[illegible]

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work		1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work		2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work		3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

**The foregoing is a statement of facts.**

a. SIGNATURE		b. DATE
c. NAME AND TITLE		

**ADDENDUM NO. 1**

**RFP/ ITB No 12637-421**

**ISSUED: 3/11/2022**

This addendum is being issued to make the following change(s):

1. The city prefers form sf330 but use of the form is optional as long as all information on the form is provided. Form is now provided in the solicitation.
2. Local business preference form has been added.

All other terms, conditions, and specifications remain unchanged.

Mary Kleinpeter-Zamora  
Purchasing Administrator

Company Name: \_\_\_\_\_  
(please print)

Bidder's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**BID/PROPOSAL CERTIFICATION**

**Please Note:** It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through [www.BidSync.com](http://www.BidSync.com) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration)

EIN (Optional):

Address:

City:

State:

Zip:

Telephone No.:

FAX No.:

Email:

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions):

Total Bid Discount (section 1.05 of General Conditions):

Check box if your firm qualifies for MBE / SBE / WBE (section 1.09 of General Conditions): ☐

**ADDENDUM ACKNOWLEDGEMENT** - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>

**VARIANCES:** If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. **You must also click the "Take Exception" button.**

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal.

I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages,

expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Name (printed)

Signature

Date

Title

Revised 4/28/2020

**ADDENDUM NO. 2**

RFP/ ITB No.  
TITLE: Civil Engineering services

ISSUED: March 28, 2022

This addendum is being issued to make the following change(s):

1. The opening date has been changed to March 31,2022.

All other terms, conditions, and specifications remain unchanged.

Mary Kleinpeter-Zamora  
Purchasing Administrator

Company Name: \_\_\_\_\_  
(please print)

Bidder's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## Question and Answers for Bid #12637-421 - Civil Engineering services

### Overall Bid Questions

#### Question 1

Are the CCNA limits for the work orders under this contract updated to reflect the new legislation? The bill increased the maximum limit for continuing contracts covered by the CCNA from an estimated per- project construction cost of \$2 million to \$4 million. The bill also increases the maximum limit for procuring a study using a continuing contract from \$200,000 per study to \$500,000 (Submitted: Feb 28, 2022 9:54:37 AM EST)

#### Answer

- The contract will be following the newest legislation with the increased amount (Answered: Mar 1, 2022 6:40:02 AM EST)

#### Question 2

How does this contract differ from the selection of consultants under RFQ 12464-416 in June of 2021? (Submitted: Feb 28, 2022 9:55:49 AM EST)

#### Answer

- This contract will be in addition to the already existing contract (Answered: Mar 1, 2022 6:40:02 AM EST)

#### Question 3

Can you prime this contract and be a subconsultant on another team? (Submitted: Feb 28, 2022 9:56:05 AM EST)

#### Answer

- Yes (Answered: Mar 1, 2022 6:40:02 AM EST)

#### Question 4

Does the City wish to see a complete team to fulfill 3.13 Functional Areas of Interest as listed on page 18 of the RFQ or do you wish to see a firm submit only on the functional areas that they can complete in-house? (Submitted: Feb 28, 2022 9:59:40 AM EST)

#### Answer

- The team must be functional in areas listed in section 3:13, sub-consultants may be used (Answered: Mar 1, 2022 6:40:02 AM EST)

#### Question 5

Is this solicitation a Re-Bid of the Library of Services that was due in February last year? If not, how does this differ from that Library? Thank you (Submitted: Feb 28, 2022 1:45:27 PM EST)

#### Answer

- Please see the answer to question #2 above for your first question. 7 to 10 firms with subs will be selected to be used for civil consulting services for city projects (Answered: Mar 1, 2022 10:28:00 AM EST)

#### Question 6



Can we submit just for geotechnical OR does the city prefer a team with subconsultants?  
(Submitted: Mar 1, 2022 11:05:44 AM EST)

**Answer**

- The submittal must cover all the Functional areas of Interest outlined in the RFQ.  
(Answered: Mar 2, 2022 12:39:08 PM EST)

**Question 7**

On Page 21 of 27, Section 4.2 of the RFQ states "The City prefers that responses be no more than 100 pages in one complete pdf document." Will the forms (including Standard Form 330), and licenses be excluded from the 100 page count?  
(Submitted: Mar 1, 2022 1:11:55 PM EST)

**Answer**

- No  
(Answered: Mar 2, 2022 12:39:08 PM EST)
- Please see response to questions #13  
(Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 8**

What is the nature of the scope on the anticipated projects to be included in this contract? Water, waste water, stormwater, etc?  
(Submitted: Mar 2, 2022 10:31:11 AM EST)

**Answer**

- Please see response to questions #13  
(Answered: Mar 11, 2022 10:52:02 AM EST)

**Question 9**

Will the City be more specific regarding whether consultants are able to pursue one functional area vs. supplying a complete team for all functional areas?  
(Submitted: Mar 2, 2022 10:55:15 AM EST)

**Answer**

- Consultant submittals, can be 1 firm demonstrating proficiency in all the functional areas listed in the RFQ, or can be a team consisting of a prime and subs covering these areas. Regardless, the submittal package must show proficiency in all the functional areas listed.  
(Answered: Mar 4, 2022 5:15:40 PM EST)

**Question 10**

Please confirm that the Required Form referenced in Section 4.2.9 Bid/Proposal Certification is the same as the Disadvantaged Business Enterprise (DBE) Preference Form Certification form provided.  
(Submitted: Mar 2, 2022 4:45:18 PM EST)

**Answer**

- This form does not apply to RFQs. This form is only for ITBs. The form is not required.  
(Answered: Mar 4, 2022 5:15:40 PM EST)

**Question 11**

RFQ Section 3.13 states Functional Areas of Interest. Even within a specific area there are broad definitions. Can you provide a more detailed description for each area?  
(Submitted: Mar 3, 2022 12:31:46 PM EST)

**Answer**

- We feel that the Functional Areas of Interest as listed in the RFQ are self-explanatory and do not require any further detailing. (Answered: Mar 4, 2022 5:15:40 PM EST)

#### Question 12

In regards to the 100 page limit. Please advise if anything is not included in that count ie covers, tab (Submitted: Mar 4, 2022 1:37:02 PM EST)

#### Answer

- The forms required are not included. All else is included in the 100 pages (Answered: Mar 4, 2022 5:15:40 PM EST)

#### Question 13

Section 3.3 lists a number of Tasks that could be subjectively applicable to one or more of the Functional Areas of Interest in Section 3.13. In order to provide a complete response that is acceptable to the City, can the City provide its interpretation of specifically which Tasks (Section 3.3) should be addressed under each Functional Area of Interest? For example if a firm wishes to be considered for Transportation Engineering only, then please identify which Tasks in Section 3.3 needs to be addressed in the response. The same is being requested for the other Functional Areas. (Submitted: Mar 4, 2022 2:57:17 PM EST)

#### Answer

- This is a general civil services contract, with the majority of the projects focusing on the design and permitting of water, sewer, stormwater and roadway improvements throughout the City. The selected firms must demonstrate proficiency in general civil design. However should the need arise for geotechnical, environmental, structural, mechanical etc, as sometimes it has in the past, the selected firm(s) must have the ability, either in-house, or using subs to address these "functional areas" needed. This should be showcased in the submittals, but we are not necessary looking for large teams with members specializing in each of the functional areas listed, nor are we looking for sperate submittals for each of the "functional areas" as it was done in the previous "library of consultants" RFQ. (Answered: Mar 8, 2022 6:41:13 PM EST)

#### Question 14

Given that a firm would like to be considered for multiple Functional Areas (Section 3.13), is the City looking for one proposal from each firm, that identifies all the Functional Areas for consideration? or is a separate submission package required for each Functional Area? (Submitted: Mar 4, 2022 2:58:10 PM EST)

#### Answer

- Please see response to #13 above (Answered: Mar 8, 2022 6:41:13 PM EST)

#### Question 15

Does the City want us to split up the SF-330 forms into sections 4.2.3 and 4.2.4, as opposed to submitting a complete 330 set? (Submitted: Mar 4, 2022 5:14:05 PM EST)

#### Answer

- This is up to proposer. (Answered: Mar 28, 2022 1:16:29 PM EDT)

#### Question 16

Please clarify on what exactly the City is looking for, as sections 3.2 and 3.13 conflict one another:

3.2 states: The selected consultants must be able to provide all the services required of any civil engineering project and associated planning services through its own staff or sub-consultants.

Then, 3.13 states: The consultant shall identify in their response to this RFQ the functional areas for which it particularly wishes to specialize. Multiple firms will be selected, and multiple firms may be selected for more than one (1) functional area.

Thank you! (Submitted: Mar 7, 2022 6:42:59 AM EST)

**Answer**

- Please see response to question #13 above. We are looking for one submittal specializing in the general civil and with the option to address smaller the disciplines should in the need arise. Not specialized submittals for each functional areas as it was done in the library of consultant RFQ (Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 17**

Under Section 4.2.3 - Firm Qualifications and Experience, it states a Standard Form 330 may be used to provide this information. It also says on 4.2.4 Qualifications of the Project Team in bold (on a Standard Form 330 if you choose), but under the Weighted Criteria, it states respondents should submit a complete Standard Form 330. This language is a bit confusing and we would like to know what the City itself prefers for consultants to provide. (Submitted: Mar 7, 2022 9:08:18 AM EST)

**Answer**

- Please see response to #13 above (Answered: Mar 8, 2022 6:41:13 PM EST)

**Question 18**

Please provide the Local Business Preference Certification form (Submitted: Mar 7, 2022 2:12:24 PM EST)

**Answer**

- See addendum 1 (Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 19**

If a firm has already been selected for RFQ 12464-416 –CCNA – Professional Services Library, Continuing Services Contract, should they also submit to be on the pool for this solicitation (Submitted: Mar 7, 2022 3:42:32 PM EST)

**Answer**

- Please see response to question 2 (Answered: Mar 8, 2022 6:41:13 PM EST)

**Question 20**

Under Section 4.2.3 - Firm Qualifications and Experience, it states a Standard Form 330 MAY BE used to provide this information. It also says on 4.2.4 Qualifications of the Project Team in bold (on a Standard Form 330 if you choose), but under the Weighted Criteria, it states respondents SHOULD submit a complete Standard Form 330. Is the SF 330 form required. Also, is the SF 330 part of the 100 page limit (Submitted: Mar 7, 2022 4:20:02 PM EST)

**Answer**

- See addendum 1 no required forms are part of the 100 pages (Answered: Mar 9, 2022 11:40:27 AM EST)

**Question 21**

Please indicate which Functional Area does Water Treatment and/or Wastewater Treatment scope tasks belong? (Submitted: Mar 9, 2022 9:07:34 AM EST)

**Answer**

- This RFQ does not require any category of functional area. The solicitation document is for civil engineering. Unlike the professional library, teams are encouraged. Functional areas that may be required are listed in the solicitation. See answer to question 13(Answered: Mar 9, 2022 11:45:53 AM EST)

**Question 22**

Does the City have their own MBE requirements or will FDOT certificate suffice?(Submitted: Mar 9, 2022 10:39:52 AM EST)

**Answer**

- City has a DBE program and local business program. Please refer to the solicitation and attached forms.  
(Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 23**

Question 20's Answer - Mar 09, 2022 11:40:27 AM EST - states "See addendum 1"  
When will this addendum be issued?(Submitted: Mar 9, 2022 5:40:05 PM EST)

**Answer**

- Addendum 1 will be issued by COB March 11, 2022(Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 24**

To respond thoroughly to the proposal requirements for this important contract, would the City consider an extension to its due date?(Submitted: Mar 10, 2022 11:53:45 AM EST)

**Answer**

- I don't think an extension is warranted, there is still 17 days left on the advertisement, plenty of time(Answered: Mar 11, 2022 10:42:46 AM EST)

**Question 25**

Please answer question 15. Also, page count was not addressed in Addendum #1 as referenced in answer 20. Do the SF 330s count as part of the page count? I apologize but it is a little confusing(Submitted: Mar 11, 2022 3:17:58 PM EST)

**Answer**

- As mentioned above in question 12(Answered: Mar 15, 2022 3:03:03 PM EDT)

**Question 26**

Please provide the Bid/Proposal Certification Form requested in Section 4.2.9(Submitted: Mar 14, 2022 10:11:28 AM EDT)

**Answer**

- This form is not required at this time(Answered: Mar 15, 2022 2:59:04 PM EDT)

**Question 27**

Good morning. I was going over the Q&A and it seems that the rules have changed regarding the Function Areas of Interest. The RFQ clearly states that "The consultant shall identify in their response to this RFQ the

functional areas for which it particularly wishes to specialize". However, now the City wants that each team covers all of the Function Areas of Interest? When and why did that change from the original RFQ? Please clarify  
(Submitted: Mar 16, 2022 10:35:51 AM EDT)

**Answer**

- Please see response to question #13 above, we feel that adequate clarification has been provided on this matter.  
(Answered: Mar 17, 2022 2:23:50 PM EDT)

**Question 28**

Page 10 of 27 of the RFQ (this refers to the page numbering at the bottom of RFQ, lower right hand corner) states: "A Sample Insurance Certificate shall be included with the proposal to demonstrate the firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the insurance companies' names for all required coverage, and the dollar amounts of the coverage."

Please confirm that a sample insurance certificate only needs to be included in the proposal for the prime firm.  
(Submitted: Mar 16, 2022 11:43:07 AM EDT)

**Answer**

- Yes Only for the prime.(Answered: Mar 17, 2022 2:23:50 PM EDT)

**Question 29**

Page 10 of 27 of the RFQ, section 2.16, Insurance - Subconsultants, state: "Consultant shall require all of its sub-consultants to provide the aforementioned coverage as well as any other coverage that the consultant may consider necessary, and any deficiency in the coverage or policy limits of said sub-consultants will be the sole responsibility of the consultant."

Please confirm that the above insurance language is applicable upon contract award and that we do not need to include sample insurance certificates for our subconsultants in the proposal.  
(Submitted: Mar 16, 2022 11:46:02 AM EDT)

**Answer**

- correct and confirmed.(Answered: Mar 17, 2022 2:23:50 PM EDT)

**Question 30**

Do firms need to provide comments and exceptions to the sample contract with their submittal or will that happen when contract is awarded? If so, would this be a separate attachment?  
(Submitted: Mar 18, 2022 9:42:12 AM EDT)

**Answer**

- All comments / exceptions, etc. must be submitted with your proposal. It may be a separate Doc, however these is a space provided on the Proposal Signature Page as well.  
(Answered: Mar 23, 2022 7:52:33 AM EDT)

**Question 31**

Can further clarification be given to the scope of services required for water resources engineering and hydrology and hydraulic engineering?  
(Submitted: Mar 21, 2022 2:39:19 PM EDT)

**Answer**

- : We believe the terms are self-explanatory any firm that has performed stormwater design and permitting

should be very familiar with the terminology(Answered: Mar 28, 2022 3:33:09 PM EDT)

**Question 32**

Statement of Local Business Preference – Per the ordinance, local businesses will receive a scoring advantage, but this isn't outlined in the scoring criteria for the RFQ. Will this be implemented on RFQ scoring or taken into consideration for the individual task orders?(Submitted: Mar 21, 2022 2:39:38 PM EDT)

**Answer**

- It will be taken in account at time of scoring RFQ(Answered: Mar 24, 2022 3:06:20 PM EDT)





## DOCUMENT ROUTING FORM

Rev: 3 | Revision Date: 9/1/2022

TODAY'S DATE: 3/24/23DOCUMENT TITLE: Agreement for Civil Engineering Services with AECOM Technical Services Inc. RFQ No. 12637-421COMM. MTG. DATE: 2/21/23 CAM #: 23-0069 ITEM #: M-2 CAM attached: ☒ YES ☐ NORouting Origin: \_\_\_\_\_ Router Name/Ext: \_\_\_\_\_ Action Summary attached: ☐ YES ☒ NOCIP FUNDED: ☒ YES ☐ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include land, real estate, realty, or real.

2) City Attorney's Office: Documents to be signed/routed? ☒ YES ☐ NO # of originals attached: 1Is attached Granicus document Final? ☒ YES ☐ NO Approved as to Form: ☒ YES ☐ NODate to CCO: 3/24/23 Attorney's Name: Rhonda Montoya Hasan Initials: RMH3) City Clerk's Office: # of originals: 1 Routed to: \_\_\_\_\_ Ext: \_\_\_\_\_ Date: 03/24/234) City Manager's Office: CMO LOG #: MAR-59 Document received from: CCO 03/24/23Assigned to: GREG CHAVARRIA ☐ ANTHONY FAJARDO ☐ SUSAN GRANT ☐GREG CHAVARRIA as CRA Executive Director ☐☐ APPROVED FOR G. CHAVARRIA'S SIGNATURE ☐ N/A G. CHAVARRIA TO SIGN

PER ACM: A. FAJARDO \_\_\_\_\_ (Initial)

S. GRANT \_\_\_\_\_ (Initial)

☐ PENDING APPROVAL (See comments below)

Comments/Questions: \_\_\_\_\_

Forward 1 originals to ☐ Mayor ☒ CCO Date: 3/27/23

5) Mayor/CRA Chairman: Please sign as indicated.

Forward \_\_\_\_\_ originals to CCO for attestation/City seal (as applicable) Date: \_\_\_\_\_

## INSTRUCTIONS TO CITY CLERK'S OFFICE

City Clerk: Retains 1 original and forwards 1 originals to: FRISeta (Name/Dept/Ext)Attach \_\_\_\_\_ certified Reso # \_\_\_\_\_ ☐ YES ☐ NO

Original Route form to CAO

TH# 23-0198