

Carollo Engineers, Inc.

Bid Contact **Laura Baumberger**
lbaumberger@carollo.com
Ph 941-371-9832

Address **301 N Cattlemen Road**
Suite 302
Sarasota, FL 34232

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PSEN-18-02--01-01	Please submit documents here.	Supplier Product Code:	First Offer -	1 / each	Y	Y
Supplier Total					\$0.00	

Carollo Engineers, Inc.

Item: **Please submit documents here.**

Attachments

PembrokePinesArch-EngSvcQ_0718.pdf



Professional Service Providers

QUALIFICATIONS | # PSEN-18-02 | JULY 2018


Engineers...Working Wonders With Water®

TITLE PAGE

RFQ # PSEN-18-02
Professional Service Providers (Architectural,
Engineering, Surveying & Mapping)

July 24, 2018
Carollo Engineers, Inc.
3440 Hollywood Blvd., Suite 465
Hollywood, FL 33021
954-414-8645
Csinclair@carollo.com

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TAB 1 - LETTER OF INTEREST



3440 Hollywood Blvd., Suite 465, Hollywood, FL 33021
P. 954.837.0030 F. 954.837.0035

July 24, 2018

The City of Pembroke Pines
Purchasing Division
8300 South Palm Drive
Pembroke Pines, FL 33025

Subject: Proposal for Professional Service Providers (Architectural, Engineering, Surveying & Mapping (RFQ# PSEN-18-02), Treatment Plant Process Engineering Services

Dear Selection Committee Members:

The City of Pembroke Pines water treatment and wastewater treatment plants have provided dependable service to the residents of the City for a number of years. Continuing to provide this excellent service requires maintaining equipment and system reliability, adapting to changing water supply and influent conditions, and accommodating future regulatory changes.

Water is Our Focus...and the Reason for Long-term Strength and Stability

Meeting water-related challenges such as yours is the reason for our existence at Carollo. We love bringing our passion to each and every project and are committed to bringing that passion to Pembroke Pines.

Unlike our competitors, Carollo **only** provides water and wastewater engineering services. Remaining solely focused on meeting customer needs in the water, wastewater, and reuse markets is a conscious business and long-term strategic decision for us. We have also made a strategic decision to stay employee-owned to control our own company destiny. This enables us to place your interests first as we bring innovation, exceptional water-professionals, and a service ethos to meet and exceed your project and community needs. In other words, nothing will stand between you, our customer, and our commitment to quality and excellent service. These strategic decisions have resulted in steady, profitable growth, satisfied clients, and position us for even more success in the years to come. Our cash reserves are strong, we carry no debt, and will continue to be employee-owned.

We currently maintain 43 offices across the U.S. including six offices in Florida: Hollywood, West Palm Beach, Miami, Sarasota, Tampa, and Orlando. Projects for Pembroke Pines will be managed from our Hollywood office, only minutes away from your treatment facilities. Carollo employs more than 1,100 employees, including more than 450 registered engineers. During our 85-year history, Carollo has successfully completed more than 50,000 water, wastewater, and reuse projects for public sector clients.

Carollo is currently ranked within *Engineering News-Record's* (ENR) top 100 design firms in the U.S. with 2017 revenue of more than \$270 million. More importantly, ENR's annual Source Book ranks Carollo among the top 12 firms for water and wastewater treatment plant design. Our dedication to exceeding client expectations is the reason some communities have remained continuous clients through all of those 85 years. We look forward to having that type of valued relationship with Pembroke Pines.

Our People and Our Work Demonstrate Our Customer Commitment

Carollo is ready to commit its water, wastewater and reuse treatment process engineers, civil engineers, water facility architects, structural engineers, building mechanical engineers, instrumentation and control engineers, and electrical engineers to assist the City implement any water treatment, wastewater treatment, or reuse project.



WATER
OUR FOCUS
OUR BUSINESS
OUR PASSION

We recruit in Florida and nationwide to hire technical staff with extensive background and training specific to water engineering. For that reason, the quality and professional standing of our core group of water and wastewater professionals is unparalleled in the nation.

Our staff are prepared to work seamlessly with City staff to deliver planning, design, construction, and startup services. Seamless work requires that we listen to the needs of your O&M and engineering staff from planning through facility commissioning. The results... facilities that you want to operate for years to come.

Guiding the work for you are our project managers, Liz Fujikawa, Randy Braley, Lyle Munce, and Chris Reinbold as presented in the organization chart in Tab 2, Section E, Form SF 330 Part I, and the "Project Team" portion of Section H, Form SF 330 Part I. Each project manager brings extraordinary experience optimizing existing water and wastewater treatment facilities. Depending on the needs of a specific project, we will assign the project manager who is the best fit. Supporting our project managers is a deep cast, including globally recognized experts Rod Reardon (wastewater process), and David Ammerman (water reuse), both Florida-based employees.

As Principal-in Charge, I will draw upon the staff presented in this proposal for your projects. Carollo takes very seriously the needs to commit staff and provide the right people for each. The team you see in our proposal is committed to Pembroke Pines for the success of any project under this contract.

Carollo has successfully delivered over 170 planning, design, and construction management projects at water, wastewater, and reuse treatment facilities in Florida over the past three years. In addition, we currently hold over 40 general engineering services contracts in Florida that are similar to the City of Pembroke Pines Professional Service Provider pool. Carollo's experience and qualification are further described in Tab 2, Form SF 330 Part I, Sections F and H.

Accessibility to Carollo Resources

As a 1,100 person firm with six offices in Florida, we have the capacity in Florida to staff and deliver multiple Pembroke Pines projects simultaneously, and have the ability call upon our company-wide resources as needed to meet any specialty needs. We also have the ability to perform emergency projects.

Carollo prides itself on being a firm where top-level management continue to play active roles in projects and are available to discuss client concerns on any project. Mr. Narayanan, our CEO, is a practicing professional engineer and regularly visits with clients to make sure we are providing the best services available. All members of our executive leadership team, including board of director members, maintain project roles to stay grounded with the current and emerging needs of water utility clients. We walk the talk on client-focused service.

I am a licensed professional engineer in Florida and will serve as Carollo's single point of contact for these pool contracts. The enthusiastic local staff you see in this proposal will be the responsive, dedicated individuals who work for you. We look forward to the opportunity to serve you to address all your water and wastewater treatment challenges.

Sincerely,

CAROLLO ENGINEERS, Inc.



Chuck Sinclair, P.E.
Senior Vice President
Principal-in-Charge

TAB 2 - STANDARD FORM 330 (PARTS I AND II)

Tab 2

SF330 - PARTS I & II INTRODUCTION

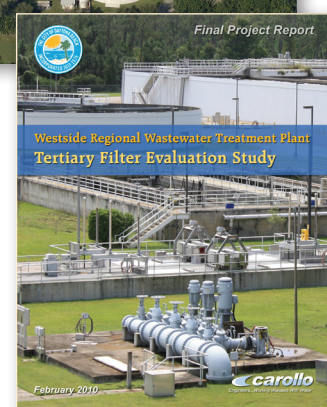
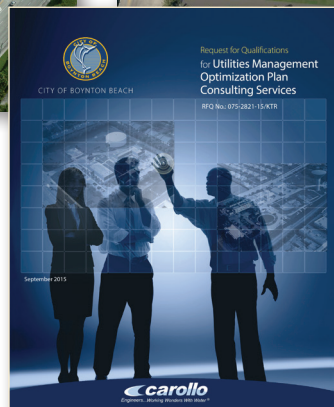


Carollo is proud of our relationship and long-standing history providing water and wastewater services throughout Florida, for more than 18 years. We bring extensive municipal water and wastewater utility project experience in the Sunshine state!

This Tab 2 includes SF330 Part I, Section D - Organizational Chart of the Proposed Team, Section E - Resumes of Key Personnel Proposed for this Contract and Section F - Example Projects. We are excited to share our array of skill sets with you. After all, water and wastewater is all we do, and all we've done in our 85 years in business. That means that we attract some of the best in the business, and that every one of us is dedicated to the water and wastewater industry, just as you are.

To meet your requirements to provide five references within the State of Florida for the Treatment Plant Process Engineering Services discipline within the last five years, we have highlighted five relevant water and wastewater projects included in Section E that we have worked on within the last five years:

- City of Boynton Beach - WTP Improvements and General Consulting Services
- City of Sunrise - General Engineering Services
- Broward County - Potable Water Storage Tanks and Pumping Stations
- South Central Regional Wastewater Treatment Disposal Board - Continuing Engineering and Aeration System Upgrade Projects
- Orange County Utilities - Water and Wastewater Program Management



"Carollo Engineers, Inc. has performed very professionally, been extremely responsive, and brought the most qualified and appropriate personnel to service us and our needs as a client."

– Tim Welch, PE,
Utilities Director, City of Sunrise

WTP Improvements and General Consulting Services

City of Boynton Beach, Florida

SIMILAR PROJECT EXPERIENCE

Carollo began serving the City of Boynton Beach with the design of several improvements to their Water Treatment Plants and has continued to serve the City under a General Consulting Services contract. Projects have included:

- **Ion Exchange Improvements.** Includes design/build of a 16-mgd MIEX® system and ancillary systems. In addition, modifications to the existing raw water supply system located at the West WTP were made. These modifications include connections to the existing raw water main and transmission line to transfer water from the Western Wellfield to the East WTP and modifications to the existing CIP spent solution system for waste brine disposal.
- **Wellfield and Transmission Line Hydraulic Analysis.** Analyzed yield of wellfield and transmission of raw water from Western Wellfield to East WTP.
- **West WTP Centralized A/C Plant Assessment.** The City's West Water Treatment Plant (West WTP) was built in the early 90s and has had ongoing issues with the HVAC systems on the second floor of the membrane building since that time. The second floor houses both offices and the main laboratory. Carollo provided analysis of a new centralized chilled water system at the West WTP as well as other existing A/C systems throughout the plant with a centralized A/C chiller system.
- **Stormwater Modeling.** The City has experienced episodes of severe flooding due to rain events. Carollo investigated alternatives to alleviate the flooding in five selected neighborhoods. This investigation included hydrologic and hydraulic modeling to determine alternatives.
- **Utilities Management Optimization Plan.** Carollo developed a Utilities Management Optimization Plan (UMOP) that supports strategic, long-term decision-making regarding the need and timing of expansion, repair, or replacement of existing facilities, and the need to build facilities to meet regulatory requirements and efficiency goals. This includes the development of four engineering models (e.g. hydraulic models) to simulate existing conditions of the Boynton infrastructure and to plan for future improvements through the development of a CIP. The output of these models (e.g., CIP projects) are used as input to the UMOP.
- **Asset Management.** This work included conducting a condition assessment of the City's treatment plants, distribution system, collection system (including master lift stations), and reuse system.



2014 - Ongoing

Reference

Mr. Joe Paterniti, PE
Interim Utility Director,
Manager of Field Operations

City of Boynton Beach
Utilities Department
124 E Woolbright Road
Boynton Beach, FL 33435

PHONE 561-742-6400

EMAIL paternitij@bbfl.us

Project Information

CAROLLO'S ROLE

Prime

TEAM MEMBERS

Liz Fujikawa
Randy Braley
Chad Green
Angelica Gregory
Laura Baumberger
Joel Smason
Jeff Albard
Mario Gamboa

*Aerial view of the
Boynton Beach WTP.*

General Engineering Services

City of Sunrise, Florida

SIMILAR PROJECT EXPERIENCE

Carollo, under a Continuing Services Contract for the City of Sunrise, completed several studies and designs, as well as stand-alone projects where Carollo was selected through the CCNA process for a project-specific assignment. These include:

- Sawgrass Water Treatment Plant Expansion Design. Carollo performed study and design services for a 3-mgd RO WTP being constructed at the existing 18-mgd Sawgrass WTP and allows the RO facility to expand it to 6 mgd in the future.
- Sawgrass Water Treatment Plant Expansion Study. Carollo worked on the study phase that included the evaluation of potential processes to expand potable water treatment capacity, improve overall facility water recovery, improve potable water quality, and provide an analysis of options for new brackish water treatment facilities.
- Sawgrass Water Treatment Plant Membrane Element Replacement Evaluation. Carollo performed an evaluation of the industry available NF membranes to determine which would be most appropriate for use in this replacement activity.
- Sawgrass Water Treatment Plant Rerate Improvements. Carollo evaluated the existing 18-mgd NF treatment system and provided the necessary technical and permitting support to re-rate the NF facility from 18 to 24 mgd. Carollo also provided construction management services (CMS) to include construction contract administration and inspection services by staff experienced in the discipline fields that correspond to the inspection activity.
- Springtree Water Treatment Plant Improvements. Carollo completed the study phase of this project that included the evaluation of potential improvements for rehabilitation and renewal of a 24-mgd lime softening facility. Carollo also performed pilot testing of ion exchange and ballasted flocculation technologies for organics control alternatives. Carollo also provided construction management services to include construction contract administration and period inspection services during construction of a sodium hypochlorite tank replacement project. Project includes replacement of four existing 15,000 gallon FRP sodium hypochlorite solution storage tanks with new FRP tanks, piping, accessories, and level indicators.
- Springtree Water Treatment Plant Lime Residuals Handling and Disposal Evaluation. Carollo was selected to evaluate lime handling, solids minimization, and disposal options. Due to the limited dewatering lime sludge storage area available at the plant site and the nuisances associated with the dust that is created by storing the sludge in an open area, the City desired to improve operations of the existing lime sludge thickening and/or dewatering process.

3D design of the Springtree WTP facilitated layout of the piping and mechanical system with all disciplines. Shown here is the completed membrane clean-in-place area next to the 3D design model.



2011 - Ongoing

Reference

Mr. Timothy Welch, P.E.
Director of Utilities

City of Sunrise
Utilities Department
777 Sawgrass Corporate
Parkway
Sunrise, FL 33325

PHONE 954-888-6055

EMAIL twelch@sunrisefl.gov

Project Information

CAROLLO'S ROLE

Prime

TEAM MEMBERS

Lyle Munce
Chris Reinbold
Angelica Gregory
Laura Baumberger
Joel Smason
Mark Ludwigson
Chad Green

Potable Water Storage Tanks and Pumping Stations

Broward County, Florida

SIMILAR PROJECT EXPERIENCE

Broward County has numerous storage tanks, pumping stations, and chemical feed systems being upgraded. Carollo was selected to complete the planning, design, and construction-phase service for every one of these projects, including the following:

- New 2.5-MG Ground Storage Facility and New High Service Pump Station, Electrical/Generator Room and Chemical Facilities (District 3A). New variable speed drive pumps, in conjunction with the appropriate control logic, will maintain a relatively stable discharge pressure. Furthermore, the pumps will receive equal use and wear, maximizing the useful life of all four units and providing operations with maximum flexibility. Design complete, project under construction.
- New 5-MG Ground Storage Tank and Existing Storage Tank Repair (District 2A). Construction constraints included maintaining the existing two pump stations in operation and implementing a temporary bypass line to keep the North HSPS in full service during construction. The new 5.0 MG tank will maximize efficiency in operation of the tanks, in addition to providing an additional 3.5 MG of storage capacity. This additional capacity will provide the facility approximately 16 hours of storage at the projected average flow for 2040. Design is complete.
- New 1.5-MG Ground Storage Facility, High Service Pump Station, and Chemical Facility. (District 1B1). The facility is currently comprised of a 1.5 MG finished water storage tank, a high service pump station (HSPS) including four outdoor pumps, a sodium hypochlorite feed system, a diesel engine generator, and a sewer lift station. Design complete, project under construction.
- New Ground Storage Facility, High Service Pump Station, Chemical Facility, and Water Main Extension (District 1A2). Design assessment, design, and engineering services during construction of the new Ground Storage Facility, High Service Pump Station, Chemical Facility, and Water Main Extension. Site assessment is complete, design pending.

Carollo is also responsible for construction management of these projects.

2015 - Ongoing

Reference

Mr. Steve Doyle
Construction Project
Management Supervisor

Broward County
Water and Wastewater
Engineering Division
2555 W. Copans Road
Pompano Beach, FL 33069

PHONE 954-831-0962

EMAIL sdoyle@broward.org

Project Information

CAROLLO'S ROLE

Prime

TEAM MEMBERS

Liz Fujikawa
Mark Ludwigson
Chad Green
Joel Smason
Angelica Gregory
Jeff Albend
Mario Gamboa



Bird's eye view of the Broward County Potable Storage Tanks.

Continuing Engineering and Aeration System Upgrade Projects

South Central Regional Wastewater Treatment Disposal Board, Florida

SIMILAR PROJECT EXPERIENCE

Carollo is the Engineer for design-build of Blower and Efficiency Upgrades. Work includes:

- Secondary Aeration Blower Replacement. New blowers to replace the existing multi-stage centrifugal blowers, which reached the end of their useful life. Alternative blower technologies were assessed to select a technology and configuration to best fit the existing aeration and electrical infrastructure, and maximize performance and energy cost savings. Blowers will be sized to maintain efficient operation both at current plant flows to the plant capacity of 24 mgd AADF.
- Hydraulic Modifications. Existing flow patterns at the plant present several hydraulic limitations to plant performance. Modifications were made to the aeration basins, particularly to influent and effluent structures, and flow patterns within the basin. The resulting flow patterns allow for ease of operation, while an increased sidewater depth provides additional volume and 9 percent additional aeration efficiency with no new tank construction.
- Secondary Aeration Zone Conversion to Selector. The existing aeration basins will be modified to convert the first zone to a 4-zone anoxic selector, featuring three mixed anoxic zones and one coarse bubble aerated swing zone. The selector serves two purposes, conditioning the mixed liquor to improve settling and allowing for grit removal before secondary aeration, and prevents grit buildup in the aerated zones of the basin and improving mixed liquor settling.
- Aeration Basin Cleaning, Grit Removal, and Diffuser Replacement. The existing aeration basins will be cleaned, removing accumulated grit and rags which were limiting capacity and negatively impacting aeration performance. The existing ceramic diffusers will be replaced with a new membrane-based fine-pore aeration diffuser system. This will increase oxygen transfer efficiency, overall treatment performance, and provide energy savings by reducing both the overall air demand and the required discharge pressure.
- Air Header Piping Rehabilitation. Repair and rehabilitation work will be conducted on the existing 30" Stainless Steel air header yard piping in order to repair existing air leaks.
- Aeration Control. An automated aeration control system will be implemented. This will feature automated air and pressure control for the blower system via automatic flow control valves in the air piping and a DO-based aeration control system.

Carollo also designed the addition of a bulk sodium hypochlorite storage and feed equipment for the tertiary filter system as well as conducted a plant wide condition assessment to develop an asset management system.

2017 - Ongoing

Reference

Mr. Doug Levine
Chief of Operations

South Central Regional
Wastewater Treatment Disposal
Board
1801 N. Congress Avenue
Delray Beach, FL 33445

PHONE 561-272-7061

EMAIL dlevine@scrwwtp.org

Project Information

CAROLLO'S ROLE
Subconsultant

TEAM MEMBERS
Liz Fujikawa
Rod Reardon
Randy Braley
Joel Smason
Mark Ludwigson
Mario Gamboa



Water and Wastewater Facilities Program Management

Orange County Utilities, Florida

SIMILAR PROJECT EXPERIENCE

Carollo was selected for this multi-year program management contract to provide engineering services to support Orange County Utilities Department to formulate and implement their Capital Improvements Program for Water and Wastewater infrastructure. Major assignments performed by the Carollo team under this contract are summarized below.

- Evaluation Study on USEPA Impact on Numeric Nutrient Criteria. Carollo provided an evaluation study on the impact of the U.S. Environment Protection Agency (USEPA) regulations on the proposed Numeric Nutrient Criteria for each of OCU's advanced wastewater treatment facilities.
- Business Plan for the Central Laboratory operated by the Utilities Department. Prepared a business analysis for expansion of the existing laboratory owned and operated by Orange County Utilities supporting its water, wastewater, and other divisions.
- Evaluation and documentation of 4-log virus removal compliance at 9 WTPs. Prepared permit applications and supporting documents to document 4-log virus removal compliance at Orange County WTPs
- Southwest Service Area Conveyance Facilities Plan Update. Prepared a planning level document to select pipe routes for conveying potable water, wastewater and reclaimed water to and from the various proposed developments in the Southwest Service Area of Orange County, FL
- Southwest Water Reclamation Facility Conceptual Design Update. Prepared a planning level document for recommendation of the most appropriate biological treatment process for a new 5 mgd advanced wastewater treatment plant to serve the Southwest Service Area of Orange County, FL
- Northwest Water Reclamation Facility – Phase III Expansion – Value Engineering Study. Participated in a Value Engineering Study with a goal to reduce the capital costs from \$56M to less than \$35M.
- Eastern Regional Water Reclamation Facility – Phase V Expansion – Value Engineering Study. Participated in a Value Engineering Study with a goal to reduce the capital costs from \$89M to less than \$50M.
- South Water Reclamation Facility – Phase V Expansion – Value Engineering Study. Participated in a Value Engineering Study with a goal to reduce the capital costs from \$120M to less than \$80M.
- South Water Reclamation Facility – Phase V Expansion. Process optimization to increase capacity of the Southeast Oxidation Ditch from 7.5 to 10.0 mgd.
- Biogas to Energy Alternatives Analysis. Planning level study for implementing a cogeneration project at the South Water Reclamation Facility (SWRF). The evaluation included an estimate of 20-year power demand for SWRF, a market survey of FOG haulers in the service area and various energy recovery technologies using biogas including engine generations, microturbines, gas turbines and fuel cells.

2009 - Ongoing

Reference

Mr. Mark Ikeler
Chief Engineer

Orange County Water Utilities
9150 Curry Ford Road
Orlando, FL 32825

PHONE 407-254-9705

EMAIL markc.ikeler@ocfl.com

Project Information

CAROLLO'S ROLE
Prime

TEAM MEMBERS
Laura Baumberger
Roderick Reardon
Scott Richards
Dean Milton
Dwayne Kreidler
Mario Gamboa

Tab 2

SF330 - PARTS I & II

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION <i>(City and State)</i> Professional Service Providers (Architectural, Engineering, Surveying & Mapping), Pembroke Pines, FL	
2. PUBLIC NOTICE DATE July 24, 2018	3. SOLICITATION OR PROJECT NUMBER RFQ No.: PSEN-18-02

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE Chuck Sinclair, P.E., Principal-in-Charge		
5. NAME OF FIRM Carollo Engineers, Inc.		
6. TELEPHONE NUMBER 954-414-8645	7. FAX NUMBER 954-837-0035	8. E-MAIL ADDRESS csinclair@carollo.com

C. PROPOSED TEAM

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

	(Check)	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME J-V PARTNER SUBCON- TRACTOR			
a.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	3440 Hollywood Blvd., Suite 465 Hollywood, FL 33021	Prime
b.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2056 Vista Parkway, Suite 400 West Palm Beach, FL 33411	Technical Support
c.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	301 N. Cattlemen Road, Suite 302 Sarasota, FL 34232	Technical Support
d.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	10117 Princess Palm Ave., Suite 340 Tampa, FL 33610	Technical Support
e.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	200 E. Robinson Street, Suite 1400 Orlando, FL 32801	Technical Support
f.	<input checked="" type="checkbox"/>	Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4600 East Washington Street, Suite 500 Phoenix, AZ 85034	Technical Support

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (REV. 8/2016)

7/10/2018 6:45 AM

p. 43

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

Professional Service Providers (Architectural, Engineering, Surveying & Mapping), Pembroke Pines, FL

2. PUBLIC NOTICE DATE

July 24, 2018

3. SOLICITATION OR PROJECT NUMBER

RFQ No.: PSEN-18-02

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Chuck Sinclair, P.E., Principal-in-Charge

5. NAME OF FIRM

Carollo Engineers, Inc.

6. TELEPHONE NUMBER

954-414-8645

7. FAX NUMBER

954-837-0035

8. E-MAIL ADDRESS

csinclair@carollo.com

C. PROPOSED TEAM

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

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V	SUBCON-TRACTOR			
g.	<input checked="" type="checkbox"/>			Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	390 Interlocken Crescent, Suite 800 Broomfield, CO 80021	Technical Support
h.	<input checked="" type="checkbox"/>			Carollo Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	Signature Place II 14785 Preston Road, Suite 950 Dallas, TX 75254	Technical Support
i.			<input checked="" type="checkbox"/>	Gamboa Engineers, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	17433 SW 65 CT Southwest Ranches, FL 33331	Technical Support
j.				 <input type="checkbox"/> CHECK IF BRANCH OFFICE		
k.				 <input type="checkbox"/> CHECK IF BRANCH OFFICE		
l.				 <input type="checkbox"/> CHECK IF BRANCH OFFICE		

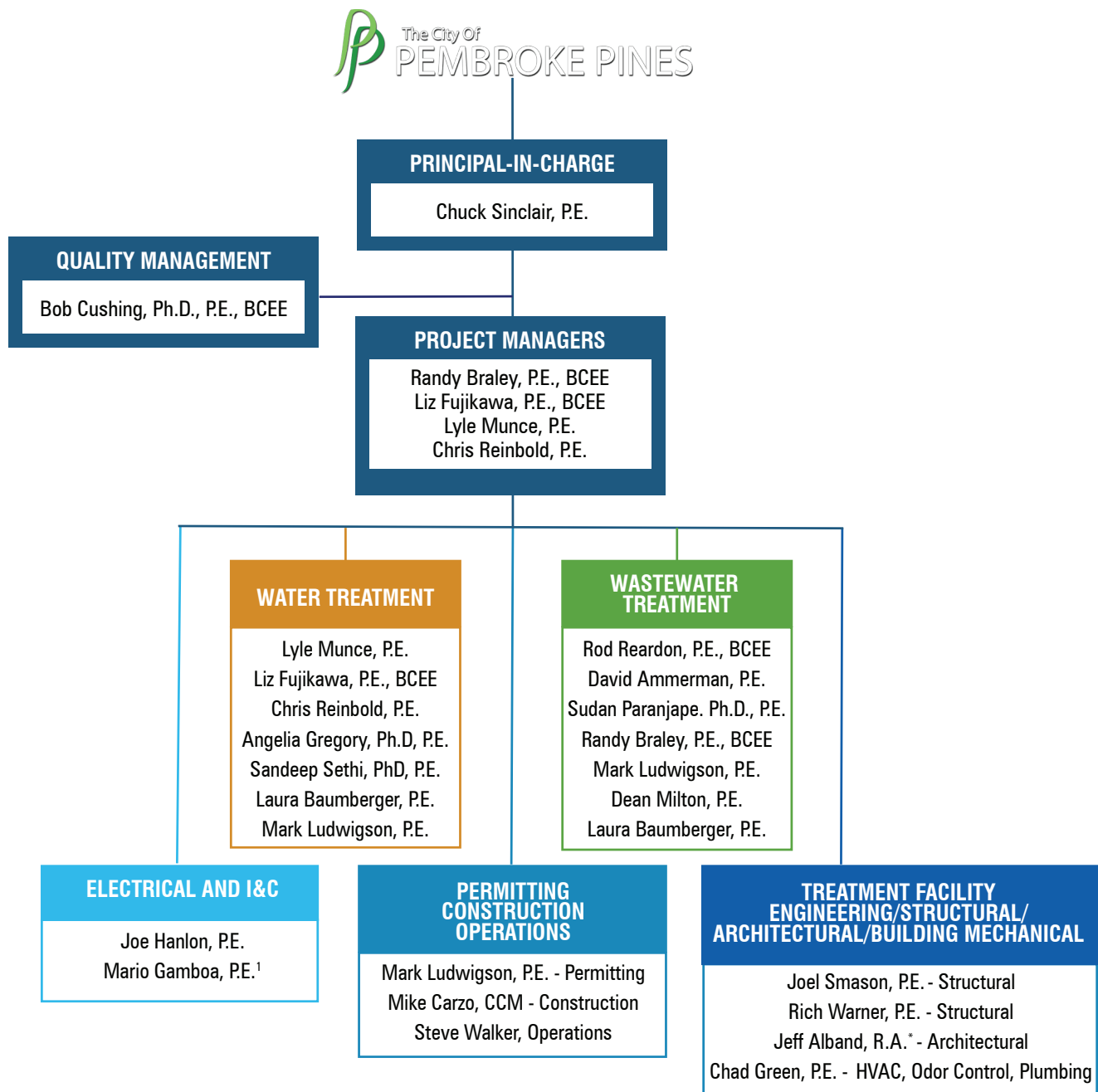
D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (REV. 8/2016)

SF330 - PART I - SECTION D



1. Gamboa Engineers, Inc.

* Licensed in a state other than Florida

SF330 - PART I - SECTION E

City of Pembroke Pines

Bid PSEN-18-02

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	
Randy Braley, PE, BCEE	PM, Water & Wastewater Treatment Eng.	a. TOTAL 36	b. WITH CURRENT FIRM 1.5
15. FIRM NAME AND LOCATION (City and State) Carollo Engineers, Inc.			
16. EDUCATION (Degree and Specialization) MS, Civil Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Civil Engineer - New Hampshire, Massachusetts PE - Florida, Maine, Connecticut	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Academy of Environmental Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) WTP Upgrades and General Consulting Services, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION (If applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Carollo began serving the City of Boynton Beach with the design of several improvements to their Water Treatment Plants and has continued to serve the City under a General Consulting Services contract.		
(1) TITLE AND LOCATION (City and State) South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION (If applicable)
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Technical advisor for the South Central Regional Wastewater Treatment Plant in Delray, FL. Project consisted of a temporary, bulk sodium hypochlorite disinfection feed system for the 24-mgd wastewater treatment plant.		
(1) TITLE AND LOCATION (City and State) Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION (If applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Broward County has numerous storage tanks, pumping stations, and chemical feed systems that will be upgraded or built in the next five years. Carollo was selected in 2014 to complete the planning, design, and construction-phase service for every one.		
(1) TITLE AND LOCATION (City and State) Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION (If applicable)
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Technical Advisor, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.		
(1) TITLE AND LOCATION (City and State) Study and Design of a Backup Concentrate Disposal System, Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) On-going
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Technical Advisor. Project consisted of the study and design of a backup concentrate disposal system for a 10-mgd nanofiltration plant. The project includes identification and evaluation of disposal alternatives and selection of a recommended plan, followed by design and bidding services.		

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	
Liz Fujikawa, PE, BCEE	PM, Water & Wastewater Treatment Eng.	a. TOTAL 31	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Environmental Engineering BS, Chemistry		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Civil Engineer - Delaware PE - Florida, Illinois, Wisconsin	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, International Ozone Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> WTP Upgrades and General Consulting Services, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager, Carollo began serving the City of Boynton Beach with the design of several improvements to their Water Treatment Plants and has continued to serve the City under a General Consulting Services contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager, Carollo is the Engineer for a design-build of Blower and Efficiency Upgrades. Work includes: Secondary Aeration Blower Replacement, Hydraulic Modifications, Secondary Aeration Zone Conversion to Selector, Aeration Basin Cleaning, Grit Removal and Diffuser Replacement, and Air Header Piping Rehabilitation.		
(1) TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Client Service Manager/Project Manager. Design & construction of pump stations and storage tanks. Includes the assessment, design & construction phase management of new ground storage tanks, new high service pump stations & new sodium hypochlorite & ammonia feed storage systems for disinfection.		
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.		
(1) TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Aeration System Upgrade, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i> On-going
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. The project included an evaluation of process and treatment systems, assessment of the operations, identification of system deficiencies and bottlenecks, & evaluation and recommendation of alternative treatment options.		

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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	
Lyle Munce, PE	PM, Water Treatment Eng.	a. TOTAL 31	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Sanitary Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Engineering Society, American Water Works Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE PIC & PM, Carollo has been performing continuing engineering services for the City of Sunrise since 2010. Over this time Carollo has worked collaboratively with the City staff on a wide assortment of utility projects, including facilities planning, hydraulic modeling, design, permitting, construction, start-up and commissioning.		
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County Water Utilities District, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager, Carollo has been performing continuing services for Palm Beach County since 2008. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects, including facilities planning, design, permitting, construction, and start-up and commissioning.		
(1) TITLE AND LOCATION <i>(City and State)</i> Southwest WTP Upgrades, City of Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2017
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge for this conventional lime-softening and filtration WTP involving rehabilitation and improvement of the majority of process features at the facility as well as addition of several others.		
(1) TITLE AND LOCATION <i>(City and State)</i> Springtree Water Treatment Plant Improvements Project, City of Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2017
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge. Project elements: general renewal & replacement of the 24-mgd lime softening facility, design of a fluidized bed ion exchange treatment system, a 1.5-mgd RO treatment system.		
(1) TITLE AND LOCATION <i>(City and State)</i> Lime Softening Water Treatment Plant, St. Lucie County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Expansion of the 6.0-mgd WTP plant. Expansion included additional treatment facilities to increase the plant's capacity in the areas of softening, filtration, transfer pumping, high service pumping and chemical feed systems.		

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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	
Chris Reinbold, PE	PM, Water & Wastewater Treatment Eng.	a. TOTAL 14	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Civil Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, North Carolina	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, Florida Engineering Society			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager, Carollo has been performing continuing engineering services for the City of Sunrise since 2010. Over this time Carollo has worked collaboratively with the City staff on a wide assortment of utility projects, including facilities planning, hydraulic modeling, design, permitting, construction, start-up and commissioning.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County Water Utilities District, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager, Carollo has been performing continuing services for Palm Beach County since 2008. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects, including facilities planning, design, permitting, construction, and start-up and commissioning.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Ion Exchange Treatment System & East Water Treatment Plant Improvements, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Technical Advisor for the design/build of the MIEX system. This projects included initial engineering & constructibility evaluations, permitting, design, & construction of a 16-mgd ion exchange system, associated ancillary systems, and raw water transmission main modifications.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Springtree WTP Phase II Improvements & Rehabilitation, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2018
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for the renewal & upgrades to four 6-mgd solids contact clarifiers including raw water aerators, replacement of the south lime silo, concrete structure rehab for filters and flume, demolition of existing east filters and transfer pump, addition of a new transfer pump station and addition of a water stabilization system.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Southwest WTP Upgrades, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2019
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for this conventional lime-softening & filtration WTP involving rehab and improvement of the majority of process features at the facility as well as additional of several others.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

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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	
Chuck Sinclair, PE	PIC, Water & Wastewater Treatment Eng.	a. TOTAL 27	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Hollywood, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Civil Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Civil Engineers, American Public Works Association, American Water Works Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Broward County has numerous storage tanks, pumping stations, and chemical feed systems that will be upgraded or built in the next five years. Carollo was selected in 2014 to complete the planning, design, and construction-phase service for every one.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Davie Utilities Comprehensive Master Plan, City of Davie, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The Town has requested a Utilities Comprehensive Master Plan to evaluate the following: population projections; water demand and wastewater flow projections; performance and efficiency of the water, wastewater, and reclaimed water		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Comprehensive Everglades Restoration Plan, USACE, Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Advisor. Worked closely with the Project Managers and technical team in identifying scope of services for each project as well as project schedule and estimated costs.		
<input type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Miami-Dade Water & Sewer Department, Wastewater Collection & Trans.	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Director. Design of over 50 pipeline & pump station projects. Directed a large, multi-disciplines team. Served as primary point of contact for coordination between the production team and the staff at Miami-Dade		
<input type="checkbox"/> Check if project performed with current firm		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

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	
Bob Cushing, PhD, PE, BCEE	Quality Management	a. TOTAL 28	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Sarasota, FL			
16. EDUCATION <i>(Degree and Specialization)</i> PHD, Civil Engineering MS, Civil Engineering BS, Petroleum Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, North Carolina, South Carolina, Virginia,	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> MIEX Project, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2017
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Technical Advisor. New organics removal MIEX system for Western Wellfield with the use of excess treatment capacity for hardness removal at the EWTP. Water will be pumped to the EWTP where the new 16-mgd MIEX system will use a propriety anion exchange resin to remove organics.		
(1) TITLE AND LOCATION <i>(City and State)</i> Reuse Feasibility Study, Punta Gorda, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-charge for Reuse study. Evaluated the technical & financial elements of implementing a reuse system in the City. Included an evaluation of improvements needed at the wastewater treatment plant to meet reuse standards, identification of potential reuse customers & planning-level cost estimates to implement a reuse system.		
(1) TITLE AND LOCATION <i>(City and State)</i> Babcock Ranch Wastewater Treatment Facilities, Fort Myers, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i> On-going
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-charge. Babcock Ranch is a planned residential community being developed that will ultimately have a population of about 50,000. The wastewater treatment facility will meet limits in the reclaimed water for both nitrogen and phosphorus. The project is being conducted in two phases using a design/build approach.		
(1) TITLE AND LOCATION <i>(City and State)</i> Central County WRF Expansion Phases 3 & 4, Sarasota, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2018
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-charge. Expansion that included new headworks, odor control equipment, additional anoxic basins, additional aeration basins, additional sand filters, secondary clarifiers, RAS pumps, & chlorine contact basins.		
(1) TITLE AND LOCATION <i>(City and State)</i> Wastewater Treatment Plant Operating Permit Renewal, Punta Gorda, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-charge. Work efforts involved preparation of application materials necessary for the renewal of the City's Wastewater Treatment Plant operating permit and preparation of an O&M Manual to meet FDEP requirements.		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

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	
Angelica Gregory, PhD, PE	Treatment & CFD Modeling, Permitting	a. TOTAL 15	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Hollywood, FL			
16. EDUCATION <i>(Degree and Specialization)</i> PHD, Civil Engineering MS, Civil & Environmental Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, North Carolina, South Carolina, Virginia,	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, Water Environmental Federation, Society of Women Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> WTP Upgrades and General Consulting Services, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer, wastewater, water, and reclaimed water systems hydraulic modeling component of the Boynton Beach Utilities Management Optimization Plan.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo has been performing continuing engineering services for the City of Sunrise since 2010. Over this time Carollo has worked collaboratively with the City staff on a wide assortment of utility projects, including facilities planning, hydraulic modeling, design, permitting, construction, start-up and commissioning.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County Water Utilities District, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer, Carollo has been performing continuing services for Palm Beach County since 2008. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Boynton Beach Utilities Management Optimization Plan, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer & Assistant Project Manager. Constructed the wastewater force main collection system model from partially available GIS, planned and oversaw the field, SCADA, and record data collection.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Study and Design of a Backup Concentrate Disposal System, Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Staff Engineer. The project includes identification and evaluation of disposal alternatives and selection of a recommended plan, followed by design and bidding services. Angelica was responsible for permitting.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

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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	
Sandeep Sethi, PhD, PE	Water Treatment Engineering	a. TOTAL 24	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Sarasota, FL			
16. EDUCATION <i>(Degree and Specialization)</i> PHD, Environmental Engineering MS, Environmental Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida CE - California	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, Membrane Process Committee - Member, Membrane Technology & Research Committee - Member			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Sawgrass 3-mgd RO WTP and Nanofiltration Retating Project, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Technical Advisor for Sawgrass 3-mgd RO WTP and Nanofiltration (NF) rerating project for City of Sunrise, Florida. Project included evaluation of potential processes to expand potable water treatment capacity, improve overall facility water recovery, improve potable water quality, and provide an analysis of options for new brackish water treatment fac.		
(1) TITLE AND LOCATION <i>(City and State)</i> 25-mgb Tampa Bay Water Seawater Reversal Osmosis Desalination Facility, Tampa, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager, objective of the optimization was to minimize electrical and chemical costs for varying production rates under both continuous and intermittent operational scenarios.		
(1) TITLE AND LOCATION <i>(City and State)</i> Ultrafiltration Membrane Plant Retrofit/Lake Manatee WTP, Manatee, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Technical Advisor, Project includes review of the basis of design report with respect to all process and technical requirements, facility layouts, and cost aspects.		
(1) TITLE AND LOCATION <i>(City and State)</i> Desalination Investigation/Conceptual Design & Siting Metropolitan Water District of Southern, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2003	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager, identified 9 alternatives to implement desalination of portion of the Colorado River water supply using reverse osmosis membrane treatment and develop all process and technical requirements.		
(1) TITLE AND LOCATION <i>(City and State)</i> Carlton Water Treatment Plant RO Feasibility Study, Sarasota County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for RO Feasibility project for the existing 8-mgd electrodialysis reversal (EDR) Carlton Water Filtration Plant. The project included evaluation of all process and technical requirements, facility layouts, and cost aspects for both the alternatives of RO conversion and EDR upgrade.		

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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	
Rod Reardon, PE, BCEE	Wastewater Treatment, Lead Process En	a. TOTAL 39	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Civil & Sanitary Engineering BS, Chemical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, Washington, Tennessee, Alabama, Mississippi, Pennsylvania	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, American Academy of Environmental Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Process Engineer, Carollo is the Engineer for a design-build of Blower and Efficiency Upgrades. Work includes: Secondary Aeration Blower Replacement, Hydraulic Modifications, Secondary Aeration Zone Conversion to Selector, Aeration Basin Cleaning, Grit Removal and Diffuser Replacement, and Air Header Piping Rehabilitation.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Water & Wastewater Service Program Management, Orange County Utilities, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo was selected for this multi-year program management contract to provide engineering services to support Orange County Utilities Department to formulate and implement their Capital Improvements Program for Water and Wastewater infrastructure.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Continuing Professional Engineering Services for Potable Water and Wastewater, Daytona Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo is providing continuing engineering services for the City of Daytona Beach. The City owns and operates two water reclamation facilities: Westside Regional WRF (WRWRF) with a rated capacity of 15 mgd (adf), 45 mgd peak and Bethune Point WRF (BPWRF) with a rated capacity of 13 mgd (adf), 26 mgd peak.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Wesley WWTP Rehabilitation and Expansion, Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2020
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Process engineer & advisor for the planning and subsequent preliminary design for the rehab & expansion of the Wesley Center Subregional Wastewater Treatment Plant.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

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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	
David Ammerman, PE	Wastewater and Reuse Treatment	a. TOTAL 31	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Agricultural Engineering BS, Agricultural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Agricultural Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Water Reuse, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> South Bermuda WRF Upgrades and Expansion, Toho Water Authority, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2019
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The project involves the expansion of the South Bermuda WRF from 14 mgd to 16 mgd. This expansion includes design new cloth disk filters to treat a peak flow of 8 mgd.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Potable Reuse Pilot Study, Altamonte Springs, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Worked with the City to design, construct, and operate a 20-gpm potable pilot treatment process.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Tampa Augmentation Project, Tampa, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. This project seeks to use natural treatment systems (wetlands and soil aquifer treatment) to return highly treated reclaimed water from the Howard F. Current Advanced Treatment Plant to the regional raw water supply.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> TOHO Iron Bridge Effluent Management Study, Orlando, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The study focused on the Iron Bridge reclamation facility. This facility currently provides a limited amount of water to an urban reuse program, sends water to a 2,000 acre man-made wetlands system for additional treatment with a surface water discharge.	<input checked="" type="checkbox"/> Check if project performed with current firm	

STANDARD FORM 330 (REV. 8/2016) PAGE 2

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	
Sudhan Paranjape, PE	Wastewater Treatment Engineering	a. TOTAL 19	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Environmental Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, Virginia	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Agricultural Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Continuing Professional Engineering Services for Potable Water and Wastewater, Daytona Beach, FL	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Providing continuing engineering services for the City of Daytona Beach. The City owns and operates two water reclamation facilities: Westside Regional WRF (WRWRF) with a rated capacity of 15-mgd (adf), 45-mgd peak and Bethune Point WRF (BPWRF) with a rated capacity of 13-mgd (adf), 26-mgd peak.		
Wesley WWTP Rehabilitation and Expansion, Pasco County, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2020
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Process Design. The Wesley Center WWTP (WCWWTP) is in need of improvements and upgrades that will accommodate an expansion to treat future flows and correct deficiencies caused by aging, corrosion, and construction problems. Carollo was hired to provide full structural engineering services as part of this contract.		
South Bermuda WRF Upgrades and Expansion, Toho Water Authority, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Es./ 2019
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Project involves the expansion of the South Bermuda WRF from 14-mgd to 16-mgd. This expansion includes design new cloth disk filters to treat a peak flow of 8-mgd.		
Conserv II Water Reclamation Facility Biosolids Dewatering System Improvements, City of Orlando, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2017
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for the City of Orlando's Conserv II WRF Biosolids Dewatering Improvements Basis of Design Report. Project included comparison and selection of various dewatering technologies to upgrade aging belt filter presses at the facility.		
Westside Regional WRF RAS/WAS Pump Station Modification Design and Construction, Daytona Beach, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2015
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for the design upgrades to the existing return activated sludge/waste activated sludge (RAS/WAS) pump station at the Westside Regional Wastewater Treatment Plant. A new RAS/WAS pump station with new horizontal non-clog centrifugal pumps, new belt filter press feed pumps and additional coarse bubble aeration.		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

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	
Mark Ludwigson, PE	Water & Wastewater Treatment, Permits	a. TOTAL 15	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Engineering BS, Mechanical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, Wisconsin	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Engineering Society, Florida Water Environmental Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Permitting, Carollo is the Engineer for a design-build of Blower and Efficiency Upgrades. Work includes: Secondary Aeration Blower Replacement, Hydraulic Modifications, Secondary Aeration Zone Conversion to Selector, Aeration Basin Cleaning, Grit Removal and Diffuser Replacement, and Air Header Piping Rehabilitation.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer, Broward County has numerous storage tanks, pumping stations, and chemical feed systems that will be upgraded or built in the next five years. Carollo was selected in 2014 to complete the planning, design, and construction-phase service for every one.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Sunrise, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer for the City of Sunrise, Florida, Southwest Water Treatment Plant Ion Exchange and Other Improvements project. Designed for the addition of an ion exchange treatment system, lime storage silo, and lime slaker and feed system.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County Water Utilities District, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer, Carollo has been performing continuing services for Palm Beach County since 2008. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects.	<input checked="" type="checkbox"/> Check if project performed with current firm	

STANDARD FORM 330 (REV. 8/2016) PAGE 2

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	
Dean Milton, PE	Wastewater Treatment Engineering	a. TOTAL 23	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Environmental Engineering BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Water & Wastewater Service Program Management, Orange County Utilities, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Carollo was selected for this multi-year program management contract to provide engineering services to support Orange County Utilities Department to formulate and implement their Capital Improvements Program for Water and Wastewater infrastructure.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Wesley WWTP Rehabilitation and Expansion, Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2020
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The Wesley Center WWTP (WCWWTP) is in need of improvements and upgrades that will accommodate an expansion to treat future flows and correct deficiencies caused by aging, corrosion, and construction problems. Carollo was hired to provide full structural engineering services as part of this contract.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Wastewater Treatment Plant Permit Renewal App., Punta Gorda, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the Wastewater Treatment Plant FDEP Permit Renewal Application and Operations & Maintenance (O&M) Manual Upgrades.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Central County Water Reclamation Facility Improvements, Sarasota, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> 2012
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager/engineer responsibilities included overall project management and engineering for the design and construction of a new headworks, blower building, plant lift stations and operation and maintenance building.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Wastewater Master Plans for the SW, SE & N Service Areas, Bradenton, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. As part of Master Plan efforts Carollo developed wastewater flow projections through 2035 for the County's three WRFs based on populations projections from the County's planning department.		
<input checked="" type="checkbox"/> Check if project performed with current firm		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

City of Pembroke Pines

Bid PSEN-18-02

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	
Laura Baumberger, PE	Water & Wastewater Treatment	a. TOTAL 14	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Sarasota, FL			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Environmental Engineering BS, Civil Engineering BA, Spanish		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida Civil - California	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association, Water Environmental Federation			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	WTP Upgrades and General Consulting Services, Boynton Beach, FL	On-going	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Technical advisor for the City of Boynton's Utilities Management Optimization Project. This project consists of developing a model to calculate real time rates, CIP (budget, cash flow, expenditures), budget status, provide GIS access, and modeling of water, sewer, stormwater and reuse.		
b.	Consulting Service Contract, City of Pompano Beach, FL	On-going	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Completed the Pompano Beach Reuse Facility Permit renewal project.		
c.	General Engineering Services, Sunrise, FL	On-going	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Completed hydraulic modeling evaluations using the City's water distribution and wastewater collection system hydraulic models in support of on-going capital improvements projects.		
d.	General Engineering Services, Palm Beach County Water Utilities District, FL	2016	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager for the Palm Beach County Water Utilities Department (PBCWUD) Water Master Plan Update. Project included development of a new water master plan for PBCWUD to recommend capital improvements to meet the County's 20-year water needs.		
e.	Orange County Utilities Southwest WRF Condition Assessment, Orlando, FL	2016	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Assisted in updating their asset inventory & developing a hierarchy for their WRFs, conducted a condition assessment of the SWRF & evaluated critically & risk using an asset management approach based on industry standards.		

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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	
Joe Hanlon, PE	Electrical and I&C Engineering	a. TOTAL 28	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Tampa, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, Maryland	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> South Bermuda Wastewater Treatment Plant Upgrades, Toho Water Authority	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager, responsible for design & integration of (6) large PLC control panels, instrumentation, SCADA upgrades, & vendor provided control systems for the expanded South Bermuda Wastewater Treatment Plant. The work included design and integration of the influent pumping system, aeration blowers and Dissolved Oxygen/Flow control.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> South County Regional Water Treatment Plant Network Communications Upgrade, Collier County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior instrumentation engineer. Duties included review of existing network and identification of potential critical network failure items. Assisted owner with development of new equipment bill of material and integration within the plant.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> South County Regional Water Treatment Plant VFD Upgrade, Collier County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> Est. 2019
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior instrumentation engineer. Provided integration and programming services to modify and update existing PLC and SCADA system programs for the new VFDs to operate efficiently and effectively while maintaining plant operation with all other control systems remaining online.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> FAKA Union Pump Station, USACE, South Florida Water District, Naples, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Provided the entire instrumentation & control system for this new pump station. Responsible for all aspects of system integration, including design, program development and integration.		
<input type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Alternative Water Supply Project, City of Tarpon Springs, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager & PLC Programmer. Duties included complete instrumentation and controls design/build from initial concept to completion. Responsible for instrumentation specification, instrumentation and control panel design, control system architecture, PLC programming, and plant startup.		
<input type="checkbox"/> Check if project performed with current firm		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Mario A Gamboa, PE	13. ROLE IN THIS CONTRACT Project Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 36	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION (City and State) Gamboa Engineers, LLC, Southwest Ranches, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Electrical Engineering Florida International University, 1981		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) State of Florida, Electrical; PE No. 44675	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Institute of Electrical and Electronic Engineers (IEEE)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	City of Pompano Beach Water Treatment Plant; Electrical Master Plan for Upgrades and Replacement of 5 KV Power Distribution System, Pompano Beach, FL	2012 and 2022	Phase I, 2014 – 2015 Phase 2, 2015-2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Gamboa Engineers worked as SubConsultant to Carollo Engineers and performed an Electrical Master Plan for replacement of obsolete 5 KV power distribution equipment, 5 KV cable system, 480 V VFDs, 480 V Switchboards, Panelboards, in various construction phases, for a Lime Softening Water Treatment Plant and High Service Pumping Facility that supplies potable water to the City of Pompano Beach		
b.	Magnetic Anionic Exchange Resin Facility, City of Boynton Beach, Florida, FL	2015	2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Gamboa Engineers worked as SubConsultant with Carollo Engineers and performed electrical engineering design and support during construction, including power distribution, lighting controls, instrumentation and SCADA PLC network, for a new state of the art Magnetic Anionic Exchange water filtering process.		
c.	District 1B1 and 3A, High Service Pump Stations and Ground Water Storage Tanks; Broward County, Florida	2016-2017	Being constructed 2018-2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Gamboa Engineers worked as SubConsultant with Carollo Engineers and performed electrical engineering design services, including power distribution, lighting, controls, standby power generators, SCADA PLC system, Access Security for the construction of a new high service pumping facility and water storage tanks.		
d.	Sarasota Central County Water Reclamation Facility; Phase 2 and Phase 3 Improvements Projects, Sarasota County, Florida	2010-2013	2015 - 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Gamboa Engineers worked as Subconsultant with Carollo Engineers and performed the design of new power distribution system and SCADA automation system, for replacement of obsolete process equipment associated with headworks facility, anoxic basins, aeration basins, new centrifugal blower system, and upgrades of 480 volts, 4000 amperes power distribution and standby power generator system		
e.	West WWTP, Coagulant Chemical Skid Feed System, City of Margate, Florida	2017	To be constructed in 2018-2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Gamboa Engineers worked as Subconsultant with Carollo Engineers and performed the design of power and instrumentation system, including addition of hardware to existing programmable logic controllers for the addition of coagulant, including chemical skid and storage tank at the RAS pump station area.		

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City of Pembroke Pines

Bid PSEN-18-02

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	
Joel Smason, PE	Structural Engineer	a. TOTAL 42	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Phoenix, Arizona			
16. EDUCATION <i>(Degree and Specialization)</i> MS, Structural Engineering BS, Structural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Structural Engineer - Arizona, Illinois PE - Florida, Illinois, Missouri, North Carolina, South Carolina, Texas Civil - New Mexico, Nevada	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Certificate, Confined Space Entry Training			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a.	WTP Upgrades and General Consulting Services, Boynton Beach, FL (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, provided analysis of a new centralized chilled water system at the West WTP as well as other existing AC systems throughout the plant with a centralized AC chiller system.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, Carollo is the Engineer for a design-build of Blower and Efficiency Upgrades. Work includes: Secondary Aeration Blower Replacement, Hydraulic Modifications, Secondary Aeration Zone Conversion to Selector, Aeration Basin Cleaning, Grit Removal and Diffuser Replacement, and Air Header Piping Rehabilitation.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Potable Water Storage Tanks, Broward County, FL (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, Broward County has numerous storage tanks, pumping stations, and chemical feed systems that will be upgraded or built in the next five years. Carollo was selected in 2014 to complete the planning, design, and construction-phase service for every one.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Consulting Service Contract, City of Pompano Beach, FL (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer/Technical Advisor, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	General Engineering Services, Sunrise, FL (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, Carollo has been performing continuing engineering services for the City of Sunrise since 2010. Over this time Carollo has worked collaboratively with the City staff on a wide assortment of utility projects, including facilities planning, hydraulic modeling, design, permitting, construction, start-up and commissioning.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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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	
Rich Warner, PE	Structural Engineering	a. TOTAL 21	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Tampa, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - Florida, Ohio, Mississippi, Texas, Louisiana, Arkansas	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Design-Build Institute of America, Water/Wastewater Committee			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Continuing Professional Engineering Services for Potable Water and Wastewater, Daytona Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, Carollo is providing continuing engineering services for the City of Daytona Beach. The City owns and operates two water reclamation facilities: Westside Regional WRF (WRWRF) with a rated capacity of 15 mgd (adf), 45 mgd peak and Bethune Point WRF (BPWRF) with a rated capacity of 13 mgd (adf), 26 mgd peak.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Wesley WWTP Rehabilitation and Expansion, Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2020
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer for the Wesley Center WWTP (WCWWTP) is in need of improvements and upgrades that will accommodate an expansion to treat future flows and correct deficiencies caused by aging, corrosion, and construction problems. Carollo was hired to provide full structural engineering services as part of this contract.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> South Bermuda WRF Upgrades and Expansion, Toho Water Authority, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2019
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer, vibration analysis of an existing biosolids dewatering building subjected to new centrifuge loading, and structural design of a new biosolids dewatering building and a dewatering cake truck unloading station.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Polk County Regional Water Cooperative Water Supply Improvements, Auburndale, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Est. 2020	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Conceptual & preliminary design of two RO Water Treatment Plants, routing studies & conceptual design of 120 miles of pipelines, completion of an integrated water supply study of the Peace Creek Watershed.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> S-470 Pump Station Design, South Florida Water Management District, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> On-going
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineer for South Florida Water Management District, Florida, S-470 Pump Station Design. Responsibilities included structural design of S-470 Pump Station and sheet piling.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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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	
Jeff Alband, RA	Treatment Facility Architecture	a. TOTAL 47	b. WITH CURRENT FIRM 39
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Phoenix, AZ			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Architecture		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Architect - Utah, Colorado, Arizona	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> WTP Upgrades and General Consulting Services, Boynton Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Architect, Carollo began serving the City of Boynton Beach with the design of several improvements to their Water Treatment Plants and has continued to serve the City under a General Consulting Services contract.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Architect, This project includes the assessment, design and construction phase management of new ground storage tanks, new high service pump stations, and new sodium hypochlorite and ammonia feed and storage systems for disinfection. These improvements will be implemented at four locations within the County.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Architect, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Upper Trinity Regional Water District, Riverbend Wastewater Treatment Facility Expansion Design, Dallas, TX	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> On-going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Architect. Riverbend is being expanded to 4 mgd by converting the SBRs to biological nutrient removal (BNR) with enhanced biological phosphorus removal (EBPR) using BioMag® ballasted activated sludge.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Nampa Wastewater Treatment Plant Phase 1 Improvements, Nampa, ID	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Architect. This project involved replacement of the VFDs for four main sewage pumps, replacing a single speed drive for one main sewage pump with a new VFD, and upgrading the electrical circuits feeding the pump motors.		

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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	
Chad Green, PE	Treatment Facility, HVAC, Odor Control	a. TOTAL 9	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Dallas, TX			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Mechanical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Mechanical Engineer - Minnesota, Nebraska, California, Arizona, Nevada PE - New Mexico, Utah, Washington, Texas, Oregon, Colorado, Oklahoma, Arkansas, Florida, Illinois, N Dakota	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> WTP Upgrades and General Consulting Services, Boynton Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical Engineer, Carollo began serving the City of Boynton Beach with the design of several improvements to their Water Treatment Plants and has continued to serve the City under a General Consulting Services contract.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical Engineer, Carollo has been performing continuing services for Palm Beach County since 2007. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects, including facilities planning, design, permitting, construction, and start-up and commissioning.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical Engineer, Technical Advisor, Carollo, under a Consulting Services Engineering Contract for the City of Pompano Beach, completed several studies and designs.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical Engineer, Engineer for a design-build of Blower & Efficiency Upgrades. Secondary Aeration Blower Replacement, Hydraulic Modifications, Secondary Aeration Zone Conversion to Selector, Aeration Basin Cleaning.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical Engineer, Broward County has numerous storage tanks, pumping stations, and chemical feed systems that will be upgraded or built in the next five years. Carollo was selected in 2014 to complete the planning, design, and construction-phase service for every one.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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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	
Mike Carzo, CCM	Construction Management	a. TOTAL 32	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> CCM, Arizona	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Continuing Professional Engineering Services for Potable Water and Wastewater, Daytona Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Management, Carollo is providing continuing engineering services for the City of Daytona Beach. The City owns and operates two water reclamation facilities: Westside Regional WRF (WRWRF) with a rated capacity of 15 mgd (adf), 45 mgd peak and Bethune Point WRF (BPWRF) with a rated capacity of 13 mgd (adf), 26 mgd peak.		
(1) TITLE AND LOCATION <i>(City and State)</i> Wesley WWTP Rehabilitation and Expansion, Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> Est. 2020
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Management, The Wesley Center WWTP (WCWWTP) is in need of improvements and upgrades that will accommodate an expansion to treat future flows and correct deficiencies caused by aging, corrosion, and construction problems. Carollo was hired to provide full structural engineering services as part of this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Avondale WRF Expansion Design and CMS, Avondale, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2010
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Construction Management. Provided engineering design and construction phase services. The treatment plant was expanded from an average day max month capacity of 6-mgd to 9-mgd, with facilities planned and designed for phased expansion to the build-out capacity of 15-mgd.		
(1) TITLE AND LOCATION <i>(City and State)</i> Ocotillo Water Reclamation Facility, Chandler, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Construction administration services of wet process and solid stream facilities for this \$120 million project.		
(1) TITLE AND LOCATION <i>(City and State)</i> AK-Chin Regional Water Reclamation Facility, Indian Community, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Construction Management. Project involved maintaining client contact and identifying and tracking stack holder budget issues as well as close out and start up services.		

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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	
Steve Walker	Facility Startup & Operations	a. TOTAL 34	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION <i>(City and State)</i> Carollo Engineers, Inc., Denver, CO			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Technical & Industrial Administration AAS, Water Quality Management		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Industrial WWTP Operator, Class A - Colorado Industrial WWTP Operator, Class A - California	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Colorado Water/Wastewater Plant Operators Certification Board Member, American Water Works Association			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Hillsborough County Wastewater Treatment Regulatory Compliance Facilitation, Tampa, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012; 2017	CONSTRUCTION <i>(If applicable)</i> 2017
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Operations specialist for developing the gap analysis to determine core reasons for effluent discharge compliance problems. Provided documentation improvements - standard operating procedures and decision flow charts - to help guide staff actions and decisions. Awareness training provided to address permit compliance.		
(1) TITLE AND LOCATION <i>(City and State)</i> Eastern Municipal Water District - Four Treatment Plants: Temecula, Perris, San Jacinto, Moreno, Perris, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2015
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Startup & commissioning specialist for the Eastern Municipal Water District. Provided training and commissioning services, facility management & optimization protocols for four treatment plants.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Sunnyvale - O&M Coordination for the New Headworks and Flow Diversion Structures, Sunnyvale, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i> On-going
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Operations specialist for the City of Sunnyvale, CA. Provided O&M direction and developed control strategies for the new Headworks and Flow Diversion structures.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Longmont - Supporting \$33M Design-Build for BNR and Biosolids Handling Improvements, Longmont, CO	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i> 2017
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Operations specialist for \$33M Design-Build for BNR and biosolids handling improvements, from study through commissioning. Provided a comprehensive sampling, data collection, and analysis review for improved process awareness and facility optimization.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Riverside - Regional Water Quality Control Plant, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015 - 2016	CONSTRUCTION <i>(If applicable)</i> 2015 - 2016
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Operations specialist coordinated O&M activities and process optimization with \$192M Capital Improvements including integrating membrane biofiltration and primary influent equalization into daily plant activities.		

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SF330 - PART I - SECTION F

City of Pembroke Pines

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1
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21. TITLE AND LOCATION <i>(City and State)</i> WTP Upgrades and General Consulting Services, Boynton Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Boynton Beach, FL	b. POINT OF CONTACT NAME Mr. Joe Paterniti	c. POINT OF CONTACT TELEPHONE NUMBER 561-742-6400
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

West WTP Centralized A/C Plant Assessment. The City's West Water Treatment Plant (West WTP) was built in the early 90s and has had ongoing issues with the HVAC systems on the second floor of the membrane building since that time. The second floor house both offices and the main laboratory. Carollo provided analysis of a new centralized chilled water system at the West WTP as well as other existing A/C systems throughout the plant with a centralized A/C chiller system.

Ion Exchange Improvements. Includes design/build of a 16-mgd MIEEX® system and ancillary systems. In addition, modifications to the existing raw water supply system located at the West WTP will be required. These modifications include connections to the existing raw water main and transmission line to transfer water from the Western Wellfield to the East WTP and modifications to the existing CIP spent solution system for waste brine disposal.

Wellfield and Transmission Line Hydraulic Analysis. Analyzed yield of wellfield and transmission of raw water from Western Wellfield to East WTP.

Stormwater Modeling. The City has experienced episodes of severe flooding due to rain events. Carollo investigated alternatives to alleviate the flooding in five selected neighborhoods. This investigation included hydrologic and hydraulic modeling to determine alternatives.

Utilities Management Optimization Plan. Carollo is developing a Utilities Management Optimization Plan (UMOP) that will support strategic, longterm decision-making regarding the need and timing of expansion, repair, or replacement of existing facilities, and the need to build facilities to meet regulatory requirements and efficiency goals. This includes the development of four engineering models (e.g. hydraulic models) to simulate existing conditions of the Boynton infrastructure and to plan for future improvements through the development of a CIP. The output of these models (e.g., CIP projects) was used as input to the UMOP.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Hollywood, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL	(3) ROLE Technical Support
d.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Dallas, TX	(3) ROLE Technical Support
e.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Technical Support
f.	(1) FIRM NAME Gamboa Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Southwest Ranches. FL	(3) ROLE Technical Support

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> South Central Regional Wastewater Treatment and Disposal Board - Continuing Engineering Services, Delray Beach, FL		22. YEAR COMPLETED PROFESSIONAL SERVICES On-going

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER S Central Regional Wastewater Treat.	b. POINT OF CONTACT NAME Mr. Douq Levin	c. POINT OF CONTACT TELEPHONE NUMBER 561-272-7061
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Secondary Aeration Blower Replacement. New blowers to replace the existing multi-stage centrifugal blowers, which reached the end of their useful life. Alternative blower technologies were assessed to select a technology and configuration to best fit the existing aeration and electrical infrastructure, and maximize performance and energy cost savings. Blowers will be sized to maintain efficient operation both at current plant flows to the plant capacity of 24 mgd AADF.

Hydraulic Modifications. Existing flow patterns at the plant present several hydraulic limitations to plant performance. Modifications were made to the aeration basins, particularly to influent and effluent structures, and flow patterns within the basin. The resulting flow patterns allow for ease of operation, while an increased sidewater depth provides additional volume and 9 percent additional aeration efficiency.

Secondary Aeration Zone Conversion to Selector. The existing aeration basins will be modified to convert the first zone to a 4-zone anoxic selector, featuring three mixed anoxic zones and one coarse bubble aerated swing zone. The selector serves two purposes: conditioning the mixed liquor to improve settling and allowing for grit removal before secondary aeration. Preventing grit buildup in the aerated zones of the basin and improving mixed liquor settling will contribute to enhanced plant performance.

Aeration Basin Cleaning, Grit Removal, and Diffuser Replacement. The existing aeration basins will be cleaned, removing accumulated grit and rags which were limiting capacity and negatively impacting aeration performance. The existing ceramic diffusers will be replaced with a new membrane-based fine-pore aeration diffuser system. This will increase oxygen transfer efficiency, overall treatment performance, and provide energy savings by reducing both the overall air demand and the required discharge pressure.

Air Header Piping Rehabilitation. Repair and rehabilitation work will be conducted on the existing 30" Stainless Steel air header yard piping in order to repair existing air leaks.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Technical Support
c.	(1) FIRM NAME Gamboa Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Southwest Ranches, FL	(3) ROLE Technical Support
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION <i>(City and State)</i> Potable Water Storage Tanks, Broward County, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES On-going	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County, FL	b. POINT OF CONTACT NAME Mr. Steve Doyle	c. POINT OF CONTACT TELEPHONE NUMBER 954-831-0962
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

New 2.5-MG Ground Storage Facility and New High Service Pump Station, Electrical/Generator Room and Chemical Facilities (District 3A). New variable speed drive pumps, in conjunction with the appropriate control logic, will maintain a relatively stable discharge pressure. Furthermore, the pumps will receive equal use and wear, maximizing the useful life of all four units and providing operations with maximum flexibility. Design complete, project going to bid.

New 5-MG Ground Storage Tank and Existing Storage Tank Repair (District 2A). Construction constraints included maintaining the existing two pump stations in operation and implementing a temporary bypass line to keep the North HSPS in full service during construction. The new 5.0 MG tank will maximize efficiency in operation of the tanks, in addition to providing an additional 3.5 MG of storage capacity. This additional capacity will provide the facility approximately 16 hours of storage at the projected average flow for 2040. Design 90 percent complete.

New 1.5-MG Ground Storage Facility, High Service Pump Station, and Chemical Facility. (District 1B1). The facility is currently comprised of a 1.5 MG finished water storage tank, a high service pump station (HSPS) including four outdoor pumps, a sodium hypochlorite feed system, a diesel engine generator, and a sewer lift station. Design, complete, project going to bid.

New Ground Storage Facility, High Service Pump Station, Chemical Facility, and Water Main Extension (final sizes to be determined during pre-design study) (District 1A2). Design assessment, design, and engineering services during construction of the new Ground Storage Facility, High Service Pump Station, Chemical Facility, and Water Main Extension. Site assessment is complete, design pending.

Carollo is also responsible for construction management of these projects.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Technical Support
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION <i>(City and State)</i> Consulting Service Contract, City of Pompano Beach, FL		22. YEAR COMPLETED PROFESSIONAL SERVICES On-going
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Pompano Beach, FL	b. POINT OF CONTACT NAME Mr. Randy Brown	c. POINT OF CONTACT TELEPHONE NUMBER 954-545-7044
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> <p>Electrical Master Plan, Phase I and II. Developed a high service pump station electrical master plan followed by implementation of identified Phase I improvements for the replacement and upgrade of power distribution system with state-of-the-art equipment to increase the reliability of the electrical system for the WTP and compliance with current building and life safety codes.</p> <p>Energy Performance Study. Review of the possible addition of variable frequency drive units to the high service pump station and replacement of HVAC equipment. The review included safety, long term reliability, and value of the proposed products.</p> <p>Prepurchase for Phase I and II Electrical Master Plan Improvements. Included prepurchase of 4160V Motor Control Centers (MCCs). The MCCs are a component of the Phase I and II upgrades.</p> <p>Lime versus nanofiltration WTP Evaluation. Evaluated the advantages and disadvantages of the expansion of the nanofiltration WTP versus an upgrade of the lime softening WTP.</p> <p>Avondale Stormwater Improvement Project. Assessed the feasibility, the regulatory permit restrictions, the cost impacts, and the flood reduction effectiveness of each potential alternative.</p> <p>High Service Pumps Improvement Project. Design of improvements to provide ample capacity and reliability for the replacement of switchgear to meet current and future energy demands and service for the High Service Pump Facility.</p> <p>Membrane Concentrate Disposal Alternative Study. Carollo evaluated alternatives for emergency disposal of membrane concentrate and implement the preferred alternative.</p> <p>Reuse Treatment Plant Permit Renewal. Carollo prepared application materials necessary for the renewal of the existing operating permit for the City's Reuse Treatment Facility, which is permitted to treat 7.5 mgd of reuse domestic.</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL
d.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ
e.	(1) FIRM NAME Gamboa Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Southwest Ranches, FL
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>

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21. TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Sunrise, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES 2011 CONSTRUCTION <i>(If applicable)</i> On-going	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Sunrise, FL	b. POINT OF CONTACT NAME Mr. Timothy Welch	c. POINT OF CONTACT TELEPHONE NUMBER 954-888-6055
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Sawgrass Water Treatment Plant Expansion Design. Carollo performed study and design services for a 3-mgd RO WTP to be constructed at the existing 18-mgd Sawgrass WTP to allow the facility to expand it to 6 mgd in the future.

Sawgrass Water Treatment Plant Expansion Study. Carollo worked on the study phase that included the evaluation of potential processes to expand potable water treatment capacity, improve overall facility water recovery, improve potable water quality, and provide an analysis of options for new brackish water treatment facilities.

Sawgrass Water Treatment Plant Membrane Element Replacement Evaluation. Carollo performed an evaluation of the industry available NF membranes to determine which would be most appropriate for use in this replacement activity.

Sawgrass Water Treatment Plant Rerate Improvements. Carollo evaluated the existing 18-mgd NF treatment system and provided the necessary technical and permitting support to re-rate the NF facility from 18 to 24 mgd. Carollo also provided construction management services (CMS) to include construction contract administration and inspection services by staff experienced in the discipline fields that correspond to the inspection activity.

Springtree Water Treatment Plant Improvements. Carollo completed the study phase of this project that included the evaluation of potential improvements for rehabilitation and renewal of a 24-mgd lime softening facility. Carollo also performed pilot testing of ion exchange and ballasted flocculation technologies for organics control alternatives. Carollo also provided construction management services to include construction contract administration and period inspection services during construction of sodium hypochlorite tank replacement project. Project includes replacement of four existing 15,000 gallon each FRP sodium hypochlorite solution storage tanks with new FRP tanks, piping, accessories, and level indicators.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Technical Support
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION <i>(City and State)</i> Water & Wastewater Service Program Management, Orange County Utilities, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES On-going	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Orange County Utilities	b. POINT OF CONTACT NAME Mr. Mark Ikeler	c. POINT OF CONTACT TELEPHONE NUMBER 407-254-9705
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Evaluation Study on USEPA Impact on Numeric Nutrient Criteria. Carollo provided evaluation study on the impact of the U.S. Environment Protection Agency (EPA) on the proposed Numeric Nutrient Criteria for each of OCU's advanced wastewater treatment facilities.

Business Plan for Central Laboratory operated by the Utilities Department. Prepared a business analysis for expansion of the existing laboratory owned and operated by Orange County Utilities supporting its water, wastewater, and other divisions.

Evaluation and Documentation of 4-log virus removal compliance at 9 WTPs. Prepared permit applications and supporting documents to document 4-log virus removal compliance at Orange County's 10 WTPs.

Southwest Service Area Conveyance Facilities Plan Update. Prepared a planning level document to select pipe routes for conveying potable water, wastewater and reclaimed water to and from the various proposed developments in the Southwest Service Area of Orange County, FL

Southwest Water Reclamation Facility Conceptual Design Update. Prepared a planning level document for recommendation of the most appropriate biological treatment process for a new 5 mgd advanced wastewater treatment plant to serve the Southwest Service Area of Orange County, FL

Northwest Water Reclamation Facility - Phase III Expansion - Value Engineering Study. Participated in a Valve Engineering Study with a goal to reduce the capital costs from \$56M to less than \$35M.

Eastern Regional Water Reclamation Facility - Phase V Expansion - Value Engineering Study. Participated in a Valve Engineering Study with a goal to reduce the capital costs from \$89M to less than \$50M.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Technical Support
d.	(1) FIRM NAME Gamboa Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Southwest Ranches, FL	(3) ROLE Technical Support
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 7
21. TITLE AND LOCATION <i>(City and State)</i> Continuing Professional Engineering Services for Potable Water and Wastewater, Daytona Beach, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES On-going	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Daytona Beach, FL	b. POINT OF CONTACT NAME Ms. Shannon Ponitz	c. POINT OF CONTACT TELEPHONE NUMBER 386-671-8825
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

WRWRF Tertiary Filter Evaluation Study and Design. Carollo prepared a conceptual level analysis of five alternative approaches for improving filtration at WRWRF, thereby providing the City with a reliable filtration system capable of meeting current and potential future permit conditions. Based on the evaluation studies conducted, Carollo recommended to replace the existing automatic backwash (ABW) filters. After the evaluation study Carollo proceeded with the design and construction of deep-bed filters to replace the existing ABW filters. Carollo also prepared bid documents for a new deep-bed filter system.

BPWRF and WRWRF Process Optimization Study. The BPWRF and WRWRF had not been consistently meeting effluent nitrogen and phosphorus permit requirements and had been using excess chemicals in order to remain in compliance. Carollo evaluated the historical performance of the facilities; the various operating systems including mixing, internal recycle, and return sludge pumping; and identified and prioritized alternative approaches to improving process performance and minimizing chemical use. Based on the evaluations Carollo recommended facility improvements for optimizing plant performance.

Replacement of Influent Screens and Mechanical Mixers at WRWRF and BPWRF. Carollo designed new mechanical screens to replace the existing plant influent screens with an option to rebuild the existing screens.

BPWRF and WRWRF Operating Permit Renewals. Carollo assisted the City in preparing and securing the operating permits from FDEP for both facilities.

WRWRF RAS-WAS and Reaeration System Improvements. Carollo designed upgrades to the existing RAS/ WAS pump system and Reaeration System Improvements. Improvements included: new RAS/WAS pumps (screw centrifugal pumps) to replace the existing submersible pumps. Improvements to the reaeration system at the bardenpho process includes new positive displacement blowers and coarse bubble diffusers.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 8
21. TITLE AND LOCATION <i>(City and State)</i> General Engineering Services, Palm Beach County Water Utilities District, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If applicable)</i>	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Palm Beach County, FL	b. POINT OF CONTACT NAME Mr. Stephen McGrew	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6110
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Carollo has been performing continuing services for Palm Beach County since 2008. Over this time Carollo has worked collaboratively with County staff on a wide assortment of utility projects, including facilities planning, design, permitting, construction, and start-up and commissioning. Relevant projects are shown below:

WTP No. 2 Ion-Exchange Treatment System. This project included a magnetic ion-exchange treatment system to achieve color reduction and dissolved organic carbon removal from the source water. Carollo's design allowed for inclusion of a softening system bypass in order to increase plant capacity by approximately 2 mgd without adding any new softening basins or downstream filters.

WTP No. 2 Filter Replacement. New filter structure with dual media filters rated for an initial capacity of 16.4 mgd and designed for 25 mgd ultimate capacity. The filter structure also includes a clearwell, transfer and backwash pumps, air scour blowers, electrical room, and chemical feed connections.

Water Master Plan Update. Developed a new water master plan to recommend capital improvements to meet the County's 20-year water needs.

WTP No. 3 Permeate Piping Replacement. This project included replacement of the permeate pipeline for a 30-mgd nanofiltration water treatment plant with a new HDPE pipeline including new stainless steel above-ground and vault piping, new flow meter, and repair and reconstruction of existing improvements affected by the piping installation.

Water Conservation Plan Development. Carollo developed a water use demand model, which identified water conservation measures to reduce water usage. The end result saved PBCWUD money by delaying and/or downsizing capital projects.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Hollywood, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL	(3) ROLE Technical Support
d.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Dallas, TX	(3) ROLE Technical Support
e.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Technical Support
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 9
21. TITLE AND LOCATION <i>(City and State)</i> Wesley WWTP Rehabilitation and Expansion, Pasco County, FL		22. YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION <i>(If applicable)</i> Est. 2020

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Pasco County, FL	b. POINT OF CONTACT NAME Mr. Ibzan Ortiz	c. POINT OF CONTACT TELEPHONE NUMBER 813-235-6189
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The Wesley Center WWTP (WCWWTP) is in need of improvements and upgrades that will accommodate an expansion to treat future flows and correct deficiencies caused by aging, corrosion, and construction problems.

The WCWWTP is a Type I conventional activated sludge wastewater facility operated under permit No. FLA016094 pursuant to Rules 62-600 and 62-610 FAC. In 2007, the WCWWTP was expanded from 3.0 to 6.0 mgd capacity with a future build out of 9.0 mgd.

Pasco County selected Carollo to perform a facility condition assessment and full evaluation, which identified and prioritized the improvements to the WCWWTP. The County requested that Carollo perform the preliminary and final design on the priority improvements, which include a new headworks, fine bubble diffuser and aeration system upgrades to each aeration tank, new chlorine contact tanks, new effluent pump station, upgraded filter backwash and mudwell system, a new chemical system, as well as the upgrades to the electrical and instrumentation system. Carollo worked with the County throughout the design. The upgrades to the operations permit are approved for the 9.0 mgd expansion. The project completing the bidding phase and awaiting award to begin the construction phase within the first quarter of 2018. Carollo was requested to assist the County throughout the construction phase of the project.

Highlights:

New headworks & ordoor control
 Process improvements to the existing biological train
 Upgraded the clarifier drives & scum removal/pumping system
 New chlorine contact tank & effluent transfer pump station
 New filter backwash mudwell & automate backwashing cycle for filters
 Expanded the sodium hypochlorite chemical system



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, FL	(3) ROLE Prime
b.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Technical Support
c.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Sarasota, FL	(3) ROLE Technical Support
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 10
21. TITLE AND LOCATION <i>(City and State)</i> South Bermuda WRF Upgrades and Expansion, Toho Water Authority, FL		22. YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION <i>(If applicable)</i> Est. 2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER TOHO Water Authority	b. POINT OF CONTACT NAME Ms. Lan Zhou	c. POINT OF CONTACT TELEPHONE NUMBER 407-944-5027
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

This project consists of the expansion of the South Bermuda Water Reclamation Facility from a capacity of 13 mgd to 16 mgd. The scope of work includes: a new grit collection system, a new secondary clarifier, modifications to the RAS and WAS pump station, disk filter evaluation that compared four disk filter manufactures, new tertiary disk filtration system, update to the sodium hypochlorite system including two new bulk storage tanks, new 3 million gallon prestressed reject ground storage tank, permitting activities, bidding and CMAR construction delivery.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Carollo Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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SF330 - PART I - SECTION G

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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 (Fill in "Example Projects Key" section below 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
Randy Braley, PE, BCEE	PM, Water & Wastewater	X	X	X	X						
Liz Fujikawa, PE, BCEE	PM, Water & Wastewater	X	X	X	X						
Lyle Munce, PE	PM, Water Treatment Eng.					X			X		
Chris Reinbold, PE	PM, Water & Wastewater					X			X		
Chuck Sinclair, PE	PIC, Water & Wastewater			X	X						
Bob Cushing, PhD, PE	Quality Management	X									
Angelica Gregory, PhD, PE	Treatment/CFD Modeling	X				X			X		
Sandeep Sethi, PhD, PE	Water Treatment Eng.										
Rod Reardon, PE, BCEE	Wastewater Treatment		X		X		X	X		X	
David Ammerman, PE	Wastewater & Reuse						X				X
Sudhan Paranjape, PE	Wastewater Treatment						X	X		X	X
Mark Ludwigson, PE	Water & Wastewater Treat		X	X	X	X			X		
Dean Milton, PE	Wastewater Treatment						X			X	
Laura Baumberger, PE	Water & Wastewater	X			X	X	X		X	X	
Joe Hanlon, PE	Electrical and I&C Eng.										X
Mario Gamboa, PE	Electrical and I&C Eng.	X	X	X	X						
Joel Smason, PE	Structural Engineering	X	X	X	X	X			X		
Rich Warner, PE	Structural Engineering						X	X		X	X
Jeff Alband, PE	Treatment Facility Archt.	X		X	X						
Chad Green, PE	Treatment Facility, HVAC	X	X	X	X	X				X	

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)	NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)
1	WTP Upgrades and General Co., Boynton Beach	6	Water & Wastewater, Orange County Utilities
2	South Central Regional, Cont. Eng. Services	7	Cont. Prof. Services, Daytona Beach
3	Potable Water Storage Tanks, Broward County	8	General Eng. Services, Palm Beach County
4	Consulting Services, City of Pompano Beach	9	Wesley WWTP Rehabilitation, Pasco County
5	General Engineering Services, Sunrise, FL	10	S. Bermuda WRF Upgrades, TOHO Water Authority

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SF330 - PART I - SECTION H

We have assembled a locally-based team of experts in the engineering and construction of water and wastewater facilities with a long history of working throughout the State of Florida to bring innovative, cost-saving ideas to our clients.

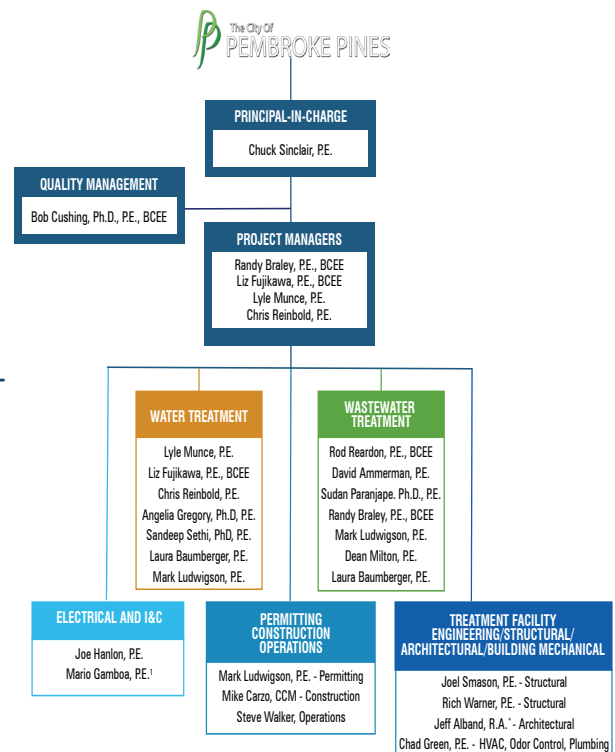
WHY IS CAROLLO THE RIGHT TEAM FOR YOU?

Nothing is more important to the success of your projects than the qualifications and experience of your consultant team. With that in mind, we offer three key reasons why the Carollo team is the right choice for the City of Pembroke Pines.

- 1. We bring innovative, cost saving ideas.** We approach each problem with a fresh solution and a toolbox of up to the minute technologies--we're not locked into any particular way of thinking that will get in the way of your vision. This team can take the projects wherever they lead, as long as it's best for the City.
- 2. Our local industry experts are passionate about water.** Our Florida staff includes recognized industry leaders serving national roles in AWWA, AWWA's the Journal, WEF, and AMTA, among others. We have the technical passion to identify innovative cost-effective solutions to address regulatory drivers, optimize water, wastewater and reuse operations, or rehabilitate existing facilities.
- 3. We understand local issues and processes.** Through our work with you and many other municipalities throughout south Florida, we understand your nuances of water quality; treatment process optimization; permitting and compliance issues; master planning drivers; and fiscal challenges. This knowledge keeps our projects focused and on schedule.

CORE PERSONNEL

The organization chart in Part I Section D identifies our core personnel. We have highlighted a snapshot of their qualifications on the following page. Additional information on these individuals and others shown in the organization chart is provided in Section D of the SF330 form. As you'll notice, our team has the depth to best fit the variety of needs of a general services contract. For example, we have four (4) potential project managers to choose from for the person with the proven experience needed to deliver your project.

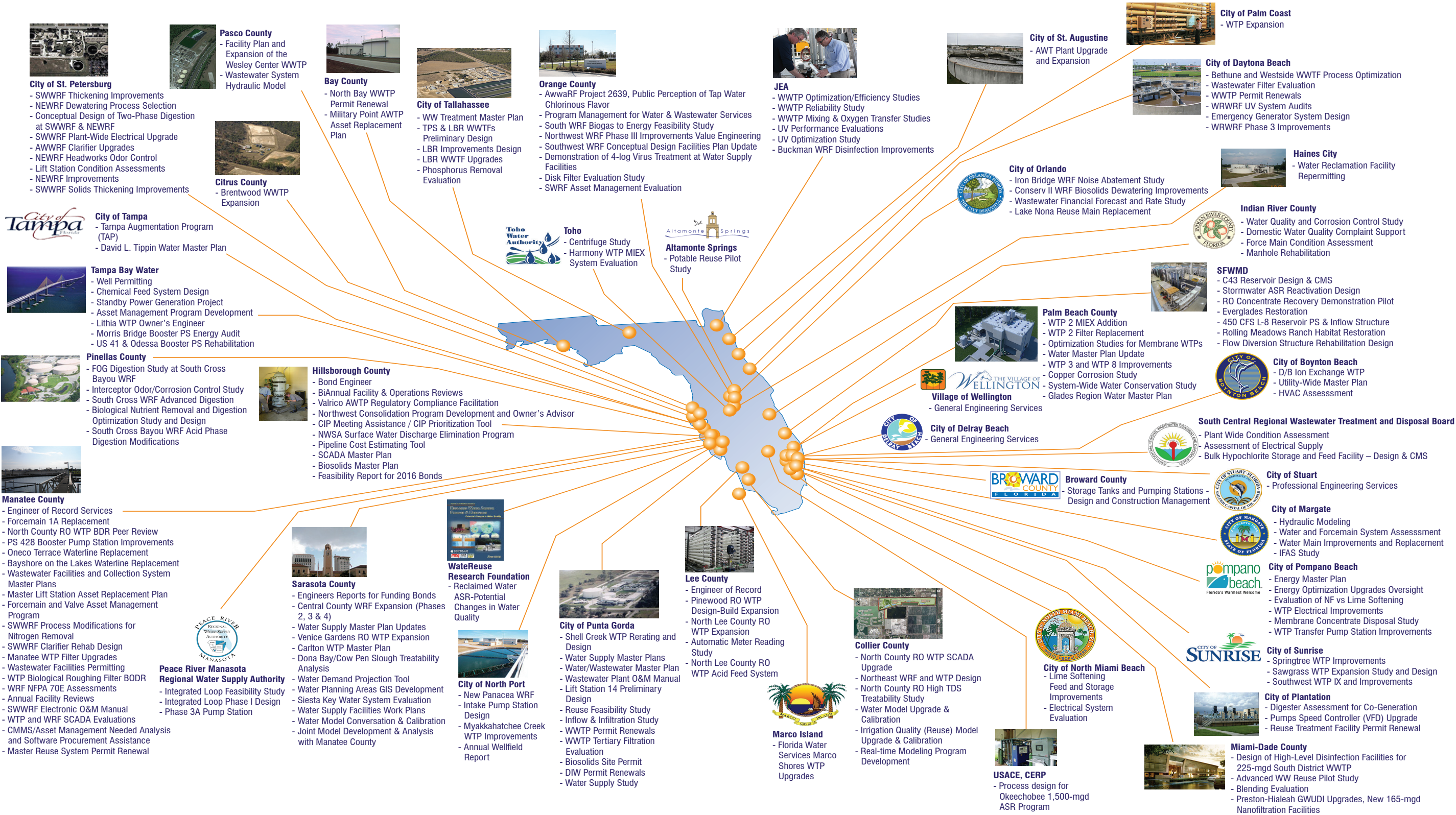


1. Gamboa Engineers, Inc.

* Licensed in a state other than Florida



The Choice for Municipal Water/Wastewater Utilities Throughout Florida



QUALIFICATIONS OF CORE CAROLLO PERSONNEL

Liz Fujikawa, P.E., BCEE Project Manager	Liz, a vice president with Carollo, has served in roles ranging from project manager to technical specialist. She is currently working for several Florida governmental agencies, including the cities of Margate, Boynton Beach, and Pompano Beach; Broward County; and the South Central Regional Wastewater Disposal Board. Other relevant experience includes:
Education: MSE Environmental Engineering BS Chemistry Years of Experience: 31 Years	<ul style="list-style-type: none"> ▶ Client service manager/project manager for the City of Boynton Beach MIEX System - Phase II. ▶ Client service manager/project manager for the Broward County Pump Stations and Storage Tanks. ▶ Client service manager/project manager for the City of Pompano Beach Electrical System Master Plan Phase I Upgrades.
Lyle Munce, P.E. Project Manager	Lyle, a vice president with Carollo, has served as client manager, project manager, project engineer, quality control coordinator, technical reviewer, and construction manager for numerous multidisciplinary water related projects. Other relevant experience includes:
Education: MS Sanitary Engineering BS Civil Engineering Years of Experience: 31 Years	<ul style="list-style-type: none"> ▶ Principal-in-charge for the Palm Beach County Water Utilities Department Water Treatment No. 2 Filter Replacement ▶ Principal-in-charge for the City of Sunrise Springtree WTP Improvements. ▶ Project manager for the Palm Beach County WTP MIEX Treatment System.
Randy Braley, P.E., BCEE Project Manager	Randy, a vice president with Carollo, has experience in water, wastewater, and reuse treatment plant planning, design and construction with multiple projects having capital construction costs over \$500M in value. Other relevant experience includes:
Education: MS Civil Engineering BS Civil Engineering Years of Experience: 36 Years	<ul style="list-style-type: none"> ▶ Quality management for the City of Boynton Beach MIEX System - Phase II. ▶ Design manager for the Miami-Dade W&SD South District WWTP Expansion. ▶ Project manager for the City of St. Petersburg, Southwest WRF Headworks Improvements Preliminary Evaluations.
Chris Reinbold, P.E. Project Manager / Lead Water Engineer	Chris, an associate with Carollo, has 14 years of experience that includes study, design, permitting, and construction administration services for treatment plants, pumping stations, pipelines, and chemical systems. Other relevant experience includes:
Education: MS Civil Engineering BS Civil Engineering Years of Experience: 14 Years	<ul style="list-style-type: none"> ▶ Project manager for the City of Sunrise Sawgrass WTP membrane replacement, acid modifications, ion exchange (IX), and other improvements. ▶ Project manager for the City of Sunrise Springtree WTP Improvements. ▶ Project manager for the Palm Beach County WTP 2 Filter Replacement.

GAMBOA ENGINEERS, LLC

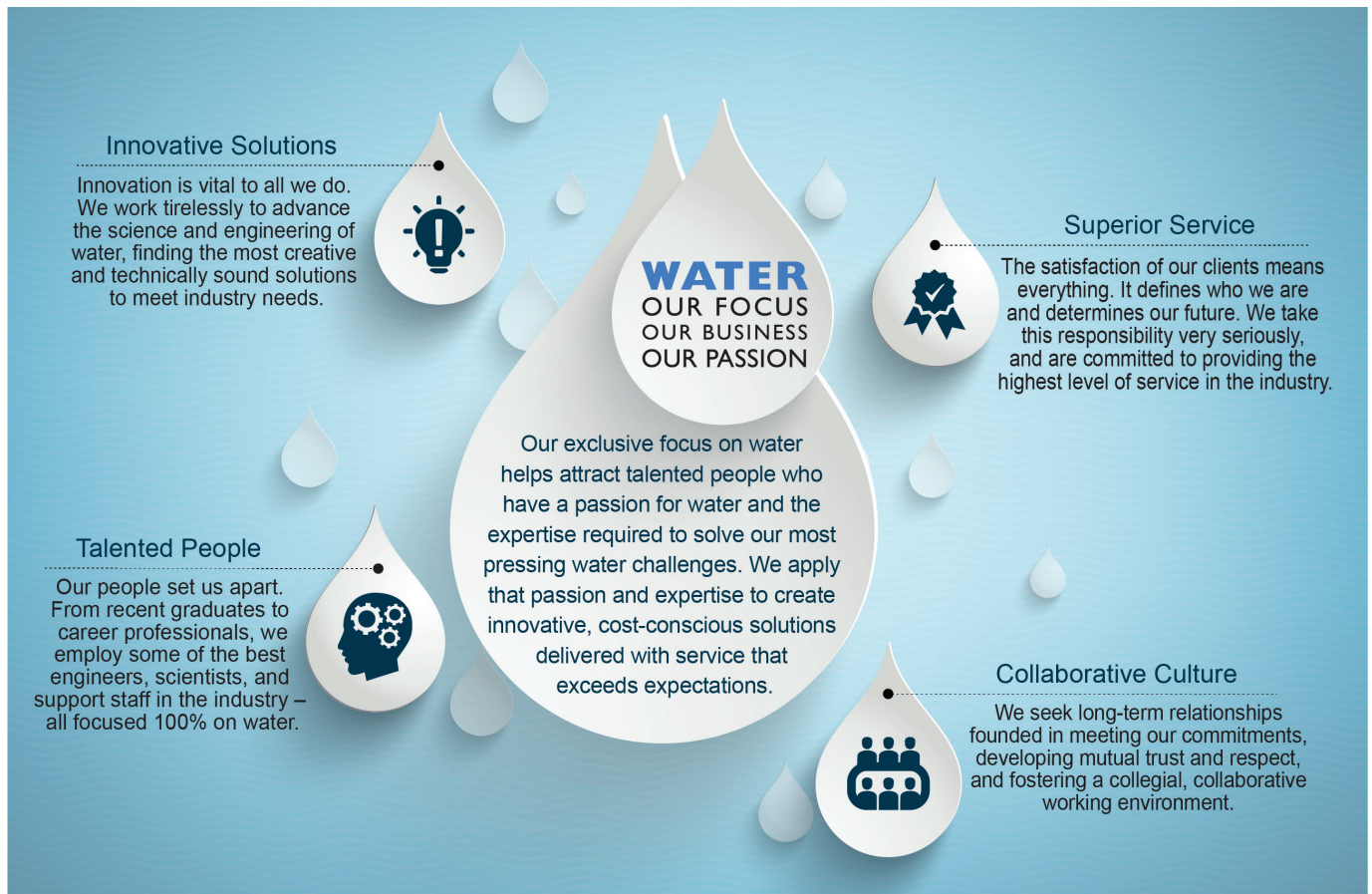


Gamboa Engineers, LLC is a consulting firm specialized in planning, designing and engineering support during construction of electrical power distribution, process controls, and instrumentation systems. While with Carollo, Mario served as Carollo's Electrical/I&C Group Lead.

Why Choose Carollo...

Choosing Carollo as a **GENERAL SERVICES CONSULTANT** will provide the City the benefit of Carollo's 85 years of experience performing similar projects. Key benefits Carollo will provide include:

- **Water and Wastewater Infrastructure and Process Expertise.** Unlike many of our competitors, our firm's sole focus is on water and wastewater infrastructure and the associated treatment processes ensures that our team has experience needed to deliver any type of water and wastewater project you wish to complete under the general consulting services work in an efficient and cost-effective manner.
- **Commitment to the City.** Our commitment to Pembroke Pines is to be responsive, to provide the right match of talent to task, to work in a team environment with all stakeholders, and to blend sustainability, innovation, operation and maintenance, and reliability measures into each project - the same high level of commitment and service our clients throughout southeast Florida have come to expect.
- **Ability to Listen.** Our past successes are founded on our ability to listen and partner with our clients. This attribute will be especially valuable in on-call pool projects, where tight schedules are met by getting it right the "first time."



OUR PARTNERING APPROACH KEEPS YOU ENGAGED

"The work performed by Carollo consistently met or exceeded our expectations, particularly with respect to proactive and effective communication between all parties."

– Paul Mattausch,
Director, Water Department, Collier County

What Sets Us Apart...

PAST PERFORMANCE

WATER
OUR FOCUS
OUR BUSINESS
OUR PASSION

Local Awards, Certifications, and Other Recognition



State of the Art MIEX® System

- This project won an award from the Florida Institute of Consulting Engineers.
- The system is the largest MIEX System of its type in North America.
- The system has saved PBC approximately \$310,000/year in operations costs.



Expansion to 11.6 mgd

- This project won the 2012 Florida Section Design-Build Institute of America (DBIA) Award for Water/Wastewater projects.
- Provided pilot testing, design, and construction phase services for the membrane treatment system.



Design of Pump Station and Inflow Structure

- The L-8 Flow Equalization Basin Project received the "Engineering Project of the Century" Award from the Florida Engineering Society.



Carollo's Leadership in Water and Wastewater

- We currently rank within the top 12 firms for water and wastewater treatment, per the Engineering News Record 2017.
- We regularly present 15-20 and 20-25 technical papers related to water and wastewater at AWWA ACE and WEFTEC conferences, respectively. This is a testament to our efforts to be on the cutting edge of water and wastewater technology.
- Our people set us apart. From recent graduates to career professionals, Carollo employs some of the best engineers and scientists in the industry.

Carollo Has an Innovative Focus

Innovation is vital to all we do. We work tirelessly to advance the science and engineering of water and wastewater finding the most creative and technically sound solutions to fit your needs. Carollo dedicates funds annually to conduct leading edge research and development to advance the state of the water industry, and most importantly solve challenges for our clients.

Examples of the areas where we have applied innovative techniques and solutions include:

- Facilities Expansions
- Biological Filtration in Water Treatment Plants
- Improved Energy Management
- Sustainability of Resources
- Trace Organic Contaminant Mitigation
- Utility Management

"Carollo has consistently demonstrated to us that they perform their services to the **HIGHEST STANDARD**, give consideration to our needs and preferences and bring **EXCEPTIONAL TALENT** to the projects they undertake, whether they are operational enhancements for full scale designs of new treatment plant additions or processes, such as our new ion exchange project."

– Maurice Tobon, PE, Former Director of Engineering,
Palm Beach County Water Utilities Department



November 10, 2017

Mr. Larry Elliott, P.E.
Senior Vice President
Carollo Engineers, Inc.
200 East Robinson Street, Suite 1400
Orlando, FL 32801

Subject: Performance Assessment/ Direct Potable Reuse

Dear Mr. Elliott,

The City of Altamonte Springs has a long history of being on the forefront of water resources management and implementing creative ideas to serve our utility customers and protect the environment. Through our competitive engineering consultant selection process, our staff chose Carollo Engineers, Inc. (Carollo) to work on our latest and most important water resource project yet, pureALTA. As you are aware, this project required specific unit process expertise, some local knowledge, and a sharp attention to schedule and delivery of tasks to meet funding requirements.

We have been particularly pleased with the exceptional performance by Carollo throughout the design and implementation of this project. Many consulting firms tout their national leaders and resources, but are frequently unable to function and deliver as a single entity. However, the Carollo team was able to use their Florida staff (David Ammerman, Pranjali Kumar) and their California staff (Andy Salveson) completely seamless. Experts were not just a "resume" in a proposal, but active participants vested in the success of the project.

Moreover, throughout the project duration, we had productive and frequent collaboration that resulted in a project that not only met our goals, but one that exceeded our expectations. In fact, pureALTA was awarded the 2017 WaterReuse Innovative Project of the Year.

Carollo team's technical expertise, project management skills and leadership were evident through all intermediate milestones and final project delivery. Based on the caliber of work performed, I look forward to working with Carollo again and recommend them on any future water resources assignments.

Sincerely,

Ed Torres, M.S., P.E., LEED AP
Director of Public Works & Utilities



CITY OF TAMPA

Bob Buckhorn, Mayor

Water Department

Chuck Weber, P.E., Director

June 21, 2017

RE: Carollo Engineers, Inc.

To Whom It May Concern:

I am writing this letter to recommend the professional engineering services of Carollo Engineers, Inc. The City of Tampa Water Department hired Carollo Engineers, Inc. to develop a master plan for the David L. Tippin Water Treatment Facility. This project kicked off last summer and we are currently reviewing the master plan document.

As the City's project manager, I greatly appreciate the leadership of Mr. Larry Elliot, P.E., who led the Carollo project team with his extensive knowledge and years of experience. The Carollo project team produced quality deliverables and performed well. Their comprehensive project approach and solid project structure to the development of the master plan provided ample opportunities for our team to be fully engaged in the overall process. The Carollo team was responsive and attentive.

I would not hesitate to recommend Carollo Engineers, Inc. for another project. If you have any question, please do not hesitate to contact me. I can be reached at (813) 274-7095.

Sincerely,

Seung Park, P.E., Chief Engineer
Tampa Water Department

306 E. Jackson St., SE • Tampa, Florida 33602 • (813) 274-8121 • FAX: (813) 274-7435

www.TampaGov.net



CITY OF ORLANDO

October 31, 2014

SUBJECT: Carollo Engineers, Inc.
Letter of Recommendation
City of Orlando City Project 6464
Conserv II Biosolids Dewatering System Improvements

To Whom It May Concern:

In 2013, the City of Orlando (City) selected Carollo Engineers, Inc. (Carollo) for a \$6.5M project to replace the aging biosolids dewatering system at the City's Conserv II Water Reclamation Facility (WRF). The preliminary phase of the project included side-by-side pilot testing of multiple mechanical dewatering systems at the WRF, for which Carollo developed the Pilot Test Protocol, oversaw the testing, and analyzed and summarized the pilot test data. Also included in the preliminary phase of the project was a complete evaluation of the existing dewatering system at the WRF, including the mechanical dewatering equipment, sludge pumping, polymer system, dewatered sludge conveyance system, and odor control system. A series of technical memorandums were developed that formed the basis of design for the dewatering system components.

The City is currently preparing to enter into the final design phase of this project with Carollo. This was the first time we hired Carollo for a design project and we are extremely pleased with that decision. From the start, they have performed very professionally, been extremely responsive and have brought the most qualified and appropriate personnel to service us and our needs as a client. Carollo has delivered on all their promises plus more. The City is looking forward to completing the next phases of this project with Carollo.

In my opinion, Carollo is a top-notch consulting firm with a staff of highly skilled engineers. Based upon my experience on this project, I would have a strong willingness to hire Carollo for future work involving wastewater treatment processes.

Sincerely,

Kristi L. Fries, P.E.
Project Manager
kristina.fries@cityoforlando.net
407-246-3353

CAPITAL IMPROVEMENT & INFRASTRUCTURE DIVISION • PUBLIC WORKS DEPARTMENT
CITY HALL • 400 SOUTH ORANGE AVENUE • ORLANDO, FLORIDA 32801-3302
• Fax (407) 246-2892 • <http://www.cityoforlando.net>



November 3, 2014

To Whom It May Concern:

RE: Professional Performance of Carollo Engineers

Sir or Madam:

Sarasota County has maintained a professional relationship with the firm of Carollo Engineers for over ten years. During that time, Carollo has provided us with consulting and engineering services for projects that include research, operation and maintenance, renewal and replacement, and the design and construction of improvements to the county's water and wastewater treatment systems. Most recently, we have been working with Carollo on a major project involving the multi-year expansion of the Central County Water Reclamation Facility which is one of our County's large regional treatment facilities. While Carollo is the local recognized leader in treatment technology, they have also provided valuable services with respect to all forms of utility design and construction.

Staff members of the County have been extremely pleased with the cost, quality, timeliness, and responsiveness of the professional consulting and engineering services that we have received from Carollo. Our association has been very positive and we have always found the principals, staff members, and support staff to be above average in professional capability.

I am confident that our favorable experience with Carollo is reflective of the level of service and satisfaction that others can expect, and I highly recommend them to other potential clients who are seeking quality, professional engineering services that are personally customized to meet their particular project requirements.

Sincerely,

Gregory Rouse, P. E. (FL)
Utilities Technical Manager
Sarasota County Public Works

Capital Management Services • 1001 Sarasota Center Blvd., Sarasota, FL 34240
Tel (941) 861-0533 • Fax (941) 861-0589

CAROLLO ENGINEERS, INC. – AWARDS WON		
INSTITUTION	CLIENT/PROJECT NAME	YEAR / AWARD NAME
2017		
Corporate Vision Magazine	Blue Pan-it® Team	2017 Software & Technology Innovation Award
Design-Build Institute of America (DBIA)	Metro Wastewater Reclamation District - PAR 1088 Northern Treatment Plant	2017 National Award of Merit, Water/Wastewater Category
American Academy of Environmental Engineers and Scientists	Metro Wastewater Reclamation District - Robert W. Hite Treatment Facility South Secondary Improvements Project	2017 Grand Prize for Design
AZ Water Association	City of Apache Junction/Apache Junction Water Co. Superstition Area Water Plant	2017 Small Treatment Plant Project of the Year
AZ Water Association	City of Apache Junction/Apache Junction Water Co. Superstition Area Water Plant	2017 Water Treatment Plant Project of the Year
Institute for Sustainable Infrastructure	City of Phoenix Verde WTP Facilities Demolition	2017 Envision Platinum Award
2016		
California Water Environment Association (CWEA) San Francisco Bay Section	City of Hayward, CA - Cogeneration Facility	2016 Engineering Award of the Year
Water Infrastructure Finance Authority (WIFA)	City of Apache Junction/Apache Junction Water Co. Superstition Area Water Plant	2016 Drinking Water Project of the Year
Design Build Institute of America	Clifton Water District, CO - MF/UF Water Treatment Plant Upgrade	2016 National Award of Merit for Water/Wastewater
Engineering News Record (Mountain States)	Colorado Springs Utilities (CSU) Southern Delivery System Program	Regional Best Projects for Water/Environment - Special Recognition
American Council of Engineering Companies (ACEC)	Delano Biotitta™ Wellhead Nitrate Treatment Demonstration Project.	2016 Engineering Excellence Awards - Honor Award
2015		
Engineering News Record (Texas & Louisiana)	City of Austin, TX - WTP 4	2015 Merit Award in Water/Environmental Category
American Public Works Association	West Sacramento Bridge District Water Storage Facility and Park	2015 Public Works Project of the Year (Small Cities/Rural Communities - Structures Category)
Construction Management Association of America (Northern California Chapter)	CCCSO Concord Landscape Project: Recycled Water Distribution Extension	2015 Public Works Project of the Year (<\$10M)
AGC of America	Intel/Sundt Ocotillo Brine Reduction Facility Design-Build	2015 Alliant Build America Award
2014		
Water Infrastructure Finance Authority (WIFA)	City of Eloy, AZ – Houser/Toltec Waterline Improvement Project	2014 Drinking Water Project of the Year
American Public Works Association	West Sacramento Bridge District Water Storage Facility and Park	2014 Project of the Year - Small Agency Division, Parks and Trails Category
Florida Institute of Consulting Engineers	Palm Beach County System 2 WTP Ion Exchange Treatment	2014 Engineering Excellence Awards Program
AZ Water Association	City of Phoenix / SROG USBR Salinity Research on Concentrate Management Pilot Demonstration Study	2014 Quentin Mees Research Award

CAROLLO ENGINEERS, INC. – AWARDS WON		
INSTITUTION	CLIENT/PROJECT NAME	YEAR / AWARD NAME
American Academy of Environmental Engineers and Scientists	Greater Cincinnati Water Works, OH – UV Disinfection for the Richard Miller Treatment Plant	2014 Excellence in Environmental Engineering and Science Award, Operations/Management
Construction Management Association of America	Orange County Sanitation District, CA – Plant No. 2 Headworks Replacement (P2-66)	2014 Award for Public Works – More than \$100 Million
Arizona Forward	City of Phoenix, AZ – Aquifer Storage and Recovery (ASR) Well Program (Innovations in Aquifer Storage and Recovery Well Technologies) (7794A10 and A30) Well No. 299 ASR Equipping Infrastructure Design, Permitting, and Construction Administration (8799A20) ASR Well 281 (9A-Well 300) Construction Administration and Inspection (8698B10) Cave Creek Water Reclamation Plant ASR Well Design and Construction Administration	2014 Environmental Stewardship-SRP Merit Award – Central Arizona
Arizona Forward	City of Sedona, AZ – Sedona Wetlands and WWRP Upgrades (Sedona Wetlands Preserve)	2014 Environmental Stewardship-SRP Merit Award – Northern Arizona
2012 - 2013		
American Society of Civil Engineers, Orange County Branch	Orange County Sanitation District, CA – Plant No. 2 Headworks Replacement (P2-66)	2013 Wastewater Treatment Project of the Year Award
Orange County Engineering Council	Orange County Sanitation District, CA – Plant No. 2 Headworks Replacement (P2-66)	2013 Engineering Project of the Year Award
American Society of Civil Engineers, Los Angeles Section	City of Santa Barbara, CA - El Estero Headworks Screening Replacement Project	2013 Outstanding Private Sector Civil Engineering Project
National Groundwater Association (NGWA)	City of Phoenix, AZ – Aquifer Storage and Recovery (ASR) Well Program (7794A10 and A30) Well No. 299 ASR Equipping Infrastructure Design, Permitting, and Construction Administration (8799A20) ASR Well 281 (9A-Well 300) Construction Administration and Inspection (8698B10) Cave Creek Water Reclamation Plant ASR Well Design and Construction Administration	2013 Outstanding Groundwater Supply Award
California Association of Sanitation Agencies	Carollo Engineers and West County Wastewater District, District-Wide Master Plan	2013 Organization Excellence Award
International Partnering Institute	East Bay Municipal Utility District, CA - Generation Station Renewable Energy Expansion Project	2013 John L. Martin Partnered Project of the Year Award, Sapphire Level
AZ Water Association	City of Casa Grande, AZ – Casa Grande Water Reclamation Facility Phase 3 Expansion	2013 Clean Water Project of the Year – System and Treatment
AZ Water Association	Ak-Chin Indian Community, Maricopa, AZ – Surface Water Treatment Plant	2013 Water Treatment Project of the Year
Design-Build Institute of America	Lee County Utilities, FL - North Lee County Reverse Osmosis Water Treatment Plant Expansion Design-Build	2012 Florida Section DBIA Award for Water / Wastewater projects under \$25 million

UNDERSTANDING THE CHALLENGES

Maintaining the City of Pembroke Pines' high-quality water, and wastewater water facilities requires ongoing diligence and effective investment to meet short-term needs while simultaneously, meeting long-term goals of preserving and enhancing the City's assets.

Water Treatment Background

The City's existing 24-mgd water treatment plant, located on Johnson Street, serves 42,000 customers. The plant's treatment process include four 6-mgd lime softening water treatment units, followed by four Greenleaf filters, 12 mgd of ion-exchange treatment, disinfection, and a 2.5 million gallon finished water storage tank.

Wastewater Treatment Background

Wastewater collected in the City is treated by the City's 9.5-mgd Pembroke Pines wastewater treatment plant (WWTP) for the portion of wastewater generated generally west of Flamingo Road, with another 7 to 8 mgd treated by the City of Hollywood for wastewater collected east of Flamingo Road. The WWTP has been built in a series of phases beginning in 1984 to achieve the combined permitted treatment capacity of 9.5 mgd. The WWTP currently consists of four 2.0 mgd and one 1.5 mgd biological treatment units built in phases along with influent surge tanks, influent screening and grit removal units, and biosolids storage and dewatering processes, and an effluent discharge system. The effluent system consists of effluent storage tanks, an effluent pump station, well disposal surge tanks, emergency overflow basins, and two deep injection disposal wells. The Pembroke Pines effluent discharge permit issued by the Florida Department of Environmental Protection (FDEP) is a conventional secondary discharge permit with maximum monthly average limits for five-day biochemical oxygen demand (BOD5) of 30 mg/l and total suspended solids (TSS) of 30 mg/l.

Carollo's ability to listen to and collaborate with the Owner on innovative design solutions is unmatched by anyone in the industry. Their attention to detail and thorough design development translates into a quality work product in the field, one that the entire project team can be proud of - Sherman Papke, Lead Facility Construction Engineers, (Denver) Metro Wastewater Reclamation District

Factors for Pembroke Pines Water and Wastewater Treatment Facilities Success

Critical success factors to provide reliable, cost-effective water and wastewater treatment to Pembroke Pines, while establishing the foundation of the future are:

1. Optimizing operation and maintenance (O&M) of water and wastewater treatment facilities to save energy, reduce annual O&M costs, and increase the sustainability of the City's utilities.
2. Increasing the robustness of the water and wastewater treatment facilities to meet overall demand conditions, emergency conditions, and future regulatory requirements.
3. Increasing capacity of the existing facilities through process operational optimization to save potential future capital costs.
4. Turn wastewater treatment facility biosolids and liquid byproducts into City resources.
5. For planning and design projects, focus on the endpoint - a built facility delivered on time that is reliable, easy to operate, and applies innovation to accomplish a specific goal.

As we undertake individual contracts to advance the City goals for the treatment facilities, we will apply our experience and knowledge to address these critical success factors by:

1. Applying asset management expertise to the planning and design of new facilities to ensure the City's holistic needs are met.
2. Using appropriate process, hydraulic, and computational fluid dynamics (CFD) models to maximize treatment effectiveness and capacity for each dollar invested.
3. Providing construction management services focused on meeting quality, schedule, and safety commitments.
4. Listening to your O&M and engineering staff from planning through facility commissioning to deliver facilities that you want to operate for years to come.
5. Conducting early implementation planning that shortens the permitting process, and keeps facilities operating with minimal disruption during construction thereby reducing costs and the time to receive beneficial use of new facilities.
6. Applying our experience and best practices to design systems or modify operations protocols to deliver no- or low-cost capital improvements whenever possible.

When we listen to our client's needs and focus on these critical success factors great things happen whether on a 0.1 mgd treatment plant, the 300-mgd treatment plant for Orange County (CA), or the hundreds of other wastewater treatment facilities we have designed in Florida and across the US. For Denver Metro (CO) our dewatering side-stream treatment process reduced clarifier costs by \$17 M and increased treatment capacity from 86 to 106 mgd without new aeration basins or clarifiers. Additionally, Carollo gained regulatory approval for an innovative air supply approach that saved \$1 M in capital. ***This project received the 2017 Grand Prize for Design from the American Academy of Environmental Engineers and Scientists.***



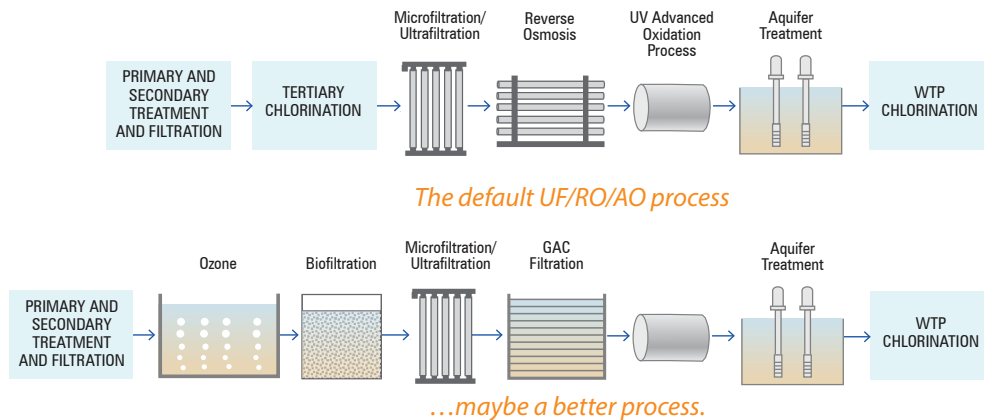
Creativity at Denver Metro adds almost 25% capacity without the cost of new major structures.

Technology for Your Future Water Needs

As the City contemplates the future for water treatment, wastewater treatment, and effluent reuse, the best and highest uses of reclaimed water need to be considered. For reuse projects, we have found three principles are essential to success.

1. Safety is our first priority for any intended water use whether public access irrigation or potable use - *public safety factors into every decision.*
2. Best use of available water for customer long term-needs drives *unbiased reuse technology selection.*
3. Public support is derived from sincere and extensive efforts *to make complex supply, treatment, and use issues understandable for all.*

It is important to keep in mind that there are more options to implementing a reuse project than might first appear. As we have determined through our leading edge research and engineering, the traditional approach may not be the best option, especially when adding new treatment processed to existing facilities.



Carollo's long-term commitment to participating in cutting edge reuse research has enabled us to shape the reuse industry. We bring the findings of this ongoing research to your project along with experience from over 300 reuse and reclamation projects. For Altamonte Springs, FL managing the brine created by RO treatment was a problem, plus RO was not needed to reduce total dissolved solids to secondary drinking water standards; therefore, Carollo's solution from pilot testing an ozone/biologically active carbon filtration process met all safety and water quality standards at lower capital and O&M costs.

For the Toho Water Authority (FL), Carollo has proposed the application of ozone in advance of delivery of reclaimed water to an existing rapid infiltration basin (RIB) system. Our Toho pilot study is looking at enabling Florida utilities with RIBs to effectively leverage their existing investment into a future potable reuse system.

We are taking yet another approach for the City of Tampa by working with FDEP to develop an indirect potable reuse system with additional treatment to fill in any gaps, and an aquifer recharge/recovery system which will then recharge the City's surface water reservoir upstream of the WTP. The above reuse projects were led by **David Ammerman, the 2017 Reuse Person of the Year (Florida Water Environment Association) who is proposed as a key resource for Pembroke Pines.**

Contracting Process

The origination and goals of individual projects released under this Profession Service Providers (PSP) procurement will be determined by the City. Our team will translate those goals into a project scope, budget, and schedule for City review and approval. The project contract will include the critical elements that we understand as necessary for successful delivery of a project including a management and technical plan incorporating:

- Scope of work.
- Schedule with milestones.
- Price directly linked to the agreed upon scope of work.
- Management approach.
- Assignment of the right team.
- Management of risk on behalf of the City.
- Establishment of a clear communication plan.

Our passion and business mission is water...**only water**. We are dedicated to the planning, design, construction management, and asset management of potable water, wastewater, and reclaimed water facilities. The tangible benefit to the City is realized in resource planning and assignment of the right water-focused people to the right job. We perform projects locally from our Broward and West Palm Beach offices, bringing to the City the benefit of globally-recognized experts as needed. Projects will be managed from our Broward County office. To maintain continuity necessary for project success, our staff stay with a project from initiation through completion.

Optimizing the Benefit of Capital Expenditures

We are offering to implement a capital plan optimization approach shortly after selection that would provide the City a fresh opportunity to shape the scope and timing of each future PSP project. The over-arching approach would maximize the fiscal and operational benefit to the City of each capital dollar expended, project by project. The proposed process to deliver the capital plan optimization approach consists of:

- Conducting a forward-looking optimization meeting, attended by key City staff, your future Utilities Comprehensive Master Plan contractor, and our team. The meeting would identify near-and long-term critical successful factors and creates tangible program actions plans.
- Facilitating an innovation workshop to take a fresh look at City challenges and possible solutions to increase the value and performance of City water and wastewater assets including energy efficiency and making the best use of all facility related resources.
- Incorporating the results of these meetings into an implementation supplement to the upcoming Utilities Comprehensive Master Plan effort that establishes the detailed timing of projects to be delivered.
- Fostering O&M savings in early projects that can be translated into “new” capital for use in later projects.
- Enabling the City to implement as much or as little of the program as you choose.

Our approach to subsequent contracts will be consistent with the City’s defined goals for a given project and the optimization principles established with the City through this process. We will enable the city to meet and exceed treatment objectives at the lowest energy costs and achieve the best use of every drop of water in the City.

SF330 - PART II

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 2004		4. UNIQUE ENTITY IDENTIFIER 045809316	
2b. STREET 3440 Hollywood Blvd., Suite 465			5. OWNERSHIP			
2c. CITY Hollywood			2d. STATE FL		2e. ZIP CODE 33021	
6a. POINT OF CONTACT NAME AND TITLE Charles Sinclair, PE, Senior Vice President			a. TYPE Corporation			
6b. TELEPHONE NUMBER 954-837-0030			6c. E-MAIL ADDRESS csinclair@carollo.com		b. SMALL BUSINESS STATUS No	
			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc			
8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC			8b. YEAR ESTABLISHED 1998		8c. UNIQUE ENTITY IDENTIFIER 045809316	

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	0	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	4	E03	Electrical Studies and Design	7
	Computer Personnel	42	0	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	0	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	0	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	0	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	2			
21	Electrical Engineers	39	0			
23	Environmental Engineers	268	2			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	0			
	Marketing	42	0			
42	Mechanical Engineers	22	0			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	0			
	Word Processing	20	0			
	Other Employees	79	0			
Total		1,091	8			

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


a. Federal Work	6
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 7/24/18
c. NAME AND TITLE Charles Sinclair, PE, Senior Vice President		

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 2012		4. UNIQUE ENTITY IDENTIFIER 045809316	
2b. STREET 2056 Vista Parkway, Suite 400			5. OWNERSHIP			
2c. CITY West Palm Beach			2d. STATE FL	2e. ZIP CODE 33411		
6a. POINT OF CONTACT NAME AND TITLE Chris Reinbold, PE, Associate Vice President			a. TYPE Corporation			
6b. TELEPHONE NUMBER 941-371-9832			6c. E-MAIL ADDRESS dmilton@carollo.com			b. SMALL BUSINESS STATUS No
			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc			
8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC			8b. YEAR ESTABLISHED 1998		8c. UNIQUE ENTITY IDENTIFIER 045809316	

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	1	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	7	E03	Electrical Studies and Design	7
	Computer Personnel	42	0	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	3	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	0	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	0	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	0			
21	Electrical Engineers	39	3			
23	Environmental Engineers	268	0			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	1			
	Marketing	42	0			
42	Mechanical Engineers	22	0			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	0			
	Word Processing	20	0			
	Other Employees	79	1			
Total		1,091	15			

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS**11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS**
(Insert revenue index number shown at right)

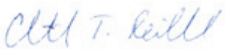
a. Federal Work	6
b. Non-Federal Work	10
c. Total Work	10

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 7/24/18
c. NAME AND TITLE Chris Reinbold, PE, Associate Vice President		

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City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS*(If a firm has branch offices, complete for each specific branch office seeking work.)*


2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 2001	4. UNIQUE ENTITY IDENTIFIER 045809316
2b. STREET 301 North Cattlemen Road, Suite 302			5. OWNERSHIP	
2c. CITY Sarasota			a. TYPE Corporation	
2d. STATE FL	2e. ZIP CODE 34232		b. SMALL BUSINESS STATUS No	
6a. POINT OF CONTACT NAME AND TITLE Dean Milton, PE, Associate Vice President			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc	
6b. TELEPHONE NUMBER 941-371-9832		6c. E-MAIL ADDRESS dmilton@carollo.com		

8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC	8b. YEAR ESTABLISHED 1998	8c. UNIQUE ENTITY IDENTIFIER 045809316
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	1	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	5	E03	Electrical Studies and Design	7
	Computer Personnel	42	1	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	0	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	0	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	0	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	3			
21	Electrical Engineers	39	0			
23	Environmental Engineers	268	2			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	0			
	Marketing	42	0			
42	Mechanical Engineers	22	0			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	0			
	Word Processing	20	0			
	Other Employees	79	0			
Total		1,091	12			

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	6	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 7/24/18
c. NAME AND TITLE Dean Milton, PE, Associate Vice President	

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City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS*(If a firm has branch offices, complete for each specific branch office seeking work.)*

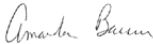
2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 2014	4. UNIQUE ENTITY IDENTIFIER 045809316
2b. STREET 10117 Princess Palm Avenue, Suite 340			5. OWNERSHIP	
2c. CITY Tampa			2d. STATE FL	2e. ZIP CODE 33610
6a. POINT OF CONTACT NAME AND TITLE Amanda Bauner, PE, Associate Vice President			a. TYPE Corporation	
6b. TELEPHONE NUMBER 813-888-9572			b. SMALL BUSINESS STATUS No	
6c. E-MAIL ADDRESS abauner@carollo.com			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc	

8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC	8b. YEAR ESTABLISHED 1998	8c. UNIQUE ENTITY IDENTIFIER 045809316
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	1	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	5	E03	Electrical Studies and Design	7
	Computer Personnel	42	2	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	1	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	0	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	0	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	1			
21	Electrical Engineers	39	0			
23	Environmental Engineers	268	0			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	1			
	Marketing	42	1			
42	Mechanical Engineers	22	0			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	1			
	Word Processing	20	0			
	Other Employees	79	0			
Total		1,091	13			

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	6	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 7/24/18
c. NAME AND TITLE Amanda Bauner, PE, Associate Vice President	

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City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 2006		4. UNIQUE ENTITY IDENTIFIER 045809316	
2b. STREET 200 East Robinson Street, Suite 1400			5. OWNERSHIP			
2c. CITY Orlando			2d. STATE FL	2e. ZIP CODE 32801		
6a. POINT OF CONTACT NAME AND TITLE Erica Stone, PE, Senior Engineer			a. TYPE Corporation			
6b. TELEPHONE NUMBER 941-371-9832			6c. E-MAIL ADDRESS dmilton@carollo.com			b. SMALL BUSINESS STATUS No
8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC			8b. YEAR ESTABLISHED 1998		8c. UNIQUE ENTITY IDENTIFIER 045809316	
			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, 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. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	1	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	4	E03	Electrical Studies and Design	7
	Computer Personnel	42	4	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	0	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	1	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	1	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	1			
21	Electrical Engineers	39	1			
23	Environmental Engineers	268	12			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	1			
	Marketing	42	0			
42	Mechanical Engineers	22	0			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	0			
	Word Processing	20	0			
	Other Employees	79	2			
Total		1,091	28			

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

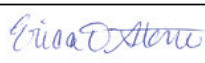
a. Federal Work	6
b. Non-Federal Work	10
c. Total Work	10

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 7/24/18
c. NAME AND TITLE Erica Stone, PE, Senior Engineer		

STANDARD FORM 330 (REV. 8/2016) PAGE 6

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 1993	4. UNIQUE ENTITY IDENTIFIER 045809316
2b. STREET 4600 East Washington Street, Suite 500			5. OWNERSHIP	
2c. CITY Phoenix			2d. STATE AZ	2e. ZIP CODE 85034
6a. POINT OF CONTACT NAME AND TITLE Lisa Freestone, PE, Vice President			a. TYPE Corporation	
6b. TELEPHONE NUMBER 602-263-9500			b. SMALL BUSINESS STATUS No	
6c. E-MAIL ADDRESS lfreestone@carollo.com			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc.	


8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC	8b. YEAR ESTABLISHED 1998	8c. UNIQUE ENTITY IDENTIFIER 045809316
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	42	A12	Automation; Controls; Instrumentation	7
06	Architects	5	5	C15	Construction Management	8
10	Chemical Engineers	7	2	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	19	E03	Electrical Studies and Design	7
	Computer Personnel	42	10	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	0	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	9	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	2	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	13			
21	Electrical Engineers	39	3			
23	Environmental Engineers	268	31			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	1			
	Marketing	42	5			
42	Mechanical Engineers	22	5			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	5			
	Word Processing	20	2			
	Other Employees	79	6			
Total		1,091	160			

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	6	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 7/24/18
c. NAME AND TITLE Lisa Freestone, PE, Vice President	

STANDARD FORM 330 (REV. 8/2016) PAGE 6

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS*(If a firm has branch offices, complete for each specific branch office seeking work.)*

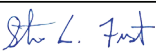
2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 1998	4. UNIQUE ENTITY IDENTIFIER 045809316
2b. STREET Signature Place II, 14785 Preston Road, Suite 950			5. OWNERSHIP	
2c. CITY Dallas			a. TYPE Corporation	
2d. STATE TX			b. SMALL BUSINESS STATUS No	
2e. ZIP CODE 75254			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc.	
6a. POINT OF CONTACT NAME AND TITLE Steve Frost, PE, Associate Vice President				
6b. TELEPHONE NUMBER 972-239-9949		6c. E-MAIL ADDRESS sfrost@carollo.com		

8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC	8b. YEAR ESTABLISHED 1998	8c. UNIQUE ENTITY IDENTIFIER 045809316
---	------------------------------	---

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	4	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	13	E03	Electrical Studies and Design	7
	Computer Personnel	42	2	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	0	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	0	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	1	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	8			
21	Electrical Engineers	39	1			
23	Environmental Engineers	268	8			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	5			
	Marketing	42	4			
42	Mechanical Engineers	22	5			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	3			
	Word Processing	20	1			
	Other Employees	79	3			
Total		1,091	58			

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	6	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 7/24/18
c. NAME AND TITLE Lisa Freestone, PE, Vice President	

STANDARD FORM 330 (REV. 8/2016) PAGE 6

City of Pembroke Pines

Bid PSEN-18-02

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ PSEN-18-02

PART II - GENERAL QUALIFICATIONS*(If a firm has branch offices, complete for each specific branch office seeking work.)*

2a. FIRM (or Branch Office) NAME Carollo Engineers, Inc.			3. YEAR ESTABLISHED 1996	4. UNIQUE ENTITY IDENTIFIER 045809316
2b. STREET 390 Interlocken Crescent, Suite 800			5. OWNERSHIP	
2c. CITY Broomfield			a. TYPE Corporation	
2d. STATE CO	2e. ZIP CODE 80021		b. SMALL BUSINESS STATUS No	
6a. POINT OF CONTACT NAME AND TITLE Jeff Berlin, PE, Associate Vice President			7. NAME OF FIRM (If Block 2a is a Branch Office) Carollo Engineers, Inc.	
6b. TELEPHONE NUMBER 303-635-1220		6c. E-MAIL ADDRESS jberlin@carollo.com		
8a. FORMER FIRM NAME(S) (If any) Carollo Engineers, PC			8b. YEAR ESTABLISHED 1998	8c. UNIQUE ENTITY IDENTIFIER 045809316

9. EMPLOYEES BY DISCIPLINE**10. PROFILE OF FIRM'S EXPERIENCE****AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS**

a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	95	2	A12	Automation; Controls; Instrumentation	7
06	Architects	5	0	C15	Construction Management	8
10	Chemical Engineers	7	0	C17	Corrosion Control; Cathodic Protection	2
12	Civil Engineers	226	9	E03	Electrical Studies and Design	7
	Computer Personnel	42	1	P04	Pipelines (Cross-country--Liquid & Gas)	9
	Construction Engineers	8	1	P06	Planning (Site, Installation and Project)	9
15	Construction Inspectors	36	3	S04	Sewage Collection, Treatment & Disposal	10
16	Construction Manager	23	2	W03	Water Supply; Treatment and Distribution	10
17	Corrosion Engineer	0	0			
18	Cost Engineer/Estimator	0	0			
	Draftsperson	100	6			
21	Electrical Engineers	39	0			
23	Environmental Engineers	268	15			
29	Geographic Information System	2	0			
	Instrumentation/Control	41	0			
	Marketing	42	2			
42	Mechanical Engineers	22	1			
52	Sanitary Engineers	0	0			
57	Structural Engineers	36	8			
	Word Processing	20	1			
	Other Employees	79	3			
Total		1,091	54			


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

a. Federal Work	6
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 7/24/18
c. NAME AND TITLE Jeff Berlin, PE, Associate Vice President	

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TAB 3 - CERTIFIED MINORITY BUSINESS ENTERPRISE

CERTIFIED MINORITY BUSINESS ENTERPRISE

Carollo is not a certified minority business enterprise.

Carollo embraces the State of Florida's efforts to grow and support minority-owned businesses. Carollo's named subcontractor, Gamboa Engineers, LLC, is a certified Minority Business in Florida.





TAB 4 - OTHER COMPLETED DOCUMENTS

OTHER COMPLETED DOCUMENTS



(OFFICE USE ONLY) Vendor number:

Please entirely complete this vendor information form along with the IRS Form W-9, and email to accounts payable@ppines.com

City of Pembroke Pines
Finance Department
601 City Center Way
Pembroke Pines, FL 33025

Vendor Information Form

Operating Name (Payee)	Carollo Engineers, Inc.		
Legal Name (as filed with IRS)	Carollo Engineers, Inc.		
Remit-to Address (For Payments)	4600 East Washington Street, Suite 500		
	Phoenix, AZ 85034		
Remit-to Contact Name:	Kristen Island	Title:	Client Invoicing Lead
Email Address:	Kisland@carollo.com		
Phone #:	602-474-4040	Fax #	
Order-from Address (For purchase orders)	3440 Hollywood Blvd., Suite 465		
	Hollywood, FL 33021		
Order-from Contact Name:	Chuck Sinclair	Title:	Senior Vice President
Email Address:	csinclair@carollo.com		
Phone #:	954-414-8645	Fax #	954-837-0035
Return-to Address (For product returns)	3440 Hollywood Blvd., Suite 465		
	Hollywood, FL 33021		
Return-to Contact Name	Chuck Sinclair	Title:	Senior Vice President
Email Address:	csinclair@carollo.com		
Phone #:	954-414-8645	Fax #	954-837-0035
Payment Terms:			

Type of Business (please check one and provide Federal Tax identification or social security Number)

☒ Corporation

Federal ID Number:

☐ Sole Proprietorship/Individual

Social Security No.:

☐ Partnership

☐ Health Care Service Provider

☐ LLC – C (C corporation) – S (S corporation) – P (partnership)

☐ Other (Specify):

Name & Title of Applicant Chuck Sinclair, Senior Vice President

Signature of Applicant  **Date** 7/24/2018

Form W-9 (Rev. November 2017) Department of the Treasury Internal Revenue Service	Request for Taxpayer Identification Number and Certification ► Go to www.irs.gov/FormW9 for instructions and the latest information.	Give Form to the requester. Do not send to the IRS.
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Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Carollo Engineers, Inc.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ► _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
	5 Address (number, street, and apt. or suite no.) See instructions. 2700 Ygnacio Valley Road, Suite 300	Requester's name and address (optional)
	6 City, state, and ZIP code Walnut Creek, CA 94598	
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later. Note: If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.	
Social security number <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> or Employer identification number <div style="border: 1px solid black; width: 150px; height: 20px; margin: 5px 0; display: flex; align-items: center;"> 8 6 - 0 8 9 9 2 2 2 </div>	

Part II Certification Under penalties of perjury, I certify that: 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and 3. I am a U.S. citizen or other U.S. person (defined below); and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct. Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.	
Sign Here	Signature of U.S. person ► Date ► 7/24/2018

General Instructions

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

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

Purpose of Form

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

- Form 1099-INT (interest earned or paid)

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

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

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



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the ,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature

Title

Name of Company



City of Pembroke Pines

Attachment D

**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted Carollo Engineers, Inc. (name of entity submitting sworn statement) whose business address is 3440 Hollywood Blvd, Suite 465 Hollywood, FL 33021 and (if applicable) its Federal Employer Identification Number (FEIN) is 86-0899222. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)

2. My name is Chuck Sinclair and my
(Please print name of individual signing)

relationship to the entity named above is Representative.

3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

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

5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

City of Pembroke Pines

Bid PSEN-18-02

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**
- ☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
- ☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**
- ☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Chuck Sinclair
Bidder's Name/Signature

Carollo Engineers, Inc.
Company

7/24/2018
Date

City of Pembroke Pines

Bid PSEN-18-02

CONTACT INFORMATION FORM

IN ACCORDANCE WITH "RFQ # PSEN-18-02" titled "Professional Service Providers (Architectural, Engineering, Surveying & Mapping)" attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:COMPANY: STREET ADDRESS: CITY, STATE & ZIP CODE: **PRIMARY CONTACT FOR THE PROJECT:**NAME: TITLE: E-MAIL: TELEPHONE: FAX: **CORPORATE OFFICER AUTHORIZED APPROVER:**NAME: TITLE: E-MAIL: TELEPHONE: FAX: SIGNATURE:

City of Pembroke Pines

Bid PSEN-18-02

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input type="checkbox"/>	General Civil and Environmental Engineering Services
<input checked="" type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input type="checkbox"/>	Land Surveying Services
<input type="checkbox"/>	General Architectural Services
<input type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input type="checkbox"/>	FDOT Roadway Engineering Services



City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A

contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ A. Contractor currently complies with the requirements of this section; or
- ☐ B. Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ C. Contractor will not comply with the conditions of this section at the time of contract award:
or
- ☐ D. Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
- ☐ 1. The Contractor does not provide benefits to employees' spouses in traditional marriages;
- ☐ 2. The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
- ☐ 3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
- ☐ 4. The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME:

AUTHORIZED OFFICER NAME / SIGNATURE: 



City of Pembroke Pines

Attachment H

VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

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

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

SECTION 2 AFFIRMATION

☒ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.

Authorized Signature

Chuck Sinclair

Authorized Signer Name

Carollo Engineers, Inc.

Company Name



City of Pembroke Pines

Attachment I

PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

Carollo Engineers, Inc.

3440 Hollywood Blvd., Suite 465

Hollywood, FL 33021

Contact Person's Name and Title: Chuck Sinclair, Senior Vice President

Contact Person's E-mail Address: csinclair@carollo.com

PROPOSER'S Telephone and Fax Number: P: 954-414-8645 F: 954-837-0035

PROPOSER'S License Number: 8571

(Please attach certificate of status, competency, and/or state registration.)

PROPOSER'S Federal Identification Number: 86-0899222

Number of years your organization has been in business 85

State the number of years your firm has been in business under your present business name 8

State the number of years your firm has been in business in the work specific to this solicitation:
85

Names and titles of all officers, partners or individuals doing business under trade name:

B. Narayanan - President, CEO

Michael Barnes - Secretary

Ash Wason - Treasurer

The business is a: Sole Proprietorship ☐ Partnership ☐ Corporation ☒

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)



City of Pembroke Pines

Attachment I

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

Carollo was established in Phoenix, Arizona, in 1933 as Headman, Ferguson and Carollo and was renamed John A. Carollo, Consulting Engineers in 1957. The partnership was reorganized in 1970 under the name of John Carollo Engineers, and was renamed Carollo Engineers in 1996.

The firm was incorporated in 1998 under the name of Carollo Engineers, P.C. The firm then converted from an Arizona professional corporation to a Delaware corporation under the name of Carollo Engineers, Inc. on May 13, 2010.

At what address was that business located?

Corporate Headquarters: 2700 Ygnacio Valley Road, Suite 300, Walnut Creek, CA 94598

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

Fidelity and Deposit Company of Maryland c/o Lockton Companies

8110 E. Union Avenue, Suite 700, Denver, CO 80237-2966

Agent: Anuj Jain - (303) 414-6000

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

We have never failed to complete work awarded to us.

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?



City of Pembroke Pines

Attachment I

Will you subcontract any part of this WORK? If so, give details including a list of each subcontractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

Carollo will subcontract with Gamboa Engineers, LLC on select projects for Electrical and I&C services for planning, design & construction management tasks. For projects where Gamboa is used, service is projected to be 10 to 15% of the total project contract value.

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

None

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

None

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

See attached (Confidential)



City of Pembroke Pines

Attachment I

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

None

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

None

Are you an ☒ Original provider ☐ sales representative ☐ distributor, ☐ broker, ☐ manufacturer ☐ other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No



City of Pembroke Pines

Attachment I

Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years:

Carollo has successfully delivered over 170 planning, design & construction management projects at water, wastewater & reclaimed water treatment facilities in Florida over the past 3 years. In addition, we currently hold over 40 general engineers service projects in Florida that are similar to the City of Pembroke Pines Professional & Service Provider contracts. Carollo's experience & qualification on water, wastewater & reuse water treatment facilities is further described in Tab 2, SF 330 Part 1, Sections F & H.

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

Carollo Engineers, Inc.

(Company Name)

Chuck Sinclair

(Printed Name/Signature)

Claims, Arbitrations, Administrative Hearings and Lawsuits

Project Name: Diamondhead Sewer and Water District, Miscellaneous Repairs and Improvements Project
Date of Claim: Filed July 28, 2009
Name of Claimant: Excalibur International, LLC and Kenneth Decker
Name of Entities Against Whom the Claim was Filed: Diamondhead Sewer and Water District; Carollo Engineers, P.C.
Brief Description of the Claim: Carollo and a client were both the subject of a civil lawsuit claiming project delays, filed by the construction contractor on a power facilities upgrade and maintenance and repair project where Carollo was serving as resident engineer.
Court: Circuit Court of Hancock County, Mississippi
Case Number: 09-0447
Status: Carollo was subsequently dismissed from the lawsuit with prejudice.

Project Name: Rancho California Water District, Ace Bowen Pump Station Improvements – Pump Driver Replacement, Fuel Cell Power Generation, and Miscellaneous Facility Improvements Project
Date of Claim: Filed November 2, 2012
Name of Claimant: Rancho California Water District
Name of Entities Against Whom the Claim was Filed: Carollo Engineers, Inc.
Brief Description of the Claim: Carollo was the subject of a lawsuit by a client related to the sizing of a natural gas-powered fuel cell power generation system.
Court: Superior Court of the State of California, County of Riverside
Case Number: RIC 1216286
Status: The matter was submitted to mediation and thereafter settled with no admission of fault by Carollo.

Project Name: Turlock Irrigation District, Fuel Cell Cogeneration Project
Date of Claim: Filed December 21, 2012
Name of Claimant: Turlock Irrigation District
Name of Entities Against Whom the Claim was Filed: Carollo Engineers, Inc.
Brief Description of the Claim: Carollo was the subject of a lawsuit by a client related to the level of gas production for a methane gas-fired cogenerator.
Court: Superior Court of California, County of Stanislaus
Case Number: 39-2012-00291370-CU-BC-STK
Status: The matter was submitted to mediation and thereafter settled with no admission of fault by Carollo.

Project Name: City of South San Francisco, Linden Avenue Stormwater Improvements Project
Date of Claim: Filed April 5, 2013
Name of Claimant: Pacific Bell Telephone Company
Name of Entities Against Whom the Claim was Filed: Precision Engineering, Inc.; Mitchell Engineering; Obayashi Corporation; Mitchell Engineering/Obayashi Corporation Joint Venture; Carollo Engineers, Inc.; City of South San Francisco
Brief Description of the Claim: Carollo was brought into a lawsuit between a client, the construction contractor, and an underground utility provider related to the contractor's damage of underground utilities during their construction operations.
Court: Superior Court of California, County of San Mateo

Case Number: CIV 506319

Status: The cross-complaint against Carollo was dismissed without prejudice.

Project Name: Ak-Chin Indian Community, Water and Wastewater Improvement Project

Date of Claim: July 2, 2013

Name of Claimant: Lexington Insurance Company, as subrogee of Ak-Chin Indian Community

Name of Entities Against Whom the Claim Was Filed: Carollo Engineers, P.C., General Electric Co., MGC Contractors, Inc., and Plateau Engineering, Inc. (Carollo was a subconsultant to Plateau)

Brief Description of the Claim: Carollo was brought into a lawsuit between a client, the prime consultant, the construction contractor, and an equipment supplier related to a sewage overflow at a wastewater treatment while the system control software was not in service and operations staff were not present.

Court: Superior Court of the State of Arizona, County of Pinal

Case Number: CV2 01301633

Status: The matter was submitted to mediation and thereafter settled with no admission of fault by Carollo.

Project Name: City of Stockton, Delta Water Supply Project Intake and Pump Station Facility Project

Date of Claim: Filed September 12, 2013

Name of Claimant: Preston Pipelines, Inc.

Name of Entities Against Whom the Claim Was Filed: City of Stockton and Carollo Engineers, Inc.

Brief Description of the Claim: Carollo and a client were both the subject of a civil lawsuit claiming project delays, filed by the construction contractor on a water supply intake and pump station project where Carollo was providing third party construction management services.

Court: Superior Court of California, County of Santa Clara

Case Number: 113CV252949

Status: The matter was submitted to mediation and thereafter settled with no admission of fault by Carollo.

Project Name: Emigration Improvement District - Various Projects.

Date of Claim: Filed June 24, 2015

Name of Claimant: Mark Christopher Tracy (Qui Tam)

Name of Entities Against Whom the Claim Was Filed: Emigration Improvement District, Carollo Engineers, Inc., Aqua Environmental Services, Inc., R. Steve Creamer, Fred A. Smolka, Michael Hughs, Mark Stevens, David Bradford, Lynn Hales, Eric Hawkes.

Brief Description of the Claim: Carollo and a client were both the subject of a lawsuit filed by a homeowner related to dwindling water supplies and questioned water rights.

Court: United States District Court of the District of Utah

Case Number: 2:14-cv-00701 CW

Status: Carollo was dismissed from the lawsuit, but the Plaintiff subsequently filed an appeal.

Project Name: City of Corcoran - Various Projects.

Date of Claim: Filed June 1, 2015

Name of Claimants: Patti Weber McBride, Jack Von Guten, Caesar A. Lopez, and Mauricio Gonzalez

Name of Entities Against Whom the Claim Was Filed: California Department of Corrections and Rehabilitation; Tonka Water Conditioning, LLC; Sloan Valve Company; Claude E. Campbell; Gary O. Hawkins; Steven G. Plesha; Bill Sessa; Chuck Mauldin; Dave Davey; Stu Sherman; and DOES 1 through 100.

Brief Description of the Claim: Carollo and CDCR (not our client) were both the subject of a lawsuit filed by the spouse of a deceased prison inmate and several prior and current inmates related to claims of a contaminated water supply. Carollo denies responsibility for any of the claims.

Court: Superior Court of the State of California for the County of Kings - Hanford Division

Case Number: 14 C0164

Status: Carollo was subsequently dismissed from the lawsuits.

Project Name: Albuquerque Bernalillo County Water Utility Authority (ABCWUA), San Juan Chama Water Treatment Plant Ozone System Improvements

Date of Claim: Filed October 30, 2015

Name of Claimant: Christopher M. Moore

Name of Entities Against Whom the Claim Was Filed: Albuquerque Bernalillo County Water Utility Authority; City of Albuquerque, Bernalillo County, Xylem Water Solutions USA, Inc.; Carollo Engineers, Inc.; Jake Zamora; Ross Pino; Ron Taylor; Teresa Gonzales; and David Price.

Brief Description of the Claim: Lawsuit filed by an employee of the ABCWUA who was injured while performing maintenance activities not related to Carollo's design improvements and/or Carollo services to the client.

Court: State of New Mexico, County of Bernalillo, Second Judicial District

Case Number: D-202-CV-2015-08319

Status: Carollo was subsequently dismissed from the lawsuit.

Project Name: City of Norman, Water Treatment Plant Expansion Project - Phase I.

Date of Claim: Filed November 18, 2015

Name of Claimant: Midwest Coatings, Inc.

Name of Entities Against Whom the Claim Was Filed: The Sherwin-Williams Company; and Carollo Engineers, Inc.

Brief Description of the Claim: Carollo and a paint manufacturer are the subject of a lawsuit filed by a coatings the subcontractor related to subcontractor's failure to properly prepare the painting substrate and the resultant failure of the coating. Carollo denies responsibility for any of the claims.

Court: District Court of Cleveland County, State of Oklahoma

Case Number: 5:15-cv-1363-D

Status: Lawsuit is in progress.

Project Name: City of San Angelo, Texas

Date of Claim: File November 30, 2016

Name of Claimant: Alsay, Inc.

Name of Entities Against Whom the Claim Was Filed: City of San Angelo, Texas and Carollo Engineers, Inc.

Brief Description of the Claim: Carollo and the City were both the subject of a civil lawsuit filed by the construction contractor on a water supply project related to the construction contractor's claim of changed subsurface conditions.

Court: District Court of Tom Green County, Texas

Case Number: B160468C

Status: Carollo was subsequently dismissed from the lawsuit.

CONFIDENTIAL



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATES

PROFESSIONAL REGISTRATION CERTIFICATES

State of Florida Department of State

I certify from the records of this office that CAROLLO ENGINEERS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on May 25, 2000.

The document number of this corporation is F00000003055.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on February 16, 2018, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-first day of February,
2018*



Ken Detjen
Secretary of State

Tracking Number: CU9695045139

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

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

State of Florida

Board of Professional Engineers

Attests that
Carollo Engineers, Inc.



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019

Audit No: 228201901827 R

CA Lic. No:

8571

State of Florida

Board of Professional Engineers

Attests that
Gamboa Engineers, LLC



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019

Audit No: 228201904828 R

CA Lic. No:

29829

Go to <https://www.myfloridalicense.com/wl11.asp?mode=0&SID=> and search for organization "Carollo" for updated information.

The screenshot shows the Florida Department of Business and Professional Regulation (DBPR) Online Services website. The browser address bar displays the URL: <https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=25C526D4221EC698E260A9A70A7DD61D>. The website header includes the DBPR logo and navigation links. The main content area displays the following information:

Licensee Details	
Licensee Information	
Name:	CAROLLO DESIGN-BUILD GROUP FLORIDA (Primary Name)
Main Address:	10822 W TOLLER DRIVE SUITE 200 LITTLETON Colorado 80127
County:	OUT OF STATE
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Certificate of Authorization
Rank:	Cert of Auth
License Number:	30324
Status:	Current
Licensure Date:	06/06/2013
Expires:	02/28/2019
Special Qualifications	
Qualification Effective	

Supplier: **Carollo Engineers, Inc.**



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **Representative**,

(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature **Chuck Sinclair**

Title **Senior Vice President**

Name of Company **Carollo Engineers, Inc.**

Supplier: **Carollo Engineers, Inc.**



City of Pembroke Pines

Attachment D

**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted **Carollo Engineers, Inc.** (name of entity submitting sworn statement) whose business address is **3440 Hollywood Blvd., Suite 465 Hollywood, FL 33021** and (if applicable) its Federal Employer Identification Number (FEIN) is **86-0899222**. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)
2. My name is **Chuck Sinclair** and my
(Please print name of individual signing)

relationship to the entity named above is **Representative**.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any

natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

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

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

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Chuck Sinclair
Bidder's Name/Signature

Carollo Engineers, Inc.
Company

7/24/2018
Date

Supplier: **Carollo Engineers, Inc.**

CONTACT INFORMATION FORM

IN ACCORDANCE WITH “RFQ # PSEN-18-02” titled “**Professional Service Providers (Architectural, Engineering, Surveying & Mapping)**” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: **Carollo Engineers, Inc.**

STREET ADDRESS: **3440 Hollywood Blvd., Suite 465**

CITY, STATE & ZIP CODE: **Hollywood, FL 33021**

PRIMARY CONTACT FOR THE PROJECT:

NAME: **Chuck Sinclair** TITLE: **Senior Vice President**

E-MAIL: **csinclair@carollo.com**

- TELEPHONE: **954-414-8645** FAX: **954-837-0035**

CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: **Chuck Sinclair** TITLE: **Senior Vice President**

E-MAIL: **csinclair@carollo.com**

- TELEPHONE: **954-414-8645** FAX: **954-837-0035**

SIGNATURE: **Chuck Sinclair**

Supplier: **Carollo Engineers, Inc.**

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input type="checkbox"/>	General Civil and Environmental Engineering Services
<input checked="" type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input type="checkbox"/>	Land Surveying Services
<input type="checkbox"/>	General Architectural Services
<input type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input type="checkbox"/>	FDOT Roadway Engineering Services

Supplier: **Carollo Engineers, Inc.**



City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are

located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award:
or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
- ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
- ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
- ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
- ☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: **Carollo Engineers, Inc.**

AUTHORIZED OFFICER NAME / SIGNATURE: **Chuck Sinclair**

Supplier: Carollo Engineers, Inc.



City of Pembroke Pines

Attachment L

**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135**

I, **Chuck Sinclair, Senior Vice President,** on behalf of **Carollo Engineers, Inc.,**
 Print Name and Title Company Name

certify that **Carollo Engineers, Inc.**
 Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Carollo Engineers, Inc.
 Company Name

Chuck Sinclair
 Print Name / Signature

Senior Vice President
 Title

3

4