

## Mandatory Questions

These questions are Pass/Fail. To be considered responsive, responsible and eligible for award, you must answer all questions in this section.

**DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.**

Question #	Questions per Proposal Factors/Categories	Response by Offeror. Only Yes or No Answers	Upload Attachments ?	Attachment Name
<b>Proposal Factors</b>				
1	List any criminal violations and/or convictions of the Proposer and/or any of its principals: (N/A is not an acceptable answer).	No	IF YES	
2	Completed and uploaded PSL Location Form	Yes	IF YES	File #4
3	Is firm a minority business?	No	No	
4	Is the firm incorporated? Yes--No If yes, in what state?	Yes, North Caroli	No	File #4
5	List any judgements from lawsuits in the last five (5) years: (N/A is not an acceptable answer).	Yes	IF YES	File #4
6	List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10%) interest: (N/A is not an acceptable answer).	Yes	IF YES	File #4
7	Has the Proposer or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?	No	No	
8	Submitted all licenses and certifications required to perform this project.	Yes	IF YES	File #4
9	Submitted a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain.	Yes	IF YES	File #4
10	Completed and uploaded E-Verify Form	Yes	IF YES	File #4
11	Completed and uploaded Drug Free Workplace Form	Yes	IF YES	File #4
12	Completed and uploaded Consultant Code of Ethics	Yes	IF YES	File #4
13	Completed and uploaded Non-Collusion Affidavit	Yes	IF YES	File #4
14	Completed and uploaded Cone of Silence Form	Yes	IF YES	File #4
15	Completed and uploaded Truth-In Negotiation Form	Yes	IF YES	File #4
16	Submit W-9	Yes	IF YES	File #4
17	Completed and uploaded Mandatory Scored Questions	Yes	IF YES	File #2
18	Completed and uploaded Contractor General Information Worksheet.	Yes	IF YES	File #4

**Attachment B - Mandatory Scored Questions**

**Mandatory Scored Questions**

**Offerors must answer all the questions in this spreadsheet in the cell provided.**

**Failure to answer these questions will result in disqualification of the proposal.**

**Offerors must indicate whether their proposal meets the individual requirement and provide a supporting narrative in the space provided. The narrative description, along with any required supporting materials, will be evaluated and awarded points in accordance with Section 6 "Proposal Evaluation, Negotiations and Award" of this eRFP. ONLY upload documents if there is a Yes in the "Upload Attachs with Additional Information?" column, to provide additional information about specific questions. Documents not requested in this column will not be evaluated.**

**DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.**

Question #	Questions per Proposal Factors/Categories	Response by Offeror	Upload Attachments?	Attachment Name
1	<b><u>Please provide all documentation needed for Location.</u></b> <b><u>Proposer's Location</u></b> - Location shall mean a business which meets the following criteria: # of Miles from City Hall to Assigned Staff's Office location 0-60 Miles 61-80 Miles 81-100 Miles 101-120 Miles 121-140 Miles 140+ Miles	0-60 miles	Yes	File #4
2	<b><u>Woman/Veteran/Minority Owned Business</u></b> - Does the Primary firm hold a Minority Business Certification by the Florida Department of Management Services, as described in section 8 of the document? If so, please attach.	No	No	File #4
3	<b><u>EXECUTIVE SUMMARY</u></b> - This section should include the Firm's overall concept of the working relationship that will be required to successfully complete this project. The proposer shall provide an executive summary narrative containing information that indicates an understanding of the overall need for and purpose of the services presented in the RFP.	Yes	IF YES	File #4
4	<b><u>GENERAL SCOPE OF SERVICES</u></b> - Provide a general description of the types of services your firm is capable of providing.	Yes	IF YES	File #4
5	<b><u>PROGRAM MANAGEMENT SERVICES</u></b> - Provide a description of the program management services your firm can provide.	Yes	IF YES	File #4
6	<b><u>PLANNING SUPPORT</u></b> - Describe the types of planning your firm can provide.	Yes	IF YES	File #4
7	<b><u>QUALIFICATIONS &amp; STAFF/PERSONNEL</u></b> - Please complete and attach Form 330 part I and II for evaluation of qualifications & staff/personnel.	Yes	IF YES	File #3
8	<b><u>DESIGN SUPPORT</u></b> - Provide a list of at least 5 but no more than 10 projects within the last 5 years that your firm has done and describe what types of projects and services your firm provided.	Yes	IF YES	File #3
9	<b><u>CONSTRUCTION ENGINEERING AND INSPECTION SERVICES</u></b> - Describe the CEI services your firm can provide.	Yes	IF YES	File #4
10	<b><u>GRANT &amp; LOAN FUNDING SUPPORT</u></b> - Provide examples of grants and loans your firm can provide.	Yes	IF YES	File #4
11	<b><u>MISCELLANEOUS</u></b> - Provide a description of additional services your firm can provide.	Yes	IF YES	File #4
12	<b><u>ABILITY TO MEET SCHEDULE AND BUDGET REQUIREMENTS</u></b> - Describe how you manage projects in order to meet schedule and budget requirements.	Yes	IF YES	File #4

# ARCHITECT – ENGINEER QUALIFICATIONS

## PART I – CONTRACT SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Continuing Engineering Services for Utility Projects, FL		
2. PUBLIC NOTICE DATE 7/16/2021	3. SOLICITATION OR PROJECT NUMBER eRFP# 20210093	

### B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE Lance Littrell, P.E.		
5. NAME OF FIRM Kimley-Horn and Associates, Inc.		
6. TELEPHONE NUMBER 407.412.7544	7. FAX NUMBER	8. E-MAIL ADDRESS lance.littrell@kimley-horn.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	SUBCONTRACTOR			
<b>a</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	445 24th Street, Suite 200 Vero Beach, FL 32960-5169	Deputy Project Manager, Program Management, Facility Assessments, Site Security & Access Controls, Grant Funding
<b>b</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	189 South Orange Avenue Suite 1000 Orlando, FL 32801	Program Management, Pilot Studies; Utility Systems Administration Planning and Studies, Design and Permitting and Water Treatment Facility and Pump Stations; Vacuum Sewer Systems
<b>c</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1412 Jackson Street Suite 2 Fort Myers, FL 33901	Design and Permitting and Water Treatment Facility and Pump Stations
<b>d</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	101 East Silver Springs Boulevard Suite 400 Ocala, FL 34470	Vacuum Sewer Systems
<b>e</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	12740 Gran Bay Parkway West Suite 2350 Jacksonville, FL 32258	CUP Permitting and Hydrogeology
<b>f</b>	<input checked="" type="checkbox"/>			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	800 Southwest 2nd Avenue Suite 100 Gainesville, FL 32601	Grant Funding

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

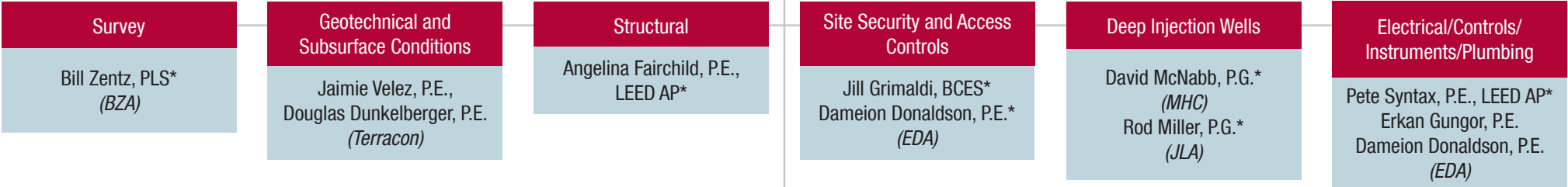
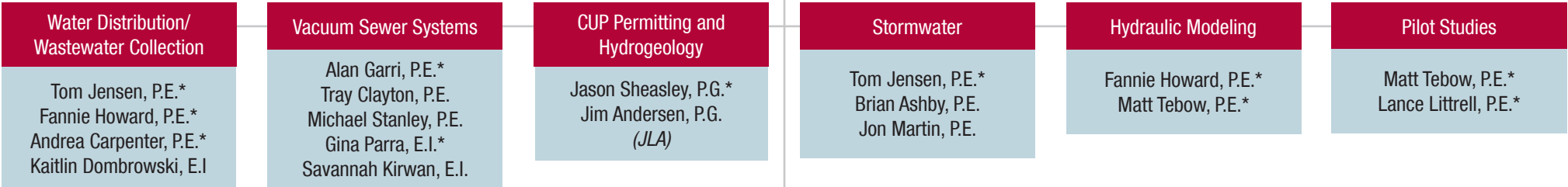
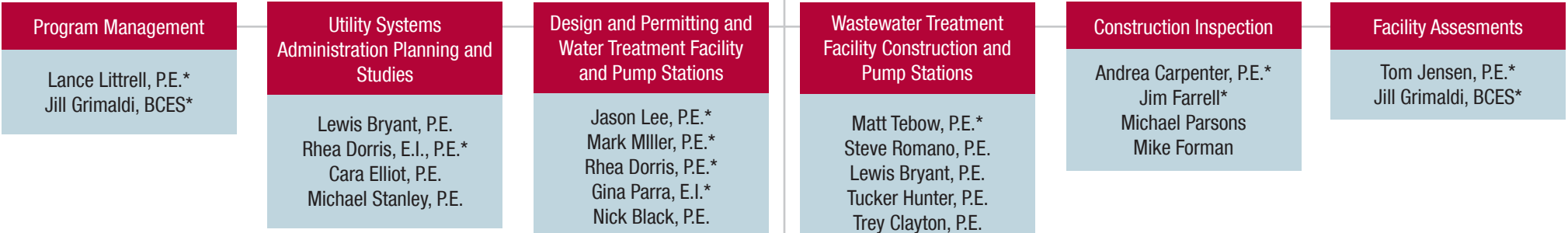
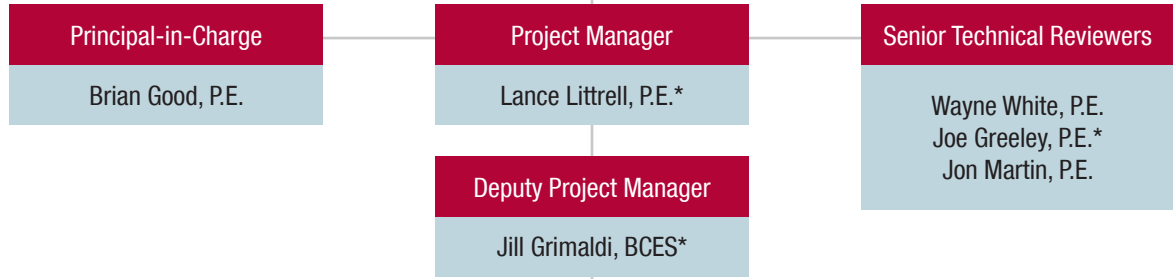
(Attached)

**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	SUBCONTRACTOR			
g	X			Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1920 Wekiva Way Suite 200 West Palm Beach, FL 33411	Technical Review; Design and Permitting and Water Treatment Facility and Pump Stations; Hydraulic Modeling, Pilot Studies; Construction Inspection, Water Distribution/Wastewater Collection; Facility Assessments; Structural
h				Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	7740 N. 16th Street Suite 300 Phoenix, AZ 85020	Electrical/Controls/Instruments /Plumbing
i				Kimley-Horn and Associates, Inc.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1777 Main Street Suite 200 Sarasota, FL 34236	GIS
j			X	Electrical Design Associates, Inc. (FL)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	8401 Lake Worth Road Suite 221 Lake Worth, FL 33467	Electrical
k			X	JLA Geosciences, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	1931 Commerce Lane Suite 3 Jupiter, FL 33458	Hydrogeologic evaluation
l			X	McNabb Hydrogeologic Consulting, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	601 Heritage Drive Suite 110 Jupiter, FL 33458	Hydrogeology, deep injection well design
m			X	Terracon Consultants, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	645 NW Enterprise Drive Suite 107 Port St. Lucie, FL 34986	Geotechnical engineering
n			X	William B. Zentz & Associates, Inc.  CHECK IF BRANCH OFFICE	684 Old Dixie Highway Vero Beach, FL 32962	Surveying

# City of Port St. Lucie

\* = Key Personnel  
SF 330Es are included for key personnel



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

*(Complete one Section E for each key person.)*

12. NAME <b>Lance Littrell, P.E.</b>	13. ROLE IN THIS CONTRACT Project Manager, Program Management, Pilot Studies	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Master of Business Administration / Bachelor of Science / Mechanical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer OH / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience includes the design, project management, construction oversight, and fabrication of reverse osmosis and ultrafiltration WTPs for municipal utilities   Region III Chair for FSAWWA, as well as on the Board of Directors of the Southeast Desalting Association (SEDA) (Board of Directors, 2011-2017)   Has worked closely with the leadership of FDEP's Drinking Water Program to develop guidance for FDEP's administration of chlorine dioxide to be used as a pioneering alternate disinfectant to chlorine or chloramines			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>a</b> Project manager. This project includes: pilot testing protocol and preparation of a membrane selection criteria technical memo; pilot unit installation and startup; pilot unit membrane testing; preparation of a membrane train modifications report; preparation of a report summarizing the findings and recommendations of the pilot testing program; preparation of membrane procure documents; preparation of membrane installation consultant procurement documents; and coordination and observation of the membrane installation and startup certification for each train; and preparation of a draft and final membrane train optimization report. Contract value: \$484,320		
<b>Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3 Port St. Lucie, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b> Project engineer. Kimley-Horn is designing the force main extension to connect the City's concentrate disposal pipeline to the Glades WWTF. This improvement is required to assist in the overall system hydraulics of the City's force main transmission system by transferring flows from an overloaded portion of the system to the Glades WWTF. The project included over 9,000 LF of 24-inch force main along the Glades cutoff roadway right-of-way and inside an easement dedicated to the City for the force main's installation. The force main is planned to be installed via open cut and horizontal directional drill through the I-95 corridor to mitigate any FDOT conflicts at the crossing. The scope of services includes design and regulatory permitting services through City, County, FDOT, and FDEP, respectively. Contract value: \$182,300		
<b>Utility Standards Updates, Port St. Lucie, FL</b>	June 2021	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b> Project engineer. Kimley-Horn assisted with updating and adding to the existing utility standards manual and standard details used by contractors and developers when constructing components of the City's lift stations and reclaimed water stations. Specifically, these components included grinder lift stations from 2 to 5 horsepower and solids handling lift stations from 10 to 47 horsepower. The project also included the development of standard design documents so applicants could obtain express permits (no turnaround time) using those exact designs without having to modify the design or wait for review for Building Department issuance. Contract value: \$62,942		
<b>Vero Beach Wastewater Treatment Facility (WWTF) Relocation Study and Preliminary Design Report (PDR), Vero Beach, FL</b>	December 2020	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b> Project engineer. Kimley-Horn performed a relocation study to determine the condition of the existing facility, identify facility rehabilitation options, and evaluate facility relocation options. The relocation evaluation included an analysis of advanced treatment options to proactively address future anticipated nutrient removal regulations. Membrane bioreactor (MBR) was selected as the preferred technology. KH also prepared a Preliminary Design Report to serve as the basis for permitting/funding opportunities and included a permitability review, sizing for the new facility, biosolids management options, stormwater design considerations, and a conceptual site plan. Contract value: \$51,000		
<b>Risk and Resiliency Assessment/Emergency Response Plan (RRA/ERP) Oviedo, FL</b>	June 2021 (RRA) Dec 2021 (ERP)	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b> Project engineer. Kimley-Horn facilitated a stakeholder workshop and the resiliency of the system was then evaluated to quantify vulnerabilities related to protection of personal information, computer systems, and the City's physical assets at the water treatment plant (WTP) (including wells and wellfields). KH conducted site visits, established an abbreviated list of critical assets, and ranked to prioritize the items the City should focus on to improve resiliency. The RRA report was finalized and KH prepared the ERP, including a stakeholder workshop with City staff/first responders who would be involved if threats were successfully executed against the utility. Contract value: \$107,100		

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

*(Complete one Section E for each key person.)*

12. NAME <b>Jill Grimaldi, BCES</b>	13. ROLE IN THIS CONTRACT Deputy Project Manager, Program Management, Facility Assessments, Site Security & Access Controls, Grant Funding	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Vero Beach, FL
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16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Environmental Science	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Board Certified Environmental Scientist (BCES)
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Experience includes water supply planning, population projections and demand estimations, water/wastewater permitting, groundwater well rehabilitation, wellfield management planning, lime and wastewater sludge processing, injection well mechanical integrity testing, compliance inspections, code/ordinance development and various solid waste projects | Past Vice Chair of the National Sustainability Committee for the American Academy of Environmental Engineers and Scientists

**19. RELEVANT PROJECTS**

a	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental scientist. This project includes: pilot testing protocol and preparation of a membrane selection criteria technical memo; pilot unit installation and startup; pilot unit membrane testing; preparation of a membrane train modifications report; preparation of a report summarizing the findings and recommendations of the pilot testing program; preparation of membrane procure documents; preparation of membrane installation consultant procurement documents; and coordination and observation of the membrane installation and startup certification for each train; and preparation of a draft and final membrane train optimization report. Contract value: \$484,320	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>

b	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3 Port St. Lucie, FL</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project coordinator. Kimley-Horn is designing the force main extension to connect the City's concentrate disposal pipeline to the Glades WWTF. This improvement is required to assist in the overall system hydraulics of the City's force main transmission system by transferring flows from an overloaded portion of the system to the Glades WWTF. The project included over 9,000 LF of 24-inch force main along the Glades cutoff roadway right-of-way and inside an easement dedicated to the City for the force main's installation. The force main is planned to be installed via open cut and horizontal directional drill through the I-95 corridor to mitigate any FDOT conflicts at the crossing. The scope of services includes design and regulatory permitting services through City, County, FDOT, and FDEP, respectively. Contract value: \$182,300	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>

c	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Utility Standards Updates, Port St. Lucie, FL</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Kimley-Horn assisted with updating and adding to the existing utility standards manual and standard details used by contractors and developers when constructing components of the City's lift stations and reclaimed water stations. Specifically, these components included grinder lift stations from 2 to 5 horsepower and solids handling lift stations from 10 to 47 horsepower. The project also included the development of standard design documents so applicants could obtain express permits (no turnaround time) using those exact designs without having to modify the design or wait for review for Building Department issuance. Contract value: \$62,942	PROFESSIONAL SERVICES June 2021	CONSTRUCTION <i>(if applicable)</i>

d	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Vero Beach Wastewater Treatment Facility (WWTF) Relocation Study and Preliminary Design Report (PDR), Vero Beach, FL</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project scientist. Kimley-Horn performed a relocation study to determine the condition of the existing facility, identify facility rehabilitation options, and evaluate facility relocation options. The relocation evaluation included an analysis of advanced treatment options to proactively address future anticipated nutrient removal regulations. Membrane bioreactor (MBR) was selected as the preferred technology. KH also prepared a Preliminary Design Report to serve as the basis for permitting/funding opportunities and included a permitability review, sizing for the new facility, biosolids management options, stormwater design considerations, and a conceptual site plan. Contract value: \$51,000	PROFESSIONAL SERVICES December 2020	CONSTRUCTION <i>(if applicable)</i>

e	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Risk and Resiliency Assessment/Emergency Response Plan (RRA/ERP) Oviedo, FL</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Kimley-Horn facilitated a stakeholder workshop and the resiliency of the system was then evaluated to quantify vulnerabilities related to protection of personal information, computer systems, and the City's physical assets at the water treatment plant (WTP) (including wells and wellfields). KH conducted site visits, established an abbreviated list of critical assets, and ranked to prioritize the items the City should focus on to improve resiliency. The RRA report was finalized and KH prepared the ERP, including a stakeholder workshop with City staff/first responders who would be involved if threats were successfully executed against the utility. Contract value: \$107,100	PROFESSIONAL SERVICES June 2021 (RRA) Dec 2021 (ERP)	CONSTRUCTION <i>(if applicable)</i>

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

*(Complete one Section E for each key person.)*

12. NAME <b>Joe Greeley, P.E.</b>	13. ROLE IN THIS CONTRACT Senior Technical Reviewer	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM <1

15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL
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16. EDUCATION <i>(Degree and Specialization)</i> Masters Certificate / Environmental & Ecological Engineering Bachelor of Engineering / Civil and Environmental Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL/ Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Experience includes the design, operation, construction, and troubleshooting of environmental facilities | Diverse background including: wastewater and water process design; operation and troubleshooting of WTPs/WWTPs using activated sludge, sequencing batch reactors, rotating biological contacts, and denitrification filter technologies; industrial pretreatment program development and implementation; industrial wastewater treatment design; and hazardous waste treatment and storage facility projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>Glendale WRF Process Modeling and Evaluation, Lakeland, FL</b>	Ongoing	
a (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn is in the process of conducting a wastewater reclamation facility (WRF) process evaluation for the Glendale WRF, a 13.7 MGD AADF facility. Project consisted of gathering information, performing necessary analysis, and documenting the project results including recommendations. A biological process and hydraulic model were developed to investigate the likely impact of different operational strategies and/or changes to the process configuration. The goal of the analysis was the evaluate process modifications that will result in potential increased biological nutrient reduction, reduced chemical usage, and increase energy efficiency at the WRF. Contract value: \$14,825	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Northside WRF Sludge Holding Tank Aeration Study, Lakeland, FL</b>	2021	
b (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn conducted an Aerated Sludge Holding Aeration System Study at the Northside WRF. The study included evaluating the replacement of the existing blowers, oxygen transfer system, and associated controls. Project consisted of gathering and analyzing existing information, performing mixing and aeration requirements to provide appropriate dissolved oxygen to achieve the optimal amount of volatile solids reduction and provide enough air flow required to fully mix the tanks. Multiple blower technologies were evaluated including Positive Displacement (Rotary Lobe, Screw Compressor, Hybrid) and Centrifugal Blowers (Multi-stage, Single Stage, High Speed (Turbo)). Economic evaluation was performed including capitol cost and net present work analysis comparison to aid in the recommendations. Contract value: \$13,975	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Bee Ridge WRF Expansion from 9 MRD to 12 MGD, Sarasota County, FL</b>	2021	
c (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design manager overseeing the process design, design of the aeration system, full hydraulic analysis of the facility from headworks to final effluent discharge. This project involved the design of a sixth aeration basin to accommodate and expansion of treatment capacity. The design project included the development of a Basis of Design Report, design plans and specifications, construction observation, and final certification of the completed project	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Satellite 5 MGD BNR Treatment System Concept Design, Collier County, FL</b>	2015	
d (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design manager. The project Involved the evaluation of an existing abandoned WRF site to accommodate a satellite membrane treatment facility to treat up to 5 MGD of wastewater from the adjacent area pumped by a master wastewater pumping station to a Collier County central WWTF. The evaluation involved the development of a process site layout, securing membrane manufacturer quotes, and engineering costs estimates for capital and operating requirements.	<input type="checkbox"/> Check if project performed with current firm	
<b>Rehabilitation of Lift Station Nos. 2, 8,9,17, Sarasota, FL</b>	2009	2012
e (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Contract manager and lead design engineer for the design of rehabilitation of four master lift stations. The lift stations varied in size from 700 GPM to 1,600 GPM and included demolition, site work, structures, electrical, HVAC, odor control, submersible pumps, back-up diesel pumps, and controls. Responsibilities included lift station design and layout, equipment selection, hydraulic analysis, permitting, preparation of public presentation materials, development of contract documents, and the development review committee required documents	<input type="checkbox"/> Check if project performed with current firm	



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

*(Complete one Section E for each key person.)*

12. NAME <b>Rhea Dorris, P.E.</b>	13. ROLE IN THIS CONTRACT Utility Systems Administration Planning and Studies, Design and Permitting and Water Treatment Facility and Pump Stations	14. YEARS EXPERIENCE	
		a. TOTAL 7	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor / Environmental Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Engineering Intern FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Utility analyst involved with water/wastewater hydraulic modeling, master planning, GIS analysis, pressure pipeline design, gravity sewer design, lift station design, and treatment process piloting/design, treatment analyses, pilot programs, and facility designs for municipalities (including Port St. Lucie)   At the 2018 WEFTEC Conference, accepted into the Water Leadership Institute (one of only 54 applicants selected)			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>a</b> Project engineer. This project includes: pilot testing protocol and preparation of a membrane selection criteria technical memo; pilot unit installation and startup; pilot unit membrane testing; preparation of a membrane train modifications report; preparation of a report summarizing the findings and recommendations of the pilot testing program; preparation of membrane procure documents; preparation of membrane installation consultant procurement documents; and coordination and observation of the membrane installation and startup certification for each train; and preparation of a draft and final membrane train optimization report. Contract value: \$484,320	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3 Port St. Lucie, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>b</b> Project engineer. Kimley-Horn is designing the force main extension to connect the City's concentrate disposal pipeline to the Glades WWTF. This improvement is required to assist in the overall system hydraulics of the City's force main transmission system by transferring flows from an overloaded portion of the system to the Glades WWTF. The project included over 9,000 LF of 24-inch force main along the Glades cutoff roadway right-of-way and inside an easement dedicated to the City for the force main's installation. The force main is planned to be installed via open cut and horizontal directional drill through the I-95 corridor to mitigate any FDOT conflicts at the crossing. The scope of services includes design and regulatory permitting services through City, County, FDOT, and FDEP, respectively. Contract value: \$182,300	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Water Facilities Plan, Davenport, FL</b>	PROFESSIONAL SERVICES January 2020	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>c</b> Project analyst. The Drinking Water Facilities Plan identified the road map for successful utility expansion for the Town based on present day, 5-year, 10-year, 20-year water demand. Kimley-Horn provided data collection, model update, potable water system hydraulic modeling, and a Drinking Water Master Plan. KH prepared a capacity evaluation of each WTP along with a combined system capacity evaluation. The Drinking Water Master Plan included: an existing and future service area description; population/demand projections; water system analysis and methodology; recommended water system improvements; water system planning alternative and phasing; and water main replacement project features. Contract value: \$213,230	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Lake Groves Water Treatment Plant (WTP) DBP Improvements Utilities Inc. of Florida</b>	PROFESSIONAL SERVICES November 2018	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>d</b> Project analyst. Lake Groves WTP had been exceeding the Stage 2 DBP Rule's TTHM compliance levels and contracted Kimley-Horn to evaluate the system to determine the most cost-effective option for treatment. Kimley-Horn evaluated chlorine dioxide as a potential alternative for the Utility's Stage 2 DBP compliance. The system was pilot tested to use chlorine dioxide as a pre-oxidant prior to disinfection with sodium hypochlorite and was constructed at full-scale after positive piloting results. The full-scale installation saved the Utility over \$3,000,000 compared to membrane treatment! It has been in operation for several years and has successfully reduced TTHM concentrations below the compliance limit. Contract value: \$501,332	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Wedgfield Water Treatment Plant (WTP) DBP Improvements for Pluris Utilities</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>e</b> Project analyst. Kimley-Horn was contracted to evaluate WTP and develop treatment options to bring the facility into compliance including membranes, GAC, anion exchange and chlorine dioxide. Kimley-Horn worked with the Owner to pilot test chlorine dioxide to reduce the TTHM formation from a laboratory study, pilot testing, and full-scale implementation. Kimley-Horn worked with the Owner and the FDEP to initiate one of the first full scale tests of chlorine dioxide as a primary disinfectant in the State of Florida, obtained the first disinfection permit, and transitioned it to full-scale operation guidance documents for the FDEP's regulation of chlorine dioxide disinfection in potable water systems. Contract value: \$53,981	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Jason Lee, P.E.</b>	13. ROLE IN THIS CONTRACT Design and Permitting and Water Treatment Facility and Pump Stations	14. YEARS EXPERIENCE	
		a. TOTAL <b>18</b>	b. WITH CURRENT FIRM <b>18</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Mechanical Engineering Associate of Arts /		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Serves as project manager for the design and construction of numerous utility projects throughout southeast Florida   Specializes in projects featuring water mains, force mains, sanitary pump stations, stormwater pump stations, and potable water high service pumping stations			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Indian River County Water Distribution System Modeling and Master Planning Study, Vero Beach, FL</b>	PROFESSIONAL SERVICES January 2015	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>a</b> Project engineer. The Kimley-Horn team updated the County's water system hydraulic model to reflect current GIS data and better represent their current water distribution system configuration. The existing 25-MGD capacity water system model was in an older version of WaterCAD format and was outdated and did not reflect current system configuration. To integrate the GIS data into a water system hydraulic model, GIS shapefiles were imported into WaterGEMS to provide a basis for water system hydraulic modeling and planning. With KH's extensive water modeling experience, our team has provided an updated water system model using two water supply sources, along with three remote elevated storage tanks. Contract value: \$24,700	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>10-Year Water Treatment Master Plan, Delray Beach, FL</b>	PROFESSIONAL SERVICES June 2016	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>b</b> Project engineer. Kimley-Horn was engaged by the City of Delray Beach to develop a 10-year water treatment master plan. We developed a 20-year linear population projection model using assembled data to meet the needs of the plan update and identify projects for the City and its service area during this growth period. Kimley-Horn prepared the water treatment master plan to recommend facilities, treatment process, treatment capacities, facility locations, planning level budget estimates, and construction timing. Contract value: \$54,041	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Reverse Osmosis (RO) Bank II Membrane Replacement, Jupiter, FL</b>	PROFESSIONAL SERVICES December 2016	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>c</b> Project manager. Kimley-Horn prepared specifications to receive competitive bids for replacement membranes, membrane supply, and installation separate contracts for Bank II RO trains and assisted the Town through the process of bidding and subsequent rebidding of the contracts. These evaluations included projected short- and long-term membrane performance, as well as life cycle costs. This project included refurbishing RO Bank I vessel end clamps, cleaning Bank I membranes in place, replacing all grooved couplings in the RO plant, and close inspection followed by replacement of internal vessel components in Bank II. Contract value: \$72,945	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>E-1, E-2, E-4, and G-1 Lift Station Improvements, Palm Beach, FL</b>	PROFESSIONAL SERVICES March 2017	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>d</b> Project manager. Kimley-Horn provided design services for the improvements at each of the lift stations to increase operational reliability. Improvements at each lift station include replacement of the pumps, piping, valves, and fittings within the lift station: replacement of the top slab and hatches of the wetwell and valve vault; new coatings for the interior of the wetwell and valve vault; and new control panel, conduits and wiring. The E-4 and G-1 lift station also includes replacement of the wetwell and valve vault. Kimley-Horn completed design, permitting and bid phase services for the project. The project is currently in shop drawing submittal and equipment procurement phase of construction. Contract value: \$205,305	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Martin County Utilities 5.5-MGD Jensen Beach Brackish Water Reverse Osmosis (RO) Water Treatment Plant (WTP), Martin County, FL</b>	PROFESSIONAL SERVICES November 2015	CONSTRUCTION <i>(if applicable)</i> December 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>e</b> Project engineer. JLA Geosciences, Inc., along with Kimley-Horn, developed Martin County's first Florida wellfield for their North Jensen Beach WTP. Project services included master planning, raw water main corridor study and design, water supply permitting, wellfield siting and development, and oversight of the construction of four deep Floridan wells. Through improved well design and innovative drilling procedures, additional well capacity was achieved from wells 3 and 4, reducing the cost of additional wells significantly. Contract value: \$215,000 (design); \$1,336,351 (construction)	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Mark Miller, P.E.</b>	13. ROLE IN THIS CONTRACT Design and Permitting and Water Treatment Facility and Pump Stations	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 33
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Master of Engineering / Civil Engineering Bachelor of Science / Ocean Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Responsible for the design, construction management, and start-up coordination for numerous membrane water treatment plants   Strong process design experience for all types of water treatment facilities   Responsible for the design and construction phase services of several specialty water systems, including ion exchange treatment, filter systems, membrane pilot studies, SCADA system integration, and operational testing of numerous municipal treatment systems			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a	<b>Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL</b>	November 2007	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. The project included design, permitting, and construction phase services for the County's master in-line pump station and 8 miles of 24-inch force main transmission piping. The in-line pump station was designed to divert wastewater capacity from the South Regional Wastewater Treatment Facility (WWTF) to the City's West Regional WWTF. As part of the project, the hydraulic model of IRC's force main system was updated and analyzed to determine the required capacity to pump to either treatment facility for both current and future conditions. This project involved the development of a sewer rehabilitation and replacement facilities plan required as part of the application process for an SRF loan. Contract value: \$1,504,000	<input checked="" type="checkbox"/> Check if project performed with current firm	
b	<b>Capital Improvement Projects Update/Water System Hydraulic Analysis Martin County, FL</b>	November 2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-charge. Kimley-Horn is developing, calibrating, and analyzing the hydraulic model used to evaluate and plan capital improvement projects for Martin County Utilities Water Distribution System. For this ongoing project, GIS and WaterGEMS (a GIS version of WaterCAD) were used to model the entire Martin County Utilities water distribution system including the water treatment facilities, repump facilities, and distribution infrastructure. Population projections and future land uses were incorporated into the model to determine what capital improvement projects are necessary to meet future demands. Contract value: \$65,398	<input checked="" type="checkbox"/> Check if project performed with current firm	
c	<b>Indian River County Water Distribution System Modeling and Master Planning Study, Vero Beach, FL</b>	January 2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-charge. The Kimley-Horn team updated the County's water system hydraulic model to reflect current GIS data and better represent their current water distribution system configuration. The existing 25-MGD capacity water system model was in an older version of WaterCAD format and was outdated and did not reflect current system configuration. To integrate the GIS data into a water system hydraulic model, GIS shapefiles were imported into WaterGEMS to provide a basis for water system hydraulic modeling and planning. With KH's extensive water modeling experience, our team has provided an updated water system model using two water supply sources, along with three remote elevated storage tanks. Contract value: \$24,700	<input checked="" type="checkbox"/> Check if project performed with current firm	
d	<b>Vero Beach Water and Sewer Department Potable Ground Storage Tank, Vero Beach, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-charge. Kimley-Horn served as the design lead for the addition of a new 2-million-gallon (MG) ground storage tank for the potable water system. The tank was proposed to replace an existing 1.0-MG tank that was beginning to have structural issues and to add an additional 1.0 MG of total storage. The project involved coordinating the piping of the new tank with two existing tanks so that all three tanks are able to serve the co-located membrane and lime softening water treatment plants. The scope of the project includes coordination with potential tank manufacturers, electrical and instrumentation integration, and construction sequencing. Construction is anticipated to commence in the fourth quarter of 2021. Contract value: \$92,190	<input checked="" type="checkbox"/> Check if project performed with current firm	
e	<b>10-Year Water Treatment Master Plan, Delray Beach, FL</b>	June 2016	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn was engaged by the City of Delray Beach to develop a 10-year water treatment master plan. We developed a 20-year linear population projection model using assembled data to meet the needs of the plan update and identify projects for the City and its service area during this growth period. Kimley-Horn prepared the water treatment master plan to recommend facilities, treatment process, treatment capacities, facility locations, planning level budget estimates, and construction timing. Contract value: \$54,041	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Gina Parra, E.I.</b>	13. ROLE IN THIS CONTRACT Design and Permitting and Water Treatment Facility and Pump Stations, Vacuum Sewer Systems	14. YEARS EXPERIENCE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">a. TOTAL <b>4</b></td> <td style="width:50%;">b. WITH CURRENT FIRM <b>4</b></td> </tr> </table>		a. TOTAL <b>4</b>	b. WITH CURRENT FIRM <b>4</b>
a. TOTAL <b>4</b>	b. WITH CURRENT FIRM <b>4</b>				
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Orlando, FL					
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Mechanical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Engineering Intern			
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience includes water and water distribution systems, water quality improvements, force main replacements, design of lift station rehabilitation projects, stormwater management, and wastewater plant design   Her work on disinfection through implementation of chlorine dioxide has already been published in publications such as the Florida Water Resources					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a</b>	<b>Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. This project includes: pilot testing protocol and preparation of a membrane selection criteria technical memo; pilot unit installation and startup; pilot unit membrane testing; preparation of a membrane train modifications report; preparation of a report summarizing the findings and recommendations of the pilot testing program; preparation of membrane procure documents; preparation of membrane installation consultant procurement documents; and coordination and observation of the membrane installation and startup certification for each train; and preparation of a draft and final membrane train optimization report. Contract value: \$484,320	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b>	<b>Risk and Resiliency Assessment/Emergency Response Plan (RRA/ERP) Oviedo, FL</b>	PROFESSIONAL SERVICES June 2021 (RRA) December 2021 (ERP)	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. Kimley-Horn facilitated a stakeholder workshop and the resiliency of the system was then evaluated to quantify vulnerabilities related to protection of personal information, computer systems, and the City's physical assets at the water treatment plant (WTP) (including wells and wellfields). KH conducted site visits, established an abbreviated list of critical assets, and ranked to prioritize the items the City should focus on to improve resiliency. The RRA report was finalized and KH prepared the ERP, including a stakeholder workshop with City staff/first responders who would be involved if threats were successfully executed against the utility. Contract value: \$107,100	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b>	<b>Water Facilities Plan, Davenport, FL</b>	PROFESSIONAL SERVICES January 2020	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. The Drinking Water Facilities Plan identified the road map for successful utility expansion for the Town based on present day, 5-year, 10-year, 20-year water demand. Kimley-Horn provided data collection, model update, potable water system hydraulic modeling, and a Drinking Water Master Plan. KH prepared a capacity evaluation of each WTP along with a combined system capacity evaluation. The Drinking Water Master Plan included: an existing and future service area description; population/demand projections; water system analysis and methodology; recommended water system improvements; water system planning alternative and phasing; and water main replacement project features. Contract value: \$213,230	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b>	<b>Lake Groves Water Treatment Plant (WTP) DBP Improvements Utilities Inc. of Florida</b>	PROFESSIONAL SERVICES November 2018	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. Lake Groves WTP had been exceeding the Stage 2 DBP Rule's TTHM compliance levels and contracted Kimley-Horn to evaluate the system to determine the most cost-effective option for treatment. Kimley-Horn evaluated chlorine dioxide as a potential alternative for the Utility's Stage 2 DBP compliance. The system was pilot tested to use chlorine dioxide as a pre-oxidant prior to disinfection with sodium hypochlorite and was constructed at full-scale after positive piloting results. The full-scale installation saved the Utility over \$3,000,000 compared to membrane treatment! It has been in operation for several years and has successfully reduced TTHM concentrations below the compliance limit. Contract value: \$501,332	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b>	<b>Wedgfield Water Treatment Plant (WTP) DBP Improvements for Pluris Utilities</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. Kimley-Horn was contracted to evaluate WTP and develop treatment options to bring the facility into compliance including membranes, GAC, anion exchange and chlorine dioxide. Kimley-Horn worked with the Owner to pilot test chlorine dioxide to reduce the TTHM formation from a laboratory study, pilot testing, and full-scale implementation. Kimley-Horn worked with the Owner and the FDEP to initiate one of the first full scale tests of chlorine dioxide as a primary disinfectant in the State of Florida, obtained the first disinfection permit, and transitioned it to full-scale operation guidance documents for the FDEP's regulation of chlorine dioxide disinfection in potable water systems. Contract value: \$53,981	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Matt Tebow, P.E.</b>	13. ROLE IN THIS CONTRACT Wastewater Treatment Facility Construction and Pump Stations, Hydraulic Modeling, Pilot Studies	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Master of Science / Civil Engineering Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Engineering Intern FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>Bee Ridge Water Reclamation Facility (WRF) Septage Receiving Improvements, Sarasota County, FL</b>	June 2016	January 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>a</b> Process engineer. This project included the replacement of the existing septage receiving units with new equipment and adding a chopper pump inline prior to the screens. Kimley-Horn provided the structural design for new steel walkways around the unit to assist with maintenance and operation of the system. Additionally, the entire design was performed using REVIT three-dimensional modeling software to enable operations staff to better visualize equipment placement, valve locations, unanticipated obstructions, and operator ergonomics for a better overall project design. Contract value: \$82,055; construction: \$777,840		
<b>Vero Beach Wastewater Treatment Facility (WWTF) Relocation Study and Preliminary Design Report (PDR), Vero Beach, FL</b>	December 2020	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b> Project manager. Kimley-Horn performed a relocation study to determine the condition of the existing facility, identify facility rehabilitation options, and evaluate facility relocation options. The relocation evaluation included an analysis of advanced treatment options to proactively address future anticipated nutrient removal regulations. Membrane bioreactor (MBR) was selected as the preferred technology. KH also prepared a Preliminary Design Report to serve as the basis for permitting/funding opportunities and included a permitability review, sizing for the new facility, biosolids management options, stormwater design considerations, and a conceptual site plan. Contract value: \$51,000		
<b>Vero Beach Water and Sewer Department Potable Ground Storage Tank, Vero Beach, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b> Project engineer. Kimley-Horn served as the design lead for the addition of a new 2-million-gallon (MG) ground storage tank for the potable water system. The tank was proposed to replace an existing 1.0-MG tank that was beginning to have structural issues and to add an additional 1.0 MG of total storage. The project involved coordinating the piping of the new tank with two existing tanks so that all three tanks are able to serve the co-located membrane and lime softening water treatment plants. The scope of the project includes coordination with potential tank manufacturers, electrical and instrumentation integration, and construction sequencing. Construction is anticipated to commence in the fourth quarter of 2021. Contract value: \$92,190		
<b>Glendale WRF Process Modeling and Evaluation, Lakeland, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b> Project manager. Kimley-Horn is in the process of conducting a wastewater reclamation facility (WRF) process evaluation for the Glendale WRF, a 13.7 MGD AADF facility. Project consisted of gathering information, performing necessary analysis, and documenting the project results including recommendations. A biological process and hydraulic model were developed to investigate the likely impact of different operational strategies and/or changes to the process configuration. The goal of the analysis was the evaluate process modifications that will result in potential increased biological nutrient reduction, reduced chemical usage, and increase energy efficiency at the WRF. Contract value: \$14,825		
<b>Northside WRF Sludge Holding Tank Aeration Study, Lakeland, FL</b>	2021	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b> Project manager. Kimley-Horn conducted an Aerated Sludge Holding Aeration System Study at the Northside WRF. The study included evaluating the replacement of the existing blowers, oxygen transfer system, and associated controls. Project consisted of gathering and analyzing existing information, performing mixing and aeration requirements to provide appropriate dissolved oxygen to achieve the optimal amount of volatile solids reduction and provide enough air flow required to fully mix the tanks. Multiple blower technologies were evaluated including Positive Displacement (Rotary Lobe, Screw Compressor, Hybrid) and Centrifugal Blowers (Multi-stage, Single Stage, High Speed (Turbo)). Economic evaluation was performed including capitol cost and net present work analysis comparison to aid in the recommendations. Contract value: \$13,975		

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

*(Complete one Section E for each key person.)*

12. NAME <b>Andrea Carpenter, P.E.</b>	13. ROLE IN THIS CONTRACT Construction Inspector, Water Distribution/Wastewater Collection	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering Master of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Engineering Intern FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience with water treatment processes (i.e. conventional treatment, ion exchange, and reverse osmosis), plants, surficial aquifers, and Floridan aquifer wells; deep injection well design; treatment process assessment and design; construction oversight; and water resources related to flow analysis for culverts, spillways, weirs, pump stations, and water control structures   Trained by the South Florida Water Management District in flow analysis for culvert, spillway, and weir structures			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a	<b>Water Treatment Plant #2 Treatment and Disposal Improvements, Palm Beach County, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn was retained by Palm Beach County Water Utilities Department for design, permitting and bidding services related to Water Treatment Plant #2. The goal is to upgrade the plant facility in several areas within the treatment process and about the treatment facility to sustain treatment quality and quantity through the next decade. These improvements will help address deficiencies identified in a recent study by Kimley-Horn for the hydraulic process as well as recommended upgrades. The plant's two lime softening unit have reached the end of their useful life and need upgrades and repair to continue services. This project will provide a new lime softening unit, demolition of the one of the existing lime softening units, a new deep injection well, operational upgrades, a new 5 MG storage tank for increased storage capacity, new raw water supply well. Contract value: \$1,294,536	<input checked="" type="checkbox"/> Check if project performed with current firm	
b	<b>Level 2 Assessment Chemical Feed/Flushing, Delray Beach, FL</b>	February 2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Health department standards requires routine testing of every Public Water Supply (PWS) at various sample points through the distribution system for the presence of coliform. If greater than 5% of these samples on a biweekly basis fail, the PWS (Delray Beach) has to submit a Level 1 Assessment to the Health Department to determine the cause of the coliform. This is also when a PWS would issue a boil water notice to its citizens. If the PWS fails twice in 12 months, a more extensive review of the distribution system has to be conducted by a third party (which was Kimley-Horn). KH performed full evaluation to determine the root cause of the coliform that was present in their sampling. Contract value: \$175,530	<input checked="" type="checkbox"/> Check if project performed with current firm	
c	<b>Stuart Water Treatment Plant Emerging Contaminants (PFAS's) Treatment and Implementation, Stuart, FL</b>	January 2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn provided professional engineering services related to the implementation of a water treatment system for the removal of emerging contaminants, including perfluorinated chemicals (PFAS's), PFOA (Perfluorooctanoic Acid), and PFOS (Perfluorooctane Sulfonate) sampled and measured in the raw water supply for the City's drinking water wells. This 4.0/8.0-MGD AIX/GAC system was designed to treat all of the City's raw water supply. This project is the largest ion exchange system in the U.S., removing PFAS's to 10 parts per trillion. Contract value: \$159,500	<input checked="" type="checkbox"/> Check if project performed with current firm	
d	<b>Water Treatment Plant (WTP) No. 8 Rehabilitation and Replacement Evaluation, Palm Beach County Water Utilities Department Palm Beach County, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Deputy project manager. Kimley-Horn was retained to conduct a condition assessment and rehabilitation and replacement evaluation of WTP #8 to identify the improvements needed to maintain water production for the next 10 years. The project included: evaluating replacement and standardization of the existing carbon dioxide feed system; anion exchange vessel and resin replacement evaluation; finish water distribution flow meters and plant service water supply evaluation; wash water recovery basin and decant system evaluation; polymer and sodium hexametaphosphate additional evaluation; high-service pump replacement and pipe chase access and upgrade evaluation; lime softening flume evaluation; and electrical improvements evaluation. Contract value: \$194,345	<input checked="" type="checkbox"/> Check if project performed with current firm	
e	<b>Phase 1 Reverse Osmosis (RO) Plant Design, Stuart, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn is providing the design, permitting, bidding, and construction phase services for new Floridan Aquifer Supply (FAS) well and 1.5-MGD reverse osmosis plant to supplement the City's existing 6.0-MGD lime softening facilities. This project will not increase the overall capacity of the water system but will provide the ability to utilize and treat an alternative water supply to be blended with lime softened, filtered surficial aquifer water. The reverse osmosis plant will consist of process building, post-treatment clearwell, degasification and odor control facilities, chemical feed systems, and an emergency generator. The project is currently in the design phase and is estimated to be bid and under construction in 2021 with a conceptual cost estimate of \$14,000,000. Contract value: \$1,159,240	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>James Farrell</b>	13. ROLE IN THIS CONTRACT Construction Inspection	14. YEARS EXPERIENCE	
		a. TOTAL 29	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Field representative on various water/wastewater plant improvement projects, pipeline installations, and neighborhood improvement projects   Field representative for projects involving scrubber system upgrades and injection well booster pump stations, WWTF expansions, and the WTP filter rehabilitation and VOC removal   OSHA 30-hour Construction Safety and Health Certificate			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a</b>	<b>Wellington Water Treatment Plant (WTP) Development and Rehabilitation Wellington, FL</b>	PROFESSIONAL SERVICES November 2019	CONSTRUCTION <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction administrator for improvements for the Village of Wellington's 11-MGD WTP. Kimley-Horn assumed the role from another consultant to complete improvements, including adding high-service pumps, rehabilitating the old HS building, relocating or replacing existing electrical equipment, update the plant-wide SCADA system, replacing trench piping supports, adding a membrane train, re-membraning four existing trains, reconfiguring cleaning headers, providing new bulk and day fuel tanks, updating the sodium hypochlorite system, adding a new fluoride feed system, expanding and upgrading the control room and operator facilities and other services. For each task, we are providing design, permitting, and bidding services and construction. Contract value: \$409,830	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b>	<b>6.5-MGD Wastewater Treatment Facility (WWTF) Upgrades and Rehabilitation, Wellington, FL</b>	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction administrator. The Kimley-Horn team was selected to provide engineering design and construction phase services for a variety of upgrades to the WWTF. The scope of work included a new blower building, new aerobic digesters, new belt filter press feed pumps, new dryer feed cake pump, new clarifier mechanism, odor control system improvements, refurbishing the headworks and grit equipment, improved walkways/platforms/handrailing, the addition of a filter, upgraded/new operator facilities, dewatered sludge pumping, and associated electrical/control improvements. Contract value: \$1,259,108	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b>	<b>South Oslo Road Water Plant Floridan Well Rehabilitation and Construction of Well #7, Indian River County, FL</b>	PROFESSIONAL SERVICES December 2019	CONSTRUCTION <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction observer for this project for the County who owns and operates six Floridan supply wells which are the raw water supply and source water for the South Oslo Road WTF. These wells are the lifeblood of the treatment facilities and maintaining efficient operation of these wellfields is critical to the sustainability of the water system. The project consisted of well rehabilitation of four wells, well #7 installation (including drilling and wellhead), raw water main construction to connect well #7 to plant raw water system, and SCADA system improvements to include well #7 and fiberoptic communication with wells. Contract value: \$189,625	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b>	<b>Town of Jupiter Utilities Miscellaneous Reverse Osmosis (RO) Building Concrete Repairs and Hardening Improvements, Jupiter, FL</b>	PROFESSIONAL SERVICES June 2017	CONSTRUCTION <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction administrator. Kimley-Horn provided concrete repairs for the RO process room, including: RO mixing trough repairs, RO trench floors, feed pump foundation repairs, and IX trough repair. Contract value: \$57,240	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b>	<b>Water Treatment Plant #11 (WTP #11) Production Well 11 (PW-11) Raw Water Main Design Phase</b>	PROFESSIONAL SERVICES December 2017	CONSTRUCTION <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction observer. This project is part of Kimley-Horn's general water treatment plant engineering services contract. As part of Kimley-Horn and JLA Geoscience's services for design and bidding services for Water Treatment Plant #11 Production Well 11 well and wellhead, the team was retained to provide design, permitting, and bidding services for a raw water main. Contract value: \$58,278	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Thomas Jensen, P.E.</b>	13. ROLE IN THIS CONTRACT Facility Assessments, Water Distribution/Wastewater Collection, Stormwater	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION *(City and State)*  
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(Degree and Specialization)*  
Bachelor / Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*  
FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Senior water resources engineer working as a water/wastewater consultant for municipal and private utilities throughout Florida | Has provided master planning, utility management, design, permitting, and construction administration for a wide range of municipal infrastructure improvements | His design experience ranges from new facilities to rehabilitation of existing facilities to complete replacement of utility systems.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
<b>Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3, Port St. Lucie, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>a</b> Project manager. Kimley-Horn is designing the force main extension to connect the City's concentrate disposal pipeline to the Glades WWTF. This improvement is required to assist in the overall system hydraulics of the City's force main transmission system by transferring flows from an overloaded portion of the system to the Glades WWTF. The project included over 9,000 LF of 24-inch force main along the Glades cutoff roadway right-of-way and inside an easement dedicated to the City for the force main's installation. The force main is planned to be installed via open cut and horizontal directional drill through the I-95 corridor to mitigate any FDOT conflicts at the crossing. The scope of services includes design and regulatory permitting services through City, County, FDOT, and FDEP, respectively. Contract value: \$182,300		
<b>Water Standards, North Miami Beach, FL</b>	September 2020	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b> Project manager. Kimley-Horn provided design, permitting and engineer of record services. Existing interconnects are maintained between the City and neighboring municipalities and there were five interconnects included in this project located in the City of Miami Beach, as well as the City of Miami Gardens. The design focused on site upgrades that increased system reliability by improving ease of testing and sampling, providing a mechanism for routine flushing and maintenance of the interconnect, and replacement of miscellaneous valves and appurtenances, as required. Kimley-Horn's scope of services included: design, preparation of construction documents, regulatory assistance, permitting, assistance during bid and award phase of the construction contract, and limited construction phase services. Contract value: \$48,950		
<b>General Engineering Consultant Services: Water, Sewer, Reuse, and Stormwater Infrastructure Projects, Hollywood, FL</b>	December 2020	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b> QA/QC reviewer. Services included projects for the City's potable water transmission and distribution system, wastewater collection system, reuse distribution system, and stormwater systems. Projects under this contract will include, but not be limited to, the following: evaluation, predesign, design, improvements, permitting, and upgrades for existing and/or proposed sewer lift stations, stormwater pump stations and structures, and pipelines associated with water, reuse, stormwater, and sewer networks. Services for these projects included design, permitting, construction management and administration, and field services. Contract value: \$791,089		
<b>Water Treatment Plant #2 Treatment and Disposal Improvements, Palm Beach County, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b> Project engineer. Kimley-Horn was retained by Palm Beach County Water Utilities Department for design, permitting and bidding services related to Water Treatment Plant #2. The goal is to upgrade the plant facility in several areas within the treatment process and about the treatment facility to sustain treatment quality and quantity through the next decade. These improvements will help address deficiencies identified in a recent study by Kimley-Horn for the hydraulic process as well as recommended upgrades. The plant's two lime softening unit have reached the end of their useful life and need upgrades and repair to continue services. This project will provide a new lime softening unit, demolition of the one of the existing lime softening units, a new deep injection well, operational upgrades, a new 5 MG storage tank for increased storage capacity, new raw water supply well. Contract value: \$1,294,536		
<b>Wellington Water Treatment Plant (WTP) Development and Rehabilitation Wellington, FL</b>	November 2019	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b> Project engineer for improvements for the Village of Wellington's 11-MGD WTP. Kimley-Horn assumed the role from another consultant to complete improvements, including adding high-service pumps, rehabilitating the old HS building, relocating or replacing existing electrical equipment, update the plant-wide SCADA system, replacing trench piping supports, adding a membrane train, re-membrating four existing trains, reconfiguring cleaning headers, providing new bulk and day fuel tanks, updating the sodium hypochlorite system, adding a new fluoride feed system, expanding and upgrading the control room and operator facilities and other services. For each task, we are providing design, permitting, and bidding services and construction. Contract value: \$409,830		



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

*(Complete one Section E for each key person.)*

12. NAME <b>Fannie Howard, P.E.</b>	13. ROLE IN THIS CONTRACT Water Distribution/Wastewater Collection, Hydraulic Modeling	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Master of Science / Environmental Engineering Bachelor of Science / Chemical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Project engineer involved with utility projects throughout southeast Florida   Hydraulic modeling, water distribution, wastewater collection, force main assessments, piping system modeling, and analysis experience   Has provided analysis of hydraulic models for potable water, wastewater, and reclaimed water collection and distribution systems			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL</b>	November 2007	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>a</b> Project engineer. The project included design, permitting, and construction phase services for the County's master in-line pump station and 8 miles of 24-inch force main transmission piping. The in-line pump station was designed to divert wastewater capacity from the South Regional Wastewater Treatment Facility (WWTF) to the City's West Regional WWTF. As part of the project, the hydraulic model of IRC's force main system was updated and analyzed to determine the required capacity to pump to either treatment facility for both current and future conditions. This project involved the development of a sewer rehabilitation and replacement facilities plan required as part of the application process for an SRF loan. Contract value: \$1,504,000</p>		
<b>Capital Improvement Projects Update/Water System Hydraulic Analysis Martin County, FL</b>	November 2015	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>b</b> Project manager. Kimley-Horn is developing, calibrating, and analyzing the hydraulic model used to evaluate and plan capital improvement projects for Martin County Utilities Water Distribution System. For this ongoing project, GIS and WaterGEMS (a GIS version of WaterCAD) were used to model the entire Martin County Utilities water distribution system including the water treatment facilities, repump facilities, and distribution infrastructure. Population projections and future land uses were incorporated into the model to determine what capital improvement projects are necessary to meet future demands. Contract value: \$65,398</p>		
<b>Indian River County Water Distribution System Modeling and Master Planning Study, Vero Beach, FL</b>	January 2015	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>c</b> Project manager. The Kimley-Horn team updated the County's water system hydraulic model to reflect current GIS data and better represent their current water distribution system configuration. The existing 25-MGD capacity water system model was in an older version of WaterCAD format and was outdated and did not reflect current system configuration. To integrate the GIS data into a water system hydraulic model, GIS shapefiles were imported into WaterGEMS to provide a basis for water system hydraulic modeling and planning. With KH's extensive water modeling experience, our team has provided an updated water system model using two water supply sources, along with three remote elevated storage tanks. Contract value: \$24,700</p>		
<b>Vero Beach Water and Sewer Department Potable Ground Storage Tank, Vero Beach, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>d</b> Project engineer. Kimley-Horn served as the design lead for the addition of a new 2-million-gallon (MG) ground storage tank for the potable water system. The tank was proposed to replace an existing 1.0-MG tank that was beginning to have structural issues and to add an additional 1.0 MG of total storage. The project involved coordinating the piping of the new tank with two existing tanks so that all three tanks are able to serve the co-located membrane and lime softening water treatment plants. The scope of the project includes coordination with potential tank manufacturers, electrical and instrumentation integration, and construction sequencing. Construction is anticipated to commence in the fourth quarter of 2021. Contract value: \$92,190</p>		
<b>10-Year Water Treatment Master Plan, Delray Beach, FL</b>	June 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	
<p><b>e</b> Project manager. Kimley-Horn was engaged by the City of Delray Beach to develop a 10-year water treatment master plan. We developed a 20-year linear population projection model using assembled data to meet the needs of the plan update and identify projects for the City and its service area during this growth period. Kimley-Horn prepared the water treatment master plan to recommend facilities, treatment process, treatment capacities, facility locations, planning level budget estimates, and construction timing. Contract value: \$54,041</p>		

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

*(Complete one Section E for each key person.)*

12. NAME <b>Alan Garri, P.E.</b>	13. ROLE IN THIS CONTRACT Vacuum Sewer Systems	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Ocala, FL
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16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Mechanical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Senior project manager involved in the design, permitting, and construction of several vacuum sewer systems within the state of Florida | Has designed and managed the construction of one of the first applications of a vacuum sewer system in north central Florida. Vacuum sewer experience also includes a wastewater grant project in Crystal River involving the design, permitting, and construction of a vacuum sewer system which served approximately 330 residents and one church

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Indian Waters Phase I Septic to Sewer Project, Crystal River, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>	
	Ongoing		
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>a</b> Project manager. The project involved the assessment of the Indian Waters Phase I septic to sewer area. This assessment included an evaluation of the existing septic tanks and package plants with in the area. The water system, the roadways, easements, and City held property was also assessed. The project also included grant application assistance. Finally, the project will include the design of a vacuum sewer collection system to take the septic tanks off line and convey the wastewater to the City's collection system. Contract value: \$5.5 million (cost per conversion, \$17,405)</p>			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Area 112 and 113 Sewer Extension Crystal River, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		May 2012	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<p><b>b</b> Project engineer and construction manager. The project was 85% grant funded and involved the design and construction of a vacuum sewer system with 40,000 LF of vacuum sewer main, 205 valve pits, one vacuum station, and 17,000 LF of force main. Innovative project elements included: use of a waterproofing additive to the concrete used in the foundation and walls of the lower level of the vacuum station to prevent infiltration into the station in leu of a wrap around the foundation; incorporation of a buffer tank to serve a church with the vacuum system; and adjustment of vacuum main profile during construction to avoid a vein of rock too hard to excavate. Contract value: \$200,000 (design);\$3,446,788 (construction); and \$250,000 (construction engineering inspection)</p>			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Area 114 Sewer Extension Project, Crystal River, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		May 2014	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<p><b>c</b> Engineer of record, project engineer, and construction manager. The project was 85% grant funded. The project involved the design and construction of 22,300 LF of vacuum sewer main, 131 valve pits, one vacuum station, and 1,000 LF of force main. Innovative project elements included: development of a trench backfill design that minimized dewatering in the active work area where pipe was being installed; incorporation of a buffer tank to serve a shopping plaza with the vacuum sewer system; design of the vacuum main to cross a navigable canal via an aerial crossing and mounting to an existing bridge; the use of a waterproofing additive to the concrete used in the foundation and walls of the lower level of the vacuum station to prevent infiltration into the station in leu of a wrap around the foundation; the use of a mudslab during construction of the vacuum station to mitigate dewatering needed for the vacuum station construction; design and construction of the vacuum station in a narrow and limited site; and vibratory monitoring of the adjacent buildings and existing water storage tank near the construction zone of the vacuum station. Contract value: \$175,000 (design);\$3,831,235 (construction); and \$250,000 (construction engineering inspection)</p>			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Vibratory Analysis for Vacuum Pump Station Area D Project Sarasota County, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		March 2019	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>d</b> Engineer of record. The project involved the evaluation of the existing vacuum station to determine mitigation methods the County could implement to reduce noise and vibration affecting the surrounding residents. Innovative project elements included: vibratory and auditory monitoring of the vacuum station and adjacent resident properties; and direct involvement of the affected residents in the monitoring and reporting of incidents. Contract value: \$45,500 (design)</p>			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>San Bernardino County Special District Department Vacuum Sewer Replacement Project, San Bernardino, CA</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		October 2020	To begin Fall 2021
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>e</b> Provided oversight and guidance for the vacuum sewer design and integration/evaluation with/of the existing system. The project involved the design of 7,700 LF of replacement vacuum sewer main and 45 valve pits and upgrades to the existing vacuum station. Innovative project elements included: mountain terrain accommodation; abandonment of the existing vacuum main; and adjustment to minimize impacts to the existing roadway. Contract value: \$65,000</p>			

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

*(Complete one Section E for each key person.)*

12. NAME <b>Jason Sheasley, P.G.</b>	13. ROLE IN THIS CONTRACT CUP Permitting and Hydrogeology	14. YEARS EXPERIENCE	
		a. TOTAL 29	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Jacksonville, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Earth and Environmental Science		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PA / Professional Geologist FL / Professional Geologist NC / Professional Geologist	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience with water resources, hydrogeology, contaminant hydrogeology, and geology   Managed geologic and hydrogeologic investigations for the characterization of subsurface contamination at commercial, industrial, and government sites nationwide   Specializes in hydrogeology, groundwater resources, water quality, groundwater modeling, MODFLOW, and construction dewatering			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Clay County Utility Lower Floridan Aquifer Feasibility Study Clay County, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE a Project manager and principal hydrogeologist for the characterization and feasibility assessment of the lower Floridan aquifer in Clay County. Served as the technical lead for the evaluation and interpretation of the lithologic, geophysical, and water quality data from each borehole. Also responsible for contract administration of the drilling program. The purpose of the investigation was to assess the prevailing hydrogeologic conditions relative to the feasibility of using the aquifer for alternative water supply, managed aquifer recharge or aquifer storage and recovery. Contract value: \$345,029		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Fiscal Year 2019/2020 Consumptive Use Permitting, Port Orange, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE b Hydrogeologist. Tasks include preparation of the CUP application, along with a Water Conservation Plan defining the City's efforts to promote the efficient use of potable water. Kimley-Horn will also utilize the SJRWMD's Volusia County groundwater flow model (MODFLOW) and use the results to prepare an Impact Analysis Report signed and sealed by a professional geologist licensed in the state of Florida. A copy of the report will be submitted to the SJRWMD as part of the permit application. The final task will be the submittal and coordination of the CUP, a lengthy process that gets submitted/approved in stages. Contract value: \$129,700		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Midtown Miami Brownfield Redevelopment and Hydrogeologic Study for Midtown Equities</b>	PROFESSIONAL SERVICES October 2008	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE c Senior hydrologist for the site assessment activities conducted on the 56-acre site. Supervised and documented soil/groundwater sampling activities and assisted with the development of remedial strategies to address the environmental concerns associated with the site. Also project manager for a Hydrogeologic Study to determine the feasibility of using stormwater drainage wells in association with the proposed development on the site. Conducted an extensive geologic/hydrogeologic analysis of data. Contract value: \$3.5 million		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Oak Hills Wastewater Treatment Plant Expansion (WWTP), Loughman, FL</b>	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE d Senior hydrogeologist for the proposed expansion of a 200,000-GPD WWTP. Coordinated and supervised the collection and analysis of hydrogeologic data from the site. Using the relevant hydrogeologic data, prepared a reasonable assurance report (RAR) for the construction and operation of a rapid infiltration basin (RIB) for the disposal of treated effluent. The RAR documents the existing hydrogeologic conditions present at the RIB. Furthermore, the RAR provided technical justification for the construction and operation of the proposed RIB relevant to the prevailing hydrogeologic conditions. Contract value: \$197,819		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Environmental Assessment and Characterization Services (Brownfields), New Smyrna Beach, FL</b>	PROFESSIONAL SERVICES December 2020	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE e Environmental scientist. Kimley-Horn is providing Phase I and Phase II environmental assessments, as well as remediation planning services under a 2009 EPA community-wide assessment grant for \$400,000 awarded to the City of New Smyrna Beach and its Community Redevelopment Agency. Our services include preparation of site-specific quality assurance project plans, health and safety plans, and evaluation of analyses of Brownfield cleanup alternatives for sites selected by the City. Contract value: \$259,380		
<input checked="" type="checkbox"/> Check if project performed with current firm		

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

*(Complete one Section E for each key person.)*

12. NAME <b>Angelina Fairchild, P.E., LEED AP</b>	13. ROLE IN THIS CONTRACT Structural	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 34
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Master of Science / Civil Engineering Bachelor of Science / Architectural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer PR / Professional Engineer LEED AP	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Lead engineer in Kimley-Horn's Florida region structural division | Principal areas of practice include structural design, seawalls and shoreline hardening, industrial facilities, municipal projects, parks, marinas, bridges, and condition assessments | Forensic engineering experience includes evaluating structural damage from hurricanes, condition assessments, code compliance reviews, value engineering assessments, and serving as an expert witness

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Dona Bay Watershed Environmental Restoration, Sarasota County, FL</b>		PROFESSIONAL SERVICES May 2013	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	
a Structural engineer responsible for the design of the water control structure associated with this project. The structure included an 8 barrel culvert with 8 foot by 8 foot operable gates, as well as a sheetpile weir wall. The culvert and gate structure was part of a bridged access road connecting both sides of the reservoir, and it included a pedestrian walkway for maintenance and gate operation access. Contract value: \$1,076,580			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>6.5-MGD Wastewater Treatment Facility (WWTF) Upgrades and Rehabilitation, Wellington, FL</b>		PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> Ongoing
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
b Structural engineer. The Kimley-Horn team was selected to provide engineering design and construction phase services for a variety of upgrades to the WWTF. The scope of work included a new blower building, new aerobic digesters, new belt filter press feed pumps, new dryer feed cake pump, new clarifier mechanism, odor control system improvements, refurbishing the headworks and grit equipment, improved walkways/platforms/handrailing, the addition of a filter, upgraded/new operator facilities, dewatered sludge pumping, and associated electrical/control improvements. Contract value: \$1,259,108			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>North Ocean Boulevard Seawall Replacement, Palm Beach, FL</b>		PROFESSIONAL SERVICES September 2016	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	
c Structural engineer responsible for the evaluation of the existing condition of the seawall along North Ocean Blvd. Due to revised coastal loads, the age of seawall, and its interaction with an existing beach access tunnel, the decision was made to replace the existing seawall by driving new steel sheetpiles in front of the existing concrete wall. Kimley-Horn developed the construction drawings for the seawall replacement and overall roadway corridor improvements. We also assisted the Town with bidding and provided construction observation services. The project upgraded the corridor along the beach including approximately 1,600 linear feet of seawall replacement, drainage, and pavement. Contract value: \$203,516			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>Brickell Key One Property Structural Assessment and Repair Work Miami, FL</b>		PROFESSIONAL SERVICES December 2019	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	
d Project manager and structural engineer. Services consisted of the assessment of building structural elements including exterior façade, roof, parking garage and interior structures for this 20-story waterfront condominium. Upon completion of the assessment, Kimley-Horn was engaged to develop repair plans and specifications for the restoration of the façade and site amenities. Services were then expanded to include construction oversight of the repairs. Contract value: \$896,289			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
<b>The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL</b>		PROFESSIONAL SERVICES June 2016	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	
e Structural engineer of record responsible for the design of a post-and-panel cantilevered concrete sheetpile wall to replace a similar tie-backed system. The total length of the new seawall is approximately 750 linear feet, with a maximum exposed height of eight feet. Design challenges included connections to adjacent seawalls, the presence of an existing outfall that had to be maintained, scour considerations, and permitting by both SFWMD and USACE. Responsibilities also included performing construction services including a shop drawing review and site inspections as the structural inspector. Contract value: \$182,500			

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

*(Complete one Section E for each key person.)*

12. NAME <b>Allison Megrath, AICP, CNU-A</b>	13. ROLE IN THIS CONTRACT Grant Funding	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Gainesville, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor / Urban Studies		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> American Institute of Certified Planners Congress for New Urbanism	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience with traditional and non-traditional funding programs such as Community Planning Technical Assistance Grants, FRDAP Grants, and Community Development Block Grants, and Water Management District REDI Grants   Has assembled a database of nearly 400 grant and loan funding programs to identify funding sources for clients			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Grant Proposal and Floodplain Management Plan, Hollywood, FL</b>	PROFESSIONAL SERVICES July 2020	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>a</b> Project manager. Prepared a Community Development Block Grant Mitigation (CDBG-MIT) Rebuild Florida General Planning Support Program grant application on behalf of Hollywood, Florida, to create a Floodplain Management Plan. The grant application was successful and the City will be funded \$400,000 to complete the plan. The Floodplain Management Plan intends to reduce or eliminate risk to people and property from flood hazards. The objective is to develop an overall strategy of programs, projects, and measures that will reduce the adverse impact of flood hazard. Contract value: \$400,000	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Florida Department of Economic Opportunity (DEO) Community Planning Technical Assistance Grant Preparation for Utility Modeling Services, High Springs, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>b</b> Project manager. Prepared a DEO Community Planning Technical Assistance Grant for the City of High Springs in the amount of \$40,000 to contribute to Utility Modeling Services for the City's water and wastewater facilities. Due to growth pressures, increased tourism, and aging infrastructure, the City's water and wastewater systems need upgrades. These funds would be used to produce a Utility Master Plan report to properly plan for the maintenance of these facilities which sustain fundamental community services. Contract value: \$40,000	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Community Planning Technical Assistance Grant, Hollywood, FL</b>	PROFESSIONAL SERVICES June 2020	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>c</b> Project manager. The City of Hollywood requested a grant to assist in the preparation of an Asset Management Plan for water utilities. The plan for the City's utility system would help reduce the risks related to water supply, wastewater treatment, and stormwater infrastructure. Contract value: \$2,250	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>City of Crystal River Department of Economic Opportunity Community Planning Technical Assistance Grant, Crystal River, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>d</b> Project manager. The City requested a grant for a proposed project to collect, review, and develop essential baseline geographic data to be utilized to guide master planning and economic development. The proposed project includes the development of a citywide GIS database and online interactive Story Map series to be utilized by the public to enhance community awareness, engagement, and decision making. KH worked with the City to create a submittal that explains how the process will work from start to finish while providing unique benefits. Contract value: \$2,500	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Department of Economic Opportunity Community Planning Technical Assistance Grant, Longwood, FL</b>	PROFESSIONAL SERVICES June 2020	CONSTRUCTION <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>e</b> Project manager. The City of Longwood requested a grant to assist with the development of an Evaluation and Implementation Plan as part of their American with Disabilities Act (ADA) Self-Evaluation and Transition Plan. The grant submittal will provide all people with disabilities to have the access to programs, services, and activities offered to the public. Our team worked to pull concrete facts and statistics of the City to provide a clear snapshot of how not addressing these issues will have a significant impact on the City's residents. KH developed a plan that outlines various reports that will be needed for each facility type, a draft transition plan update, and a final transition plan update. Contract value: \$2,250	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Peter Syntax, LEED AP</b>	13. ROLE IN THIS CONTRACT Electrical/Controls/Instruments/Plumbing	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Phoenix, AZ			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Marine Engineering Systems		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer LEED AP CO / Professional Engineer MD / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Background includes providing mechanical and plumbing designs for residential and commercial projects   Performs all phases of engineering including feasibility studies and assessments, project designs, project scheduling, estimating, field inspections, construction administration and submittal review, and overseeing engineers, designers, and drafters			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a</b>	<b>Pasco County Biosolids Facility Design-Build, Pasco County, FL</b>	PROFESSIONAL SERVICES August 2017	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 Electrical systems engineer. Kimley-Horn provided civil engineering and environmental services for this 3-acre biosolids facility. The Pasco County Biosolids Facility processes 50,000 wet tons of wastewater sludge per year to produces Class AA Biosolids via Solar Drying Paired with Limited Fossil Fuel Pasteurization. Our specific civil engineering services included site grading, site utilities (water and sewer services), stormwater facilities design/management, pavement design, and associated site improvements. Contract value: \$391,300		
<b>b</b>	<b>Pima County, Regional Wastewater Reclamation District Security Improvement Projects, Pima County, AZ</b>	PROFESSIONAL SERVICES 2015	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 Electrical engineer responsible for designing the new generator, transfer switch, and associated design with modifying the existing electrical services. Project services included providing security systems planning, design, and construction services for various security improvement projects. Kimley-Horn provided services related to security systems at two PCRWRD sites, including the Corona de Tucson Wastewater Reclamation Facility and the Green Valley Wastewater Reclamation Facility. Contract value: \$575,215		
<b>c</b>	<b>Water Campus Switchgear Upgrades (Water Treatment Plant), Scottsdale, AZ</b>	PROFESSIONAL SERVICES October 2020	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 Electrical engineer. Kimley-Horn is providing design services and construction documents for major electrical upgrades at Scottsdale Water Campus. Upgrades include replacing the existing main switchboard, two motor control centers (MCC), four panelboards, and three transformers. The existing equipment is at end of life. Kimley-Horn designed a phasing plan to maintain plant operations while replacing each piece of equipment. The design required stakeholder input including the City maintenance staff, plant operators, and contractors. Contract value: \$70,585.78		
<b>d</b>	<b>Maricopa County, Downtown Courts Electrical Upgrades 2 Maricopa County, AZ</b>	PROFESSIONAL SERVICES July 2015	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 Electrical engineer. Performed performed multiple site visits and engaged in teaming efforts to create accurate drawings. Services included electrical site assessment, evaluation, and design of six buildings with an electrical system comprised of 15-kV network feeding 480V distribution through each building. There are 12 main distribution boards, 200 panels, and 100 transformers. The design included site assessment of the existing conditions, infrared scanning of equipment, 72-hour load studies, and construction documents to upgrade the existing system. Contract value: \$200,716		
<b>e</b>	<b>Clark County Water Reclamation District (WRD), Main Power Plant Monitoring System, Clark County, NV</b>	PROFESSIONAL SERVICES November 2016	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 Electrical engineer. Assisted in designing a power monitoring system that tracks patterns of power usage, identifies energy users, and makes it possible to identify energy conservation methods. Kimley-Horn designed a power monitoring system for the CCWRD Main Plant. that tracks patterns of power usage, identifies energy users, and makes it possible to identify energy conservation methods. With this data, historical values were used to calculate the cost savings of the energy conservation methods that the County has deployed. Contract value: \$283,871		

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

*(Complete one Section E for each key person.)*

12. NAME <b>Justin Saarinen, GISP</b>	13. ROLE IN THIS CONTRACT GIS	14. YEARS EXPERIENCE	
		a. TOTAL <b>22</b>	b. WITH CURRENT FIRM <b>0</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Sarasota, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Geography Master of Science / Geography		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Geo Info Systems Pro	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experience in environmental science, watershed management, and climate resiliency applications   Experience includes geospatial data needs assessment, data management, analysis, training and application development such as story maps and other web mapping applications   Provides an expert perspective for all phases of digital transformation in infrastructure systems			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a</b>	<b>Dunnellon Watershed Tank Worder #2, Dunnellon, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS specialist. As part of the Professional Consulting Services agreement with the Southwest Florida Water Management District, Kimley-Horn was selected to perform professional services for the Dunnellon Watershed Task Work Order #2. Project tasks include Project Development, Digital Topographic Information, and Watershed Evaluation for the Dunnellon Watershed Management Plan. Contract value: \$115,451	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b</b>	<b>Indian River County Utilities Water Supply Study, Indian River County, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS specialist. Kimley-Horn was selected by the Indian River County Utilities Department to evaluate for the potential expansion of the existing Hobart and Oslo UFA wellfields to include new UFA wells, wellheads, piping, and pumping stations as required. Kimley-Horn will also evaluate for the feasibility of a third UFA wellfield for the Hobart Water Treatment Plant and/ or expansion of the existing Oslo Water Treatment Plant wellfield. Contract value: \$246,430	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c</b>	<b>Charlotte County Capacity, Management, Operations and Maintenance (CMOM) Assessment, Port Charlotte, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS specialist. Kimley-Horn was selected by Charlotte County to evaluate the existing CMOM policies and practices. The project includes an assessment of Charlotte County's existing CMOM program, evaluation of the program's CMOM documentation for compliance with the consent order, and development of recommendations for continuous improvements, including an implementation roadmap that consists of projects, schedule, and level of effort. Contract value: \$263,490	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d</b>	<b>Sarasota County Septic System Replacement Implementation Plan Sarasota, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS specialist. Kimley-Horn was selected by Sarasota County to provide professional services to develop a prioritization for implementation of septic system replacement within the Sarasota County Public Utilities service area. The project includes data collection and analysis of the existing septic system. As there are several thousand septic system within the Sarasota County Public Utilities service area, Kimley-Horn will conduct an analysis to reevaluate, rank, and prioritize for future septic system replacement areas. Contract value: \$499,801	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e</b>	<b>Wastewater Management Plan (WWMP), Sarasota County, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Geospatial data solutions lead. Kimley-Horn is providing professional services for Sarasota County's WWMP. Justin leads the data management, analysis and collaboration. His services include gap analyses, service analyses, criteria weighting, prioritization, and web-based reporting. This is leverages using the County's existing enterprise database and tools.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Complete one Section E for each key person.)*

12. NAME <b>Shelby Oenbrink, WPIT</b>	13. ROLE IN THIS CONTRACT Environmental	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Vero Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Environmental Science		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Wetland Pro in Training	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Environmental science analyst, Authorized Gopher Tortoise Agent, and Wetland   Professional in Training (WPIT) in Florida   Has conducted several Natural Resource Assessments, Habitat Conservation Plans and several coastal construction control line permits			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	<b>Coral Reef Commons Retail Development Environmental Services Miami-Dade County, FL</b>	November 2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager and environmental scientist. Kimley-Horn is currently providing professional environmental consulting services for this mixed-use commercial project. Due to an on-site Pine Rockland Preserve, the site requires environmental consulting services. Kimley-Horn is acting as the 'Preserve Biologist' for the on-site preserve and has assisted in returning the Natural Forest Community to a healthy Pine Rockland ecosystem by helping implement the Habitat Conservation Plan and Incidental Take Permit. Contract value: \$1,208.19	Check if project performed with current firm	
b.	<b>Bonneted Bat Survey for SW 136th Safe Routes to School Project Palmetto Bay, FL</b>	May 2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental analyst. As a result of a comment provided by FDOT during a LAP review, KH led a survey to verify if any of the trees designated for replacement within the project limits were inhabited by the bonneted bat. Our services included a cavity and roost habitat survey for the 124 trees identified for removal in the plans. Each tree was visually inspected for evidence of cavities. The result of cavity/roost survey was provided in an environmental memorandum, including a photographic log of the potential Bonneted Bat habitat. Contract value: \$6,185	Check if project performed with current firm	
c.	<b>Lost Oak Resort Master Plan, Lake Wales, FL</b>	September 2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental analyst responsible for numerous wildlife surveys for federal and state listed species, such as Florida scrub-jay, wading birds, southeastern American kestrel, Audubon's crested caracara, bald eagles, and Sherman's fox squirrels. Also responsible for wetland delineation and coordination with multiple agencies. KH's services included preparation of a conceptual master plan and preliminary design concepts for permitting. Contract value: \$579,775	Check if project performed with current firm	
d.	<b>Continental Country Club Wastewater Treatment Facility, Wildwood, FL</b>	September 2017	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project analyst. Kimley-Horn performed a condition assessment, operational review, rehabilitation design, and construction administration for a 0.200-MGD Davco ring steel WWTF. The condition assessment and operational review included structural integrity evaluations, mechanical equipment inspections, and effluent disposal capacity evaluations. The rehabilitation design and construction administration included blower replacement, catwalk repairs, launder trough repairs, diffuser replacement, and digester rehabilitation. Contract value: \$400,000	Check if project performed with current firm	
e.	<b>Peregrine II, Melbourne, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental analyst. The project includes due diligence level review of the project site, Florida scrub-jay surveys, 15% gopher tortoise survey, and wetland delineation. Applications were submitted to SJRWMD and the USACE for formal wetland determinations. Contract value: \$250,733	Check if project performed with current firm	



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

*(Complete one Section E for each key person.)*

12. NAME Dameion Donaldson	13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 12

15. FIRM NAME AND LOCATION *(City and State)*  
Electrical Design Associates, Inc. (Lake Worth Beach, FL)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelors of Science in Electrical Engineering Florida International University/2003	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Professional Engineer 70851
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Florida Engineering Society (FES), Illuminating Engineering Society (IES)

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Westport WWTP Expansion Port St. Lucie, FL	2019	2020
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Electrical Design Associates, Inc. was contracted to provide electrical and instrumentation design associated with the expansion of the City's Westport WWTF from 6 MGD to 12 MGD in capacity. Design includes replacement and upgrade of the site wide PLC system.		
SWRF Phase V Improvements Orange County, FL	2015	2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Electrical Design Associates, Inc. was contracted to provide electrical and instrumentation design associated with the referenced project. Improvements included construction of new facilities combined with major and minor modifications to existing facilities including influent pumping, screening, grit removal, the existing North Plant biological nutrient removal (BNR) basin, north plant rectangular clarifier conversion to step-feed BNR basin, electrical & control improvements, administration building, odor control, and general site improvements, etc.		
Apopka WRF Apopka, FL	2016	2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Electrical Design Associates, Inc. (EDA) was contracted to provide engineering services for the Apopka WRF Expansion project. Our scope of work included Electrical and Instrumentation associated with expansion of the existing Water Reclamation Facility (WRF) from the existing 4.5 MGD permitted capacity to 8.0 MGD. The design also included the implementation of a new VT SCADA plant wide system.		
Eustis Eastern WWTP Expansion Eustis, FL	2016	2018
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Electrical Design Associates, Inc. (EDA) was contracted to provide electrical and instrumentation design and general construction administration associated with the 1.0 MGD expansion to the facility resulting in a permitted capacity of 1.300 MGD AADF at the existing Eastern Wastewater Treatment Plant (WWTP).		
Largo WRF Influent Pumping and Headworks Improvements Largo, FL	2015	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 e. Electrical Design Associates, Inc. (EDA) performed an evaluation and field verification for the existing electrical system at the City of Largo Water Reclamation Facility and an analysis of the necessary improvements to accommodate process improvements. Subsequently, EDA prepared a basis of design report as it related to the electrical system associated with the proposed Influent Pump Station, the demolition of the North and South Influent Pump Stations, the proposed Headworks facility and the demolition of the existing chemical building.		

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

*(Complete one Section E for each key person.)*

12. NAME James L. Andersen, P.G.	13. ROLE IN THIS CONTRACT Principal Hydrogeologist	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION <i>(City and State)</i> JLA Geosciences, Inc. 1907 Commerce Lane Suite #104, Jupiter Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelors of Science, Geology, Florida Atlantic University		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> State of Florida, Professional Geologist, No. 1103	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> <u>Affiliations:</u> SW Desalting Assoc. American Membrane Treatment Assoc. Geological Society of America Int'l Association of Hydrogeologists			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>Principal Hydrogeologist WUD 19-065 Raw Water Master Plan, Palm Beach County Water Utilities Department, Palm Beach County, Florida</b>	2019	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm Provided hydrogeologic services for PBCWUD raw water integrated utility master plan project including AWIA risk and resiliency compliance, raw water supply plan modeling, and WUP permit review.		
b.	<b>Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter, Surficial Aquifer Wellfield Testing</b>	2019	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm Testing of the Town's in service Surficial Aquifer (SA) production wells at their maximum designed, safe pumping rates. Includes evaluation of pump performance, pumping water levels, water quality and specific capacity. SCADA system also evaluated. Analysis of results and evaluation of previous data provided to the Town with a comprehensive report identifying trends in production well performance and recommendations for rehabilitation.		
c.	<b>Principal Hydrogeologist/Project Hydrogeologist, PBCWUD, System-Wide Wellfield Improvements Project WUD18-051</b>	2019	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm Provided overall project management and hydrogeologic consulting services during design and bidding phases for rehabilitation program for System-Wide Wellfield Improvements Project. Project includes preliminary wellfield evaluations, oversight of well design for well rehabilitation, civil/mechanical and electrical upgrades, of thirty-seven (37) wells throughout Water Treatment Plants No. 2, 3, 8, and 9.		
d.	<b>Principal Hydrogeologist/Project Hydrogeologist, PBCWUD, UFA/ASR Rehabilitation Design and Bidding</b>	2018-2019	2017
	<input checked="" type="checkbox"/> Check if project performed with current firm Project included design specifications and bidding assistance for rehabilitation of PBCWUD WTP 11 UFA production wells and WTP 3 & WTP 9 ASR wells.		
e.	<b>Principal Hydrogeologist/Project Hydrogeologist, South Martin Regional Utility, N-15, R-4 Design, Permitting, Bidding</b>	2018-2019	
	<input checked="" type="checkbox"/> Check if project performed with current firm Project included design, permitting, and bidding of SMRU North Plant Supply Well N-15 and Remediation Well R-4.		
f.	<b>Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter, Wellfield 4 SFWMD Modeling and Permitting</b>	2018	Ongoing
	<input checked="" type="checkbox"/> Check if project performed with current firm Project included groundwater modeling and SFWMD permitting assistance for wells in TOJ wellfield no. 4, north of Indiantown Road, including SFWMD letter modification and well siting.		

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

*(Complete one Section E for each key person.)*

12. NAME Rodney J. Miller, P.G.	13. ROLE IN THIS CONTRACT Senior Hydrogeologist	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION <i>(City and State)</i> JLA Geosciences, Inc. 1907 Commerce Lane Suite #104, Jupiter Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS Geology, Ashland University, Ashland, Ohio, 1999 BS Environmental Science, Ashland University, Ashland, Ohio, 1999		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> State of Florida, Professional Geologist, No. 2504	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Provides exceptional expertise in the construction and testing of Class I injection well systems, and of Floridan Aquifer and Surficial Aquifer production wells. Mr. Miller's responsibilities include contractor coordination and overall contract/project management, well design, field observation, and technical reporting. Mr. Miller has directed numerous Class I injection well systems from design and permitting through operational testing and mechanical integrity testing. Mr. Miller has worked on Class I injection well systems throughout South Florida and has performed aquifer pumping tests at injection wells and production wells throughout South Florida. He is well versed and familiar with State regulations related to permitting of Class I injection wells systems.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>Four Class I Injection Well Systems Construction Management and Operating Permit Applications (JEA WTP, Westport WWTF, Glades WWTF, Prineville WTP); City of Port St. Lucie, FL</b>	2002 - 2013	2005 - 2011
		<input checked="" type="checkbox"/> Check if project performed with current firm <b>JEA WTP and Westport WWTF:</b> Performed field management and oversight activities and assisted with regulatory reporting and mechanical integrity testing oversight for construction and testing of two separate injection well systems. Assisted in securing operating permits. Project manager and professional geologist for securing operating permit renewals and completing 5-year mechanical integrity testing operations. <b>Glades WWTF and Prineville WTP:</b> Project manager and professional geologist for construction of Class I injection well systems. Secured construction and operating permits; prepared design and technical specifications for construction of two separate injection well systems for wastewater disposal (Glades WWTF) and for reverse-osmosis concentrate disposal (Prineville WTP). Responsible for schedule, contract administration, construction management and regulatory compliance. Performed majority of construction oversight. Prepared construction and testing reports, O&M manuals and secured operating permits.	
b.	<b>Class I Injection Well Systems Operating Permit Renewals; City of Port St. Lucie, FL</b>	2005 - 2010	NA
		<input type="checkbox"/> Check if project performed with current firm Prepared permit application and support documents to renew operating permits. Updated O&M manual. Prepared financial responsibility documents. Performed area of review evaluation. Assisted City in reducing regulatory permit requirements for monitoring and sampling for Northport WWTF system.	
c.	<b>Senior Hydrogeologist/Project Manager Class I Injection Well and Monitor Well Construction Management and Operating Permit Application; City of Hollywood, FL</b>	2011 - ongoing	2012 - 2013
		<input type="checkbox"/> Check if project performed with current firm Professional geologist for construction of one large-diameter injection well and associated dual-zone monitor well. Performed quality control and technical guidance services throughout all aspects of design, permitting, construction and testing. Prepared O&M manual and secured approval from FDEP to perform operational testing and in process of securing operating permit.	
d.	<b>Class I Injection Well System Construction Management, Operating Permit Application, Mechanical Integrity Testing; Vero Beach, FL</b>	2008 - 2015	2009 - 2015
		<input type="checkbox"/> Check if project performed with current firm Project manager and professional geologist for construction of Class I injection well and associated monitor well. Secured construction and operating permits; prepared design and technical specifications. Responsible for schedule, contract administration, construction management and regulatory compliance. Performed majority of construction oversight. Project manager and professional geologist for 5-year mechanical integrity testing operation.	
e.	<b>Class I Injection Well System Construction Oversight, Operating Permit Applications, Mechanical Integrity Testing; Village of Wellington WTP, FL</b>	2003 - 2015	2003 - 2015
		<input type="checkbox"/> Check if project performed with current firm Project manager and professional geologist for securing operating permit renewals and performing multiple 5-year mechanical integrity testing operations.	

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

*(Complete one Section E for each key person.)*

12. NAME <b>David McNabb, P.G.</b>	13. ROLE IN THIS CONTRACT Project Manager/Hydrogeologist	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION <i>(City and State)</i> McNabb Hydrogeologic Consulting, Inc., 4600 Military Trail, Suite 116, Jupiter, Florida 33458			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Geology, Indiana University Master of Science, Geology, Univ. of Texas at Arlington		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Registered Professional Geologist #1461	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Professional Geologist for FDEP Underground Injection Control Program, evaluation of Class I injection well design permit applications and MIT plans 1992-1995.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> FPL Okeechobee Clean Energy Center Injection Well System, Vero Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES August 2018	CONSTRUCTION <i>(If applicable)</i> April 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided design, construction permitting, and construction oversight services for a Class I Industrial deep injection well system at the FPL Okeechobee Clean Energy Center in Okeechobee County. The deep injection well system consists of 2 24-inch diameter deep injection wells with a maximum depth of 3,210 feet and dual-zone monitor well DZMW-1. The injection wells were designed to Class I Industrial deep injection well standards (tubing and packer design) to allow disposal of industrial wastewater from the electrical power generation process. . Each injection well has an injection capacity of 9.6 MGD. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Westport WWTF Injection Well IW-2 Construction Permit, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Currently providing injection well IW-2 construction permitting services for the City's Westport WWTF. FDEP has issued a Draft Construction Permit and receipt of the Notice of Intent to issue permit is anticipated very soon. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Okeechobee Utility Authority Wastewater Treatment Plant (WWTP) Injection Well System, Okeechobee, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided construction oversight services for a Class I deep injection well system at the Cemetery Road WWTP. The deep injection well system consists of one 24- inch diameter deep injection well with a total depth of 3,200 feet and dual-zone monitor well DZMW-1. Both the injection well and monitor well were constructed concurrently to allow the drilling contractor to complete the construction within a compressed contract time. Observation of construction of both wells required close coordination with the drilling contractor and client to ensure operation of 2 drilling rigs at the site did not interfere with plant operations. Total project construction cost was \$5.7 million. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Port St. Lucie Westport WWTF Injection Well IW-1 Mechanical Integrity Testing, Port St. Lucie Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES May 2018	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided professional services for Mechanical Integrity Testing (MIT) of the Westport WWTF existing injection well IW-1. The project included the preparation of an MIT plan for submittal and acceptance by FDEP, preparation of technical specifications, field observation services during testing, coordination with FDEP to witness well pressure testing and preparation of an MIT report summarizing and interpreting the testing procedures and results. The report included a summary of monitor well water quality. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Lake Worth WTP Injection Well System, Lake Worth, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided deep injection well design and permitting services for a Class I deep injection well system at the City of Lake Worth Reverse-Osmosis Water Treatment Plant. The construction permit for the deep injection well system was obtained six months after submittal of the permit application. The injection well system consist of one Class I Industrial deep injection well with a total depth of 3,300 feet and one dual-zone monitor well with a total depth of 1,942 feet. The construction of the well was completed in 2012. The injection well system is used for disposal of reverse-osmosis concentrate. The construction cost for the project was \$4,688,188. The project was completed on time and on budget with no change orders. MHC provided subsequent operating permit services. Project manager.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		

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

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>Jaime Velez, P.E.</b>	<b>Senior Geotechnical Engineer</b>	<b>a. TOTAL</b>	<b>b. WITH CURRENT FIRM</b>
		18	17
<b>15. FIRM NAME AND LOCATION (City and State)</b>			
<b>Terracon Consultants, Inc. (West Palm Beach, FL)</b>			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b>		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b>	
B.S./Civil Engineering M.E./Engineering		Professional Engineer/Florida, Civil Engineering	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b>			
Additional Training: During Post Graduate Studies, Performed Research: Use of the Cone Penetrometer in Testing of Cemented Sands. University of FL			

## 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>a.</b>	<b>Palm Club Sanitary Sewer Lauderdale-by-the-Sea, FL</b>	2020	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm		
	Senior Project Manager. The Town of Lauderdale-by-the-Sea planned to install a new gravity sewer system to replace existing septic tanks. A gravity sewer project was to be installed along Palm Club Drive, within the Palm Club Community, using conventional cut-and-cover methods. A single sanitary sewer lift station was to be installed near the southeast corner of the development. Terracon performed subsurface exploration and geotechnical engineering services for the new gravity sewer system including the advancement of 11 test borings. The firm provided information and geotechnical engineering recommendations relative to: subsurface soil conditions, groundwater conditions, lift station foundation design, utility line excavation and installation, lateral earth pressures, and groundwater lowering. Firm's Fee: \$8,800		
<b>b.</b>	<b>Pineapple Park Group II Stormwater Improvements West Palm Beach, FL</b>	2019	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm		
	Senior Project Manager. The project was to consist of the removal/replacement of a sanitary sewer force main along the northeast-bound lane of Dock Street. Drainage improvements using tree wells were being considered at the intersection of Ridgeway Avenue and Ardmore Road. A replacement stormwater outfall was also planned on the eastern bank of the West Palm Beach Stub Canal about 300 feet west of the intersection of York Street and Dock Street. Terracon performed subsurface exploration and geotechnical engineering services for the proposed improvements. Our scope of work consisted of field exploration (test borings and a borehole permeability test), laboratory testing, and engineering/project delivery. The purpose of these services was to provide information and geotechnical engineering recommendations relative to: subsurface soil conditions, groundwater conditions, soil permeability, and bedding/backfilling for new pipeline. The firm's information, opinions, and recommendations were delivered using GeoReport. Firm's Fees: \$6,463		
<b>c.</b>	<b>Palm Beach County Water Utilities Department (PBCWUD) Water Treatment Plant (WTP) No. 8 West Palm Beach, FL</b>	2017	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm		
	Senior Engineer. Foundations were planned to support a new lime sludge thickener at WTP 8 located at 1500 North Jog Road in West Palm Beach. Two rectangular shallow foundation footings were proposed on each side of the lime sludge tank to support the new structure. Terracon drilled hand auger borings and performed laboratory examination and testing of samples collected from the field. The purpose of our services was to provide information and geotechnical engineering recommendations relative to design and construction of the footings. Subsurface information obtained from drilled borings conducted during two previous studies at the site as well as the field data collected under this study were used together as the basis for Terracon's foundation recommendations. Firm's Fee: \$2,787		
<b>d.</b>	<b>Belle Glade Wastewater Treatment Plant (WWTP) Generator Support Belle Glade, FL</b>	2016	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm		
	Project Engineer. A new generator concrete slab was going to be constructed at the Belle Glade WWTP. The generator and fuel tank were planned to have a maximum anticipated load of about 65 kips. The firm evaluated the subsurface conditions at the site and provided geotechnical engineering recommendations related to the design and construction of the project. The scope of work included field exploration, laboratory testing, and geotechnical analysis. Firm's Fee: \$5,500		
<b>e.</b>	<b>Western Region Operations Center (WROC) Belle Glade, FL</b>	2015	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm		
	Geotechnical Engineer. At the time of our initial services, PBCWUD wanted to expand WTP No. 11 facility located on the south side of Hooker Highway. The firm, as a subconsultant to a civil firm, completed geotechnical engineering services from 2013 to 2015. The scope of work included drilling exploratory borings, laboratory examination and testing of samples collected from the field, and recommendations for the geotechnical aspects of the project. The firm also provided plans and specifications for the demucking contract as well as preparation of a dewatering permit application and developed a dewatering plan for potential off-site discharges for the site. Earthwork construction observation services that included demucking and replacement filling operations and monitoring of an earthen preload fill were completed from 2014 to 2015. Firm's Fee: \$107,485		

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

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
<b>Douglas Dunkelberger, P.E.</b>		<b>Principal/Authorized Project Reviewer (APR)/Quality Reviewer</b>		a. TOTAL	b. WITH CURRENT FIRM
				42	27
15. FIRM NAME AND LOCATION ( <i>City and State</i> )					
<b>Terracon Consultants, Inc.</b> (Tampa, FL)					
16. EDUCATION (DEGREE AND SPECIALIZATION)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
B.S./Civil Engineering M.S./Geotechnical Engineering			Florida/Professional Engineer		
19. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> )					
Affiliations:		Florida Engineering Society (FES)		National Society of Professional Engineers (NSPE)	
		American Society of Civil Engineers (ASCE)			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )
a.	<b>Danforth Creek Outfall Control Structure</b> <b>Palm City, FL</b>	2020	N/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		
	Authorized Project Reviewer (APR)/Quality Reviewer. The project consisted of a new 10 foot by 14 foot wide concrete box control structure planned to be installed to a depth of about 11 feet below the existing ground surface. Terracon performed subsurface exploration and geotechnical engineering services for the proposed structure. Information and geotechnical engineering recommendations were provided relative to: subsurface soil conditions; groundwater conditions; excavation considerations; dewatering conditions; foundation design and construction; and lateral pressures. Firm's Fee: \$4,000		
b.	<b>PBCWUD Water Treatment Plant (WTP) No. 8</b> <b>West Palm Beach, FL</b>	2017	N/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		
	APR/Quality Review. Foundations were planned to support a new lime sludge thickener at WTP 8 located at 1500 North Jog Road in West Palm Beach. Two rectangular shallow foundation footings were proposed on each side of the lime sludge tank to support the new structure. Terracon drilled hand auger borings and performed laboratory examination and testing of samples collected from the field. The purpose of our services was to provide information and geotechnical engineering recommendations relative to design and construction of the footings. Subsurface information obtained from drilled borings conducted during two previous studies at the site as well as the field data collected under this study were used together as the basis for Terracon's foundation recommendations. Firm's Fee: \$2,787		
c.	<b>Western Region Operations Center (WROC)</b> <b>Belle Glade, FL</b>	2017	N/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		
	Principal Engineer. The expansion project consisted of a new 5 million gallon water storage tank, a new 6,700-square foot (SF) warehouse, a 6,000-SF shop building, a lift station, an 8,000-SF combination administration/operations and customer service building, and associated parking fields and driveways adjacent to WTP 11. The scope of work included concrete, steel, and soils. Steel inspection services were completed for the 5 MG aboveground storage tank. Construction materials testing services were conducted for a combination administration/operations and customer service building, and associated parking fields and driveways. The scope of work for these project components included concrete testing observation as well as laboratory testing. Firm's Fee: \$48,124		
d.	<b>C-24 Canal Park Groundwater Modeling</b> <b>Port St. Lucie, FL</b>	2016	N/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		
	APR/Quality Reviewer. Terracon performed geotechnical engineering services related to the planned UD system beneath the north paved parking lot at the C-24 Canal Park. services involved groundwater modeling to confirm the layout, horizontal spacing and vertical depths (i.e. invert elevations) of the UD. As an alternative to the UD, Terracon also modeled the effectiveness of a continuous gravel (FDOT No. 57 stone) layer (GL) beneath a re-constructed pavement section consisting of full-depth asphalt. The firm also provided geotechnical engineering recommendations. Firm's Fee: \$5,000		
e.	<b>Hilltop Street Drainage Improvements</b> <b>Jensen Beach, FL</b>	2016	N/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		
	APR/Quality Reviewer. Future stormwater improvements were proposed for a section of Hilltop Street located in Jensen Beach, Florida. Significant variation in elevation across the roadway caused stormwater to collect at the low points. Exfiltration trenches were proposed to improve drainage and soil permeability characteristics were needed to assist in the design of the trenches. The firm conducted subsurface exploration and laboratory testing which included evaluation of the hydraulic conductivity characteristics using the Borehole Permeability (BHP) test method to assist in the design of the exfiltration trenches. In addition to the hydraulic conductivity testing, an auger boring was drilled adjacent to each test location to locate the groundwater table. Firm's Fee: \$4,521		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
*(Complete one Section E for each key person.)*

12. NAME  William B. Zentz	13. ROLE IN THIS CONTRACT  Chief Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL  31	b. WITH CURRENT FIRM  24
15. FIRM NAME AND LOCATION <i>(City and State)</i> William B. Zentz & Assoc. Inc.			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  Civil Engineering/surveying Studies – 1983/1985 - 62 credits Middlesex County college, NJ		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  Florida PLS #5726	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	MCU Well NRO-5 Project	Jan 2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  3900 LF route mapping survey	<input type="checkbox"/> Check if project performed with current firm	
b.	SLC Force main Glades cut-off Rd	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  1.8 mile route mapping survey	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	IRC util Ixora Park Sanitary Project	Oct /2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  11,000 +/- LF route mapping survey	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	MCU TRFO 6 & 7 Raw water main route	Feb 2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  5500 +/- LF route mapping survey	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	MCU Tropical Farms to Martin Downs plant raw water main project	Jan 2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  39,000 +/- LF route mapping survey	Check if project performed with current firm	

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER  
1

21. TITLE AND LOCATION *(City and State)*  
**Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 Ongoing

CONSTRUCTION (if applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
 City of Port St. Lucie

b. POINT OF CONTACT NAME  
 Pierre Vignier

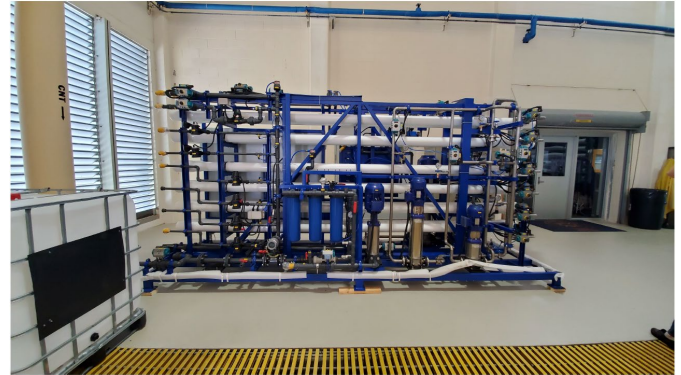
c. POINT OF CONTACT TELEPHONE NUMBER

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

This project includes: pilot testing protocol and preparation of a membrane selection criteria technical memo; pilot unit installation and startup; pilot unit membrane testing; preparation of a membrane train modifications report; preparation of a report summarizing the findings and recommendations of the pilot testing program; preparation of membrane procure documents; preparation of membrane installation consultant procurement documents; and coordination and observation of the membrane installation and startup certification for each train; preparation of a draft and final membrane train optimization report.

Contract Value: \$484,320  
 Net fee to date: \$253,644

In addition, future upgrades, improvements, and studies at the treatment facilities may include: membrane pilot unit upgrades or installation; recommendations for treatment facility upgrades/modifications to meet regulatory requirements, reduce maintenance, optimize operation, improve performance, or study alternatives; engineering evaluations, designs, reviews, presentations, permitting, planning, and other related services; operational assistance, troubleshooting, training, or product development; and membrane autopsies, cleaning, investigations, and process reviews.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Orlando, FL	Program Management; Utility Systems; Design and Permitting
b.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Program Management; Facility assessments; Site Security; Grant Funding
c.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Design and Permitting
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**2**

21. TITLE AND LOCATION <i>(City and State)</i> <b>Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3, Port St. Lucie, FL</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)

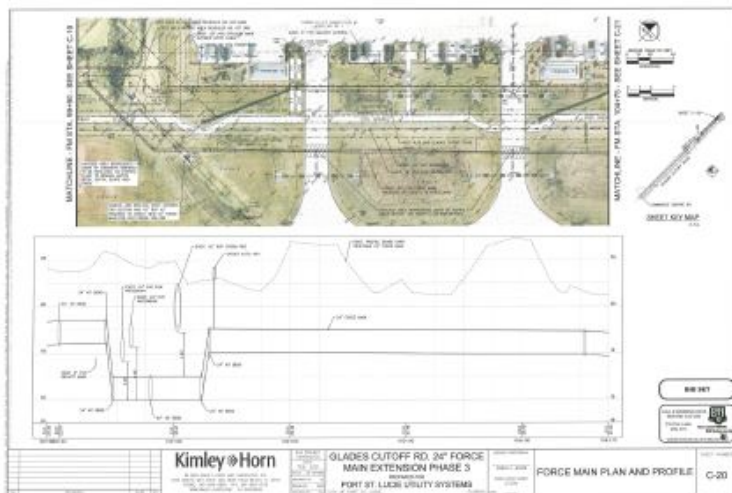
**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Port St. Lucie	b. POINT OF CONTACT NAME David Garland	c. POINT OF CONTACT TELEPHONE NUMBER
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn was retained by the City of Port St. Lucie to design the force main extension to connect the City's concentrate disposal pipeline to the Glades Wastewater Treatment Facility. The proposed improvement is required to assist in the overall system hydraulics of the City's force main transmission system by transferring flows from an overloaded portion of the system to the Glades Facility. The project included over 9,000 LF of 24-inch force main along the Glades Cutoff Roadway right-of-way and inside an easement dedicated to the City for the main's installation. The force main is planned to be installed via open cut. The project also consists of a horizontal directional bore under I-95 and FPL's power transmission corridor. The bore length is proposed to be 1,800LF and 24-inch visible PVC. The utility corridor for this project consists of numerous other large diameter City-owned utility mains, which creates a challenge in locating the proposed 24-inch force main, this was overcome by conducting more survey and utility locates (soft digs) to ensure the constructability of the proposed force main. The scope of services includes design and regulatory permitting services through City, County, FDOT, and FDEP, respectively.

Contract value: \$182,300  
 Net fee to date: \$120,584



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Orlando, FL	Program Management; Utility Systems; Design and Permitting
b.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Program Management; Facility assessments; Site Security; Grant Funding
c.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Facility Assessments; Water Distribution/Collection; Stormwater
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**3**

21. TITLE AND LOCATION <i>(City and State)</i> <b>Bee Ridge Water Reclamation Facility (WRF)</b> <b>Sarasota County, FL</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Est. February 2022	CONSTRUCTION (if applicable) To begin September 2021

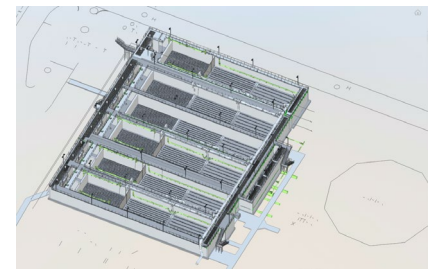
**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Sarasota County	b. POINT OF CONTACT NAME Gene Allen	c. POINT OF CONTACT TELEPHONE NUMBER
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The Bee Ridge Water Reclamation Facility (WRF) is a 12.0 million gallon per day (MGD) water reclamation facility owned by Sarasota County (County) and is authorized to operate by the Florida Department of Environmental Protection (FDEP) under permit number FLA013372. The permit has an effective date of December 19th, 2017 and will expire on December 18th, 2022. The County entered into the FDEP Consent Order (CO) No. 19-0255 in August 2019 as a result of unauthorized discharges of treated wastewater at the Bee Ridge WRF reclaimed water storage pond and other treated and untreated sanitary sewer overflows.

Contract value: \$400,000  
Construction: \$5M



The CO was designed to improve the County's wastewater collection and treatment systems with the goal of decreasing impact on water quality through reduced discharge of untreated and treated wastewater. The goal of the Long-Term Fix is to eliminate overflows at the Bee Ridge WRF reclaimed water storage pond by June 30, 2023. The Long-Term Fix includes the installation of the aquifer recharge (AR) well system as an additional disposal option for Bee Ridge WRF effluent. In order to send the Bee Ridge WRF effluent to the AR well system, the effluent must meet FDEP quality requirements, which requires improvements to the existing WRF treatment process. These improvements are the interim process improvements and were proposed to be pilot tested and implemented based on results of the pilot test. The interim process improvements must be completed to test the AR well system and ultimately put the Long-Term Fix into operation. To meet the CO deadline, the interim process improvements must be complete prior to the required approximately 1-year of AR well system testing, or June 30, 2022.

To meet the long term fix and permit discharge to the AR well, the County is required to modify the existing biological process to improve effluent quality to 10 mg/l or less of nitrogen. As part of the Wharton Smith Design Build team, Kimley-Horn is providing professional engineering services to enhance biological process at the WRF. Kimley-Horn performed wastewater characterization and biological process modeling (BioWin) to support the development of fast track improvements needed to reduce nitrogen effluent. The proposed improvements include the modification of 4 of the 6 aeration basins as follows.

- *Increased anoxic zones with the conversion of the high-density diffuser zone in the aeration basin utilizing a membrane baffle curtain wall*
- *Install (2) anoxic mixers at end of anoxic zone*
- *Install (2) MLR (mixed liquor return) pumps per basin at end of the aeration tank*
- *Install MLR pipes in the aeration basins*
- *Install flow meters on each MLR pipe*
- *Install nitrate probes in select additional anoxic and aeration basin(s) as back-up for Aeration Basin 6 probes.*
- *Relocate existing DO probes in affected aeration basins*
- *Install Ammonium Sulfate feed system to create monochloramine as the disinfectant for THM control*
- *Associated electrical and instrumentation and controls.*

Kimley-Horn designed improvements for 3 of the 4 basins and fast tracked efforts with 90% plans and preliminary engineering report completed within 90 days of NTP. Construction is anticipated to commence in 9/2021 and Kimley-Horn will provide technical services during construction and commissioning services.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Technical Review
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Ft. Myers, FL	(3) ROLE Utility Systems
c.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Wastewater Treatment; Hydraulic Modeling; Pilot Studies
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**4**

21. TITLE AND LOCATION (City and State)

**Utility Standards Updates, Port St. Lucie, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 June 2021

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Port St. Lucie

b. POINT OF CONTACT NAME

Laney Southerly, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

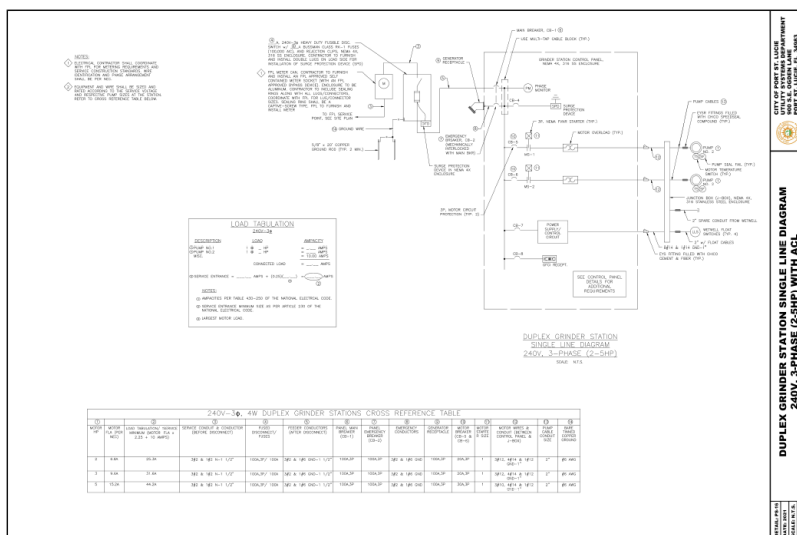
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The City of Port St. Lucie enlisted Kimley-Horn to assist with updating and adding to the existing utility standards manual and standard details used by contractors and developers when constructing components of the City's lift stations and reclaimed water stations. Specifically, these components included grinder lift stations from 2 to 5 horsepower and solids handling lift stations from 10 to 47 horsepower.

Contract value: \$62,942

The review and updates included both mechanical equipment and electrical components of 70 standard details, the corresponding 129-page standards manual, and the qualified products list. Updates included changes to manufacturers, models, sizes, ratings and configuration of various components. The project also included the development of standard design documents that were pre-reviewed by the City's Building Department so applicants could obtain express permits (no turnaround time) using those exact designs without having to modify the design or wait for review for Building Department issuance.

Kimley-Horn provided updated CADD files and the standards manual/qualified product list to the City to adopt and publish to the City website for use by developers, contractors, and other applicants.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Orlando, FL	Program Management
b.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Program Management; Facility assessments; Site Security; Grant Funding
c.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Wastewater Treatment; Hydraulic Modeling; Pilot Studies
d.	Electrical Design Associates, Inc.	Lake Worth, FL	Site Security; Electrical; Plumbing
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**5**

21. TITLE AND LOCATION <i>(City and State)</i> <b>Vero Beach Wastewater Treatment Facility (WWTF) Relocation Study and Preliminary Design Report Vero Beach, FL</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES December 2020	CONSTRUCTION (if applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Vero Beach	b. POINT OF CONTACT NAME Robert J. Bolton, P.E. (Dir. of Water and Sewer)	c. POINT OF CONTACT TELEPHONE NUMBER
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The City of Vero Beach owns and operates a 4.5-MGD (annual average daily flow) wastewater treatment facility (WWTF) located on the Indian River Lagoon. The WWTF was originally constructed in the 1950s and substantially overhauled in the early 1970s. Given its age, the City considers the WWTF to be reaching the end of its useful life and identified the need to either rehabilitate the aging infrastructure in place or pursue relocation options. The City engaged Kimley-Horn to perform a relocation study to determine the condition of the existing facility, identify facility rehabilitation options (in the current location), and evaluate facility relocation options. The project included an assessment of maintaining the conventional activated sludge system (secondary treatment) in the current location and identified areas of the facility that would require upgrades/new construction to replace components that had degraded beyond their useful life. Remaining useful life estimates were provided for components that were deemed to not require immediate replacement.

Contract value: \$51,000

The relocation evaluation included an analysis of advanced treatment options to proactively address anticipated nutrient removal regulations that will likely face the City in the near term (specifically related to nitrogen and phosphorus removal). The assessment also considered the limited available area at the water treatment plant (WTP) site on which to site the new facility. Ultimately, three alternatives were selected for the detailed evaluation:

1. *Conventional activated sludge (CAS) for secondary treatment and biological nutrient reduction*
2. *Membrane bioreactor (MBR) for tertiary treatment, secondary treatment, and biological nutrient reduction*
3. *Sequencing batch reactor (SBR) for secondary treatment and biological nutrient reduction*

Each alternative was evaluated and scored using a weighted evaluation methodology, including both economic and non-economic factors. Ultimately, MBR was selected as the preferred technology. The desire for advanced, tertiary treatment and the overall smallest footprint of the MBR process outweighed the additional cost. The study was completed in May 2019 and was presented to the City council along with a staff recommendation to pursue relocation of the WWTF with MBR as the selected process.

The City subsequently authorized Kimley-Horn to prepare a Preliminary Design Report (PDR) to serve as the basis for permitting and funding opportunities, as well as the basis for the request for qualifications for final design. The PDR included a permitability review, sizing for the new facility (based on historical flows and population projections), biosolids management options, stormwater design considerations, and a conceptual site plan. The PDR was completed in December 2020.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Technical Review; Wastewater Treatment; Program Management; Pilot Studies
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Vero Beach, FL	(3) ROLE Program Management; Facility assessments; Site Security; Grant Funding
c.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Wastewater Treatment; Hydraulic Modeling; Pilot Studies
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT**  
(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY  
NUMBER

**6**

21. TITLE AND LOCATION (City and State)

**Risk and Resiliency Assessment/Emergency Response Plan  
(RRA/ERP), Oviedo, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
June 2021 (RRA); Dec 2021(ERP)

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
City of Oviedo

b. POINT OF CONTACT NAME  
Alexis Stewart, P.E., City Engineer

c. POINT OF CONTACT TELEPHONE NUMBER

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

The City of Oviedo was required to complete a Risk and Resiliency Assessment and subsequent Emergency Response Plan (RRA/ERP) as required by the American Water Infrastructure Act of 2018. Kimley-Horn was retained by the City to facilitate a stakeholder workshop (including representatives from utilities (operations and management), engineering, public works, finance, human resources, customer service, finance, administration, information technology, and the City's third-party SCADA contractor. The resiliency of the system was then evaluated to quantify vulnerabilities related to protection of personal information (personnel and customers), computer systems (both enterprise and process control systems), and the City's physical assets at the water treatment plant (WTP) (including wells and wellfields) out in the distribution system. Kimley-Horn conducted site visits at each asset within the system and subsequently worked with City staff to establish the more abbreviated list of critical assets. Critical assets were those identified as required for the City to meet the minimum metric of peak hour flow (maximum month), plus fire flow at a minimum pressure of 20 psi in the system.

Contract value: \$107,100

The critical assets were then paired with identified applicable threats and each pair was evaluated for a series of risk and consequence factors. Scores were assigned per the American Water Works Association (AWWA) J-100 methodology and the risks were ranked to prioritize the items the City should focus on to improve resiliency.

The RRA report was finalized and Kimley-Horn assisted the City with preparing the required certification of completion for submittal to the EPA. The second phase of the AWWA requirements is the preparation/update of the Emergency Response Plan (ERP), which is intended to develop action plans for the preparation, mitigation, and response and recovery activities (RRAs) to be followed for each potential threat identified. Preparation of the ERP included facilitation of a stakeholder workshop with City staff (similar to those listed above) and expanded to include first responders that would be involved in the response to these threats if successfully executed against the utility. The ERP preparation is in process (as of August 9, 2021) and is required to be certified complete to EPA by the end of calendar year 2021.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Orlando, FL	Program Management; Design and Permitting
b.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Program Management; Facility assessments; Site Security; Grant Funding
c.	Kimley-Horn and Associates, Inc.	Ocala, FL	Vacuum Sewer Systems
d.			

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**7**

21. TITLE AND LOCATION (City and State)

**Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
November 2007

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Vero Beach

b. POINT OF CONTACT NAME

Terry Southard

c. POINT OF CONTACT TELEPHONE NUMBER

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

The project included design, permitting, and construction phase services for Indian River County's (IRC's) master in-line pump station and 8 miles of 24-inch force main transmission piping. The in-line pump station with four (4) pumps was designed to divert wastewater capacity from the South Regional Wastewater Treatment Facility (WWTF) to the City's West Regional WWTF.

As part of the project, the hydraulic model of IRC's force main system was updated and analyzed to determine the required capacity to pump to either treatment facility for both current and future conditions. This project involved the development of a sewer rehabilitation and replacement facilities plan required as part of the application process for a State Revolving Fund (SRF) loan.

Contract value: \$1,504,000



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Design and Permitting; Hydraulic Modeling
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT**  
(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY  
NUMBER

**8**

21. TITLE AND LOCATION (City and State)

**Capital Improvement Projects Update/Water System  
Hydraulic Analysis, Martin County, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
November 2015

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Martin County Utilities

b. POINT OF CONTACT NAME

Jeremy Covey, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

772.221.2353

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

Kimley-Horn developed, calibrated, and analyzed the hydraulic model used to evaluate and plan capital improvement projects for Martin County Utilities Water Distribution System. For this ongoing project, GIS and WaterGEMS (a GIS version of WaterCAD) were used to model the entire Martin County Utilities water distribution system including the water treatment facilities, repump facilities, and distribution infrastructure. Population projections and future land uses were incorporated used to generate buildout demands that were incorporated into the model. They hydraulic model was then used to identify the distribution system capital improvement projects that would be required to meet future potable water demands and fire flow requirements. As part of this analysis, Kimley-Horn worked closely with County staff to identify achievable water system operating scenarios during fire flow events in order to minimize the number of improvements that would required to provide the required fire flow throughout the County.

Contract value: \$65,398

The future potable water demands were also used to develop a phasing plan for uprating the County's water treatment plants and to identify the treatment plant and and raw water supply capital improvements necessary to generate additional potable water. The deliverable for the project was the hydraulic model and a water master plan that included a detailed description and exhibits of all of the recommended distribution treatment and raw water supply improvements and associated opinions of probable costs.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Design and Permitting; Hydraulic Modeling
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**9**

21. TITLE AND LOCATION (City and State)

**Indian River County Water Distribution System Modeling and Master Planning Study, Vero Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
January 2015

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Vero Beach

b. POINT OF CONTACT NAME

John Boyer

c. POINT OF CONTACT TELEPHONE NUMBER

772.226.1823

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

The Kimley-Horn team updated the Indian River County Utilities water system hydraulic model to reflect current Geographic Information System (GIS) data and better represent their current water distribution system configuration. The existing 25-MGD capacity water system model was in an older version of WaterCAD format and was outdated and did not reflect current system configuration. In order to integrate the GIS data into a water system hydraulic model, GIS shapefiles were imported into WaterGEMS to provide a basis for water system hydraulic modeling and planning. With Kimley-Horn's extensive water modeling experience, our team has provided an updated water system model using two water supply sources, along with three remote elevated storage tanks.

Contract value: \$24,700

The scope of services included identification of the study area, GIS map preparation, use of the ModelBuilder feature of WaterGEMS to create a hydraulic model network of the existing water distribution system, review of MOR data to develop unit flow rates, review of elevated storage and repump operations, determination of peak flow and fire flow factors, use of LoadBuilder (WaterGEMS) for various types of land uses, comparison of developed metrics to meter readings/data, and incorporate of physical hydraulic features into model. The model developed consisted of existing pipes six inches in diameter and larger, junctions associated with pipes and GIS shape files, tanks (ground storage and elevated), and various valves and hydrants.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Design and Permitting; Hydraulic Modeling
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE



**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified.  
 Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

**10**

21. TITLE AND LOCATION (City and State)

**Vero Beach Water and Sewer Department Potable Ground Storage Tank, Vero Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
Ongoing

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Vero Beach

b. POINT OF CONTACT NAME

Robert J. Bolton, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

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

Kimley-Horn served as the design lead for the addition of a new 2-million-gallon (MG) ground storage tank for the potable water system. The tank was proposed to replace an existing 1.0-MG tank that was beginning to have structural issues and to add an additional 1.0 MG of total storage. The project involved coordinating the piping of the new tank with two existing tanks so that all three tanks are able to serve the co-located membrane and lime softening water treatment plants. The scope of the project included coordination with potential tank manufacturers, electrical and instrumentation integration, and construction sequencing. Construction is anticipated to commence in the fourth quarter of 2021.

Contract value: \$92,190



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Program Management; Facility assessments; Site Security; Grant Funding
b.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Wastewater Treatment; Hydraulic Modeling; Pilot Studies; Design and Permitting
c.	Kimley-Horn and Associates, Inc.	Orlando, FL	Wastewater Treatment
d.			

**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
Lance R. Littrell, P.E.	Project Manager, Program Management, Pilot Studies	X	X		X	X	X				
Jill Grimaldi, BCES	Deputy Project Manager, Program Management, Facility Assessments, Site Security & Access Controls, Grant Funding	X	X		X	X	X				X
Joseph Greeley, P.E.	Senior Technical Reviewer										
Rhea J. Dorris, P.E.	Utility Systems Administration Planning and Studies, Design and Permitting and Water Treatment Facility and Pump Stations	X	X								
Jason R. Lee, P.E.	Design and Permitting and Water Treatment Facility and Pump Stations		X					X		X	
Mark D. Miller, P.E.	Design and Permitting and Water Treatment Facility and Pump Stations							X	X	X	X
Gina Parra, E.I.	Design and Permitting and Water Treatment Facility and Pump Stations, Vacuum Sewer Systems	X						X			
Matthew M. Tebow, P.E.	Wastewater Treatment Facility Construction and Pump Stations, Hydraulic Modeling, Pilot Studies			X		X					X
Andrea Carpenter, P.E.	Construction Inspector, Water Distribution/Wastewater Collection										
James C. Farrell	Construction Inspector										
Thomas C. Jensen, P.E.	Facility Assessments, Water Distribution/Wastewater Collection, Stormwater		X					X			
Fannie H. Howard, P.E.	Water Distribution/Wastewater Collection, Hydraulic Modeling							X	X	X	
Alan J. Garri, P.E.	Vacuum Sewer Systems										
Jason C. Sheasley, P.G.	CUP Permitting and Hydrogeology										
Angelina Fairchild, P.E., LEED AP	Structural										
Allison Megrath, AICP, CNU-A	Grant Funding										
Peter M. Syntax, LEED AP	Electrical/Controls/Instruments/Plumbing										
Justin Saarinen, GISP	GIS										
Shelby Oenbrink, WPIT	Environmental										

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (From Section F)	NO.	TITLE OF EXAMPLE PROJECT (From Section F)
1	Reverse Osmosis (RO) Membrane Study and Replacement at RO Water Treatment Plant (WTP), Port St. Lucie, FL	6	Risk and Resiliency Assessment/Emergency Response Plan (RRA/ERP), Oviedo, FL
2	Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3, Port St. Lucie, FL	7	Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL
3	Bee Ridge Water Reclamation Facility (WRF) Septage Receiving Improvements, Sarasota County, FL	8	Capital Improvement Projects Update/Water System Hydraulic Analysis, Martin County, FL
4	Utility Standards Updates, Port St. Lucie, FL	9	Indian River County Water Distribution System Modeling and Master Planning Study, Vero Beach, FL
5	Vero Beach Wastewater Treatment Facility (WWTF) Relocation Study and Preliminary Design Report	10	Vero Beach Water and Sewer Department Potable Ground Storage Tank, Vero Beach, FL

## H. ADDITIONAL INFORMATION

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

Now, more than ever, utilities are faced with several business challenges with maintaining infrastructure, expanding asset life, securing safe and reliable water supply, while balancing the impacts of severe weather events. Utilities are being asked to do more with less and need to address the increasing demand for staff productivity and effectiveness to meet the increasingly stringent regulations while also meeting stakeholder and customer expectations. Kimley-Horn has been a partner to the City of Port St. Lucie in the past and welcomes the opportunity to offer our services again for the City's Continuing Engineering Services for Utilities Projects eRFP 20210093.

### The Kimley-Horn Advantage

**Dedicated Project Manager and Deputy Project Manager** who understands the importance of responsiveness, as well as the technical expertise to handle every aspect of any task order issued.

**Expertise with on-call contracts** for Florida municipalities, counties, and institutions. On-call contracts require a different approach from typical project-specific contracts. We recognize that each project has its own expectations that need to be tailored to the City's needs and expectations.

**Client mindset** because we have served the City on past projects, making us keenly aware of your expectations and how we can best offer our skills and expertise. Kimley-Horn thinks and acts as an extension of the City's staff.

**Experience serving the City on past utility projects**, including the Northport (Glades Cut Off Road) 24-inch Force Main Extension Phase 3 and Reverse Osmosis (RO) Membrane Study and Replacement at the RO Water Treatment Plant (WTP). The City's staff, specifically John Eason and David Garland, has experienced first-hand the expertise and level of service this team has provided on the development of design plans for the Northport (Glades Cut Off Road) 24-inch Force Main Phase 3 Project. This project commenced with the kick-off meeting on May 8, 2020, when the Kimley-Horn team was working virtually. The team never missed a beat in spite of the unusual work from home atmosphere, meeting the City's 30%, 60%, and 90% design submittals on time. All of the reviews generated very little, if any comments from the City, demonstrating that the team fully understood the scope of the project and the City's requirements.

The 100% submittal for the City of Port St. Lucie's force main project has been completed and is ready for the City to commence with construction upon finalization of their coordination with some local developers in the area on the extension of Commerce Centre Drive. For this raw water main project, we will be using the same design team, so all parties are already aware of the City's expectations. We are able to immediately jump in and exceed the City's expectations for this new pipeline project

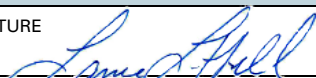
**Focus on innovative project concepts.** Kimley-Horn has a long history of providing successful, innovative, and cost-efficient solutions and takes pride in thinking beyond preconceived notions to develop innovative solutions that exceed the expectations of our clients. We think big picture and outside the box and always look for better and more creative ways to do our jobs and provide ideas to enhance or improve our initiatives. We don't necessarily follow the crowd and use every new technique simply because it's the "in thing" to do. Our professional team evaluates emerging technology and applies it where it can benefit our projects.

**Dedicated and responsive team** committed to our team management philosophy comprised of teamwork, communication, competence, and integrity. We look forward to serving the City providing our professional services to support your commitment to providing high-quality utility services to your customers.

## I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

8/16/2021

33. NAME AND TITLE

Lance Litrell, P.E., Project Manager



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)  
eRFP # 20210093

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Kimley-Horn and Associates, Inc.		3. YEAR ESTABLISHED 1980	5. UNIQUE ENTITY IDENTIFIER 061099131
2b. STREET 189 South Orange Avenue, Ste. 1000		5. OWNERSHIP	
2c. CITY Orlando		2d. STATE FL	2e. ZIP CODE 32801
6a. POINT OF CONTACT NAME AND TITLE Ryan Wetherell, P.E., Vice President		a. TYPE Corporation	
6b. TELEPHONE NUMBER 407.789.2225		6c. E-MAIL ADDRESS Ryan.wetherell@kimley-horn.com	
8a. FORMER FIRM NAME(S) (if any)		7. NAME OF FIRM (if block 2a is a branch office) APHC, Inc.	
		8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
62	Water Resources Engineers	91	1
02	Administrative	316	27
08	CADD Technicians	172	4
12	Civil Engineers	1862	80
63	Design Technicians	96	4
67	Environmental Planners	28	0
30	Geologists	3	0
66	Graphic Designers	63	2
39	Landscape Architects	161	5
42	Mechanical Engineers	21	1
47	Planners: Urban/Regional	105	3
48	Project Managers	151	6
57	Structural Engineers	82	2
65	Technical Support	685	24
64	Technical Writers	141	18
58	Technician/Analysts	850	22
60	Transportation Engineers	349	7
	Other Employees	183	0
<b>Total</b>		<b>5359</b>	<b>206</b>

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

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
B02	Bridge Design	1
A05	Airports; Nav aids; Airport Lighting; Aircraft	6
A06	Airports; Terminals; & Hangars; Freight	6
C10	Commercial Building; (low rise); Shopping	6
E02	Educational Facilities; Classrooms	3
F05	Forensic Engineering	4
H07	Highways; Streets; Airfield Paving; Parking	6
H09	Hospitals & Medical Facilities	3
H10	Hotels; Motels	4
H11	Housing (Residential, Multifamily,	6
L03	Landscape Architecture	3
O01	Office Building; Industrial Parks	4
P05	Planning (Community; Regional; Areawide &	2
P12	Power Generation, Transmission,	2
R03	Railroad and Rapid Transit	2
R04	Recreational Facilities (Parks; Marinas; etc.)	5
S04	Sewage Collection, Treatment & Disposal	4
S13	Stormwater Handling & Facilities	1
T03	Traffic & Transportation Engineering	6
U02	Urban Renewals; Community Development	5
W02	Water Resources; Hydrology; Ground Water	3
W03	Water Supply; Treatment and Distribution	5

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


a. Federal Work	1
b. Non-Federal Work	9
<b>c. Total Work</b>	<b>9</b>

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

### 12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE 	c. DATE 8/16/2021
c. NAME AND TITLE Ryan Wetherell, P.E., Vice President	



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)  
eRFP # 20210093

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Kimley-Horn and Associates, Inc.			3. YEAR ESTABLISHED 2000		7. UNIQUE ENTITY IDENTIFIER 061099131	
2b. STREET 101 East Silver Springs Boulevard, Suite 400			5. OWNERSHIP			
2c. CITY Ocala			2d. STATE FL	2e. ZIP CODE 34470		
6a. POINT OF CONTACT NAME AND TITLE Rick Busche, P.E., Principal			a. TYPE Corporation			
6b. TELEPHONE NUMBER 352.438.3028			6c. E-MAIL ADDRESS richard.busche@kimley-horn.com			
6a. POINT OF CONTACT NAME AND TITLE (continued)			b. SMALL BUSINESS STATUS No			
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER	

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	316	2
08	CADD Technicians	172	4
12	Civil Engineers	1862	14
63	Design Technicians	96	3
42	Mechanical Engineers	21	1
47	Planners: Urban/Regional	105	0
48	Project Managers	151	1
57	Structural Engineers	82	0
65	Technical Support	685	4
58	Technician/Analysts	850	5
60	Transportation Engineers	349	2
	Other Employees	670	1
	<b>Total</b>	<b>5359</b>	<b>37</b>

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
B02	Bridge Design	2
C08	Codes; Standards; Ordinances	1
C10	Commercial Building; (low rise); Shopping	3
C11	Community Facilities	1
E09	Environmental Impact Studies, Assessments	1
G01	Garages; Vehicle Maintenance Facilities;	1
H07	Highways; Streets; Airfield Paving; Parking	5
H09	Hospitals & Medical Facilities	1
H11	Housing (Residential, Multifamily,	5
L03	Landscape Architecture	3
O01	Office Building; Industrial Parks	2
P05	Planning (Community; Regional; Areawide &	1
P08	Prisons & Correctional Facilities	1
R04	Recreational Facilities (Parks; Marinas; etc.)	2
S04	Sewage Collection, Treatment & Disposal	5
S13	Stormwater Handling & Facilities	2
S09	Structural Design; Special Structures	1
S10	Surveying; Platting; Mapping; Flood Plain	1
T03	Traffic & Transportation Engineering	3
U02	Urban Renewals; Community Development	3
W02	Water Resources; Hydrology; Ground Water	3
W03	Water Supply, Treat, Distrib	4

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

a. Federal Work	1
b. Non-Federal Work	7
<b>c. Total Work</b>	<b>7</b>

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 	e. DATE 8/16/2021
c. NAME AND TITLE Rick Busche, P.E., Principal	







# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)  
eRFP # 20210093

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Kimley-Horn and Associates, Inc.			3. YEAR ESTABLISHED 1968	10. UNIQUE ENTITY IDENTIFIER 061099131
2b. STREET 1920 Wekiva Way, Suite 200			5. OWNERSHIP	
2c. CITY West Palm Beach			a. TYPE Corporation	
2d. STATE FL	2e. ZIP CODE 33411		b. SMALL BUSINESS STATUS No	
6a. POINT OF CONTACT NAME AND TITLE Kevin Schanen, P.E., Senior Vice President			7. NAME OF FIRM (If block 2a is a branch office) APHC, Inc.	
6b. TELEPHONE NUMBER 561.840.0820		6c. E-MAIL ADDRESS kevin.schanen@kimley-horn.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	316	27
08	CADD Technicians	172	3
12	Civil Engineers	1862	42
13	Communications Engineers	30	1
15	Construction Inspectors	15	3
63	Design Technicians	96	4
19	Ecologists	1	1
23	Environmental Engineers	9	1
26	Forensic Engineers	3	1
66	Graphic Designers	63	5
39	Landscape Architects	161	3
42	Mechanical Engineers	21	4
47	Planners: Urban/Regional	105	1
48	Project Managers	151	7
57	Structural Engineers	82	2
65	Technical Support	685	18
64	Technical Writers	141	10
58	Technician/Analysts	850	22
60	Transportation Engineers	349	6
62	Water Resources Engineers	91	5
	Other Employees	156	0
<b>Total</b>		<b>5359</b>	<b>166</b>

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

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A05	Airports; Nav aids; Airport Lighting; Aircraft	2
B02	Bridge Design	3
C12	Communications Systems; TV; Microwave	5
D04	Design-Build - Preparation of Requests for	2
E07	Energy Conservation; New Energy Sources	2
E09	Environmental Impact Studies, Assessments	2
F05	Forensic Engineering	6
G02	Gas Systems (Propane, Natural, etc.)	2
H07	Highways; Streets; Airfield Paving; Parking	7
H09	Hospitals & Medical Facilities	3
I04	Intelligent Transportation Systems	3
L03	Landscape Architecture	4
O01	Office Building; Industrial Parks	2
P05	Planning (Community; Regional; Areawide &	3
P12	Power Generation, Transmission,	5
R04	Recreational Facilities (Parks; Marinas; etc.)	3
R13	Roadway Design	2
S04	Sewage Collection, Treatment & Disposal	5
S13	Stormwater Handling & Facilities	2
T03	Traffic & Transportation Engineering	6
W02	Water Resources; Hydrology; Ground Water	4
W03	Water Supply; Treatment and Distribution	6

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

a. Federal Work	3
b. Non-Federal Work	9
<b>c. Total Work</b>	<b>9</b>

### 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 	h. DATE 8/16/21
c. NAME AND TITLE Kevin Schanen, P.E., Senior Vice President	

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)  
eRFP # 20210093

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Kimley-Horn and Associates, Inc.			3. YEAR ESTABLISHED 1986	11. UNIQUE ENTITY IDENTIFIER 061099131
2b. STREET 7740 North 16th Street, Suite 300			5. OWNERSHIP	
2c. CITY Phoenix			a. TYPE Corporation	
2d. STATE AZ		2e. ZIP CODE 85020		
6a. POINT OF CONTACT NAME AND TITLE Lisa Noon, Assistant Secretary			b. SMALL BUSINESS STATUS No	
6b. TELEPHONE NUMBER 602.906.1355		6c. E-MAIL ADDRESS lisa.noon@kimley-horn.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
66	Graphic Designers	63	5
65	Technical Support	684	11
63	Design Technicians	96	5
14	Computer Programmers	9	4
47	Planners: Urban/Regional	105	1
32	Hydraulic Engineers	19	1
24	Environmental Scientists	47	3
39	Landscape Architects	161	7
62	Water Resources Engineers	91	6
64	Technical Writers	141	14
02	Administrative	316	29
08	CADD Technicians	172	3
12	Civil Engineers	1863	51
13	Communications Engineers	30	7
21	Electrical Engineers	20	4
48	Project Managers	151	6
57	Structural Engineers	82	3
58	Technician/Analysts	850	47
60	Transportation Engineers	349	4
	Other Employees	110	1
<b>Total</b>		<b>5359</b>	<b>212</b>

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

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
S13	Stormwater Handling & Facilities	3
U02	Urban Renewals; Community Development	2
W03	Water Supply; Treatment and Distribution	2
R03	Railroad and Rapid Transit	3
H11	Housing (Residential, Multifamily,	5
G01	Garages; Vehicle Maintenance Facilities;	2
P05	Planning (Community; Regional; Areawide &	2
R04	Recreational Facilities (Parks; Marinas; etc.)	4
H09	Hospitals & Medical Facilities	4
P12	Power Generation, Transmission,	3
C12	Communications Systems; TV; Microwave	2
D04	Design-Build - Preparation of Requests for	4
A05	Airports; Nav aids; Airport Lighting; Aircraft	6
B02	Bridge Design	4
A06	Airports; Terminals; & Hangars; Freight	2
C10	Commercial Building; (low rise); Shopping	5
H07	Highways; Streets; Airfield Paving; Parking	7
I04	Intelligent Transportation Systems	6
L03	Landscape Architecture	5
O01	Office Building; Industrial Parks	4
P06	Planning (Site, Installation and Project)	3
T03	Traffic & Transportation Engineering	5

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

a. Federal Work	1
b. Non-Federal Work	9
<b>c. Total Work</b>	<b>9</b>

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	i. DATE
	8/16/2021
c. NAME AND TITLE	
Lisa Noon, Assistant Secretary	

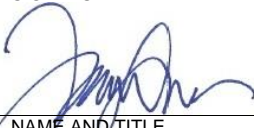




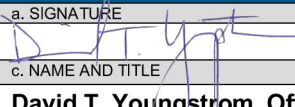
<b>ARCHITECT – ENGINEER QUALIFICATIONS</b>			1. SOLICITATION NUMBER <i>(If any)</i>	
<b>PART II – GENERAL QUALIFICATIONS</b> <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>				
2a. FIRM (OR BRANCH OFFICE) NAME JLA Geosciences, Inc.		3. YEAR ESTABLISHED 2003		4. DUNS NUMBER 92-748-0447
2b. STREET 1907 Commerce Lane, Suite 104		5. OWNERSHIP		
2c. CITY Jupiter		2d. STATE FL	2e. ZIP CODE 33458	
6a. POINT OF CONTACT NAME AND TITLE James L. Andersen, P.G., Principal Hydrogeologist		a. TYPE Corporation		
6b. TELEPHONE NUMBER 561 746 0228		b. SMALL BUSINESS STATUS SBE		
6c. E-MAIL ADDRESS jandersen@jlageosciences.com		7. NAME OF FIRM <i>(If block 2a is a branch office)</i>		
8a. FORMER FIRM NAME(S) <i>(If any)</i>		8b. YR. ESTABLISHED		8c. DUNS NUMBER
N/A				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
30	Geologist	14		W02	Water Resources, Hydrogeology, Groundwater	5
02	Administrative	1				
	Other Employees	0				
<b>Total</b>		15				

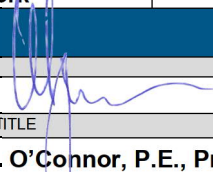
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work		1. Less than \$100,000		6. \$2 million to less than \$5 million	
b. Non-Federal Work	5	2. \$100,000 to less than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

<b>12. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 8/11/2021
c. NAME AND TITLE James L. Andersen, P.G., President/Principal Hydrogeologist	



ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (If any)		
				eRFP (Event) Number: 20210093		
PART II – GENERAL QUALIFICATIONS						
(If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (or Branch Office) NAME			3. YEAR ESTABLISHED		4. UNIQUE ENTITY IDENTIFIER	
Terracon Consultants, Inc.			2013		931835417	
2b. STREET			5. OWNERSHIP			
645 NW Enterprise Dr., Suite 107			a. TYPE			
			Corporation			
2c. CITY		2d. STATE	2e. ZIP CODE		b. SMALL BUSINESS STATUS	
Port St. Lucie		FL	34986		N/A	
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (If block 2a is a Branch Office)			
David T. Youngstrom, Office Manager			Terracon Consultants, Inc.			
			(Est. 1965, DUNS No. 613569961)			
6b. TELEPHONE NUMBER		6c. E-MAIL ADDRESS				
(772) 343 9787		Dave.Youngstrom@terracon.com				
8a. FORMER FIRM NAME(S) (if any)			8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER	
Dunkelberger Engineering & Testing, Inc.			1994		931835417	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	564	1	A06	Airports	9
05	Archaeologist	34		B02	Bridges	8
06	Architect	20		C06	Churches	6
07	Biologist	42		C10	Commercial Building Retail (Low Rise)	10
08	CADD Technician	37		D01, D02	Dams, Dikes, Levees	7
12	Civil Engineer	80		E02	Educational; Classrooms	9
14	Computer Programmer/IT	70		E07	Energy Conservation; Renewable Energy	9
15	Construction Inspector	211		E09	EIS; Assessments	8
23	Environmental Engineer	110		E12, HO03	Env. Remediation, HTRW	9
24	Environmental Scientist	401		H07	Highways; Streets; Parking	10
26	Forensic (Building Diagnostic) Engr	23		H09	Medical Facilities	9
27/55	Foundation/Geotechnical/Soils Engr	424		H10	Hotels; Motels	8
29	Geographic Info. Systems	10		H11	Multi-Family Housing	9
30	Geologist	257		I01, W01	Industrial; Manufacturing; Warehouse; Depots	10
36	Industrial Hygienist & Safety Specialist	110		O01	Office Buildings	9
40	Construction Materials/Pavement Engr	103		P04	Pipelines	9
48	Project Manager	497	2	P12	Power Gen., Transmission, Distribution	9
58	Technician (Field & Testing Lab)	1700	6	R03	Railroad; Rapid Transit	7
	Driller	209		R12	Roofing	4
	Bldg Enclosure/Roofing Consultants/ Bldg Commissioning	59		S03	Seismic Designs and Studies	3
	Structural Steel Inspector	76		S05	Soils/Geologic Studies; Foundations	10
	Geophysicist	15		S07	Solid Waste Facilities	8
	Certified Commercial Diver	4		S13	Storm Water	6
				T02	Testing and Inspection Services	10
	Other Employees	104		W02	Water Resources; Hydrology; Groundwater	6
<b>Total</b>		<b>5160</b>	<b>9</b>	<b>W03</b>	<b>Water Supply, Treatment; Distribution</b>	<b>7</b>
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	8	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						
a. SIGNATURE						b. DATE
						August 2, 2021
c. NAME AND TITLE						
David T. Youngstrom, Office Manager						



ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (If any)		
				eRFP (Event) Number: 20210093		
PART II – GENERAL QUALIFICATIONS						
(If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (or Branch Office) NAME			3. YEAR ESTABLISHED		4. UNIQUE ENTITY IDENTIFIER	
Terracon Consultants, Inc.			2013		931493233	
2b. STREET			5. OWNERSHIP			
1225 Omar Road			a. TYPE			
			Corporation			
2c. CITY		2d. STATE	2e. ZIP CODE		b. SMALL BUSINESS STATUS	
West Palm Beach		FL	33405		N/A	
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (if block 2a is a Branch Office)			
Michael J. O'Connor, P.E., Principal and Office Manager			Terracon Consultants, Inc.			
6b. TELEPHONE NUMBER		6c. E-MAIL ADDRESS		Terracon Consultants, Inc. (Est. 1965, DUNS No. 613569961)		
(561) 689 4299		Mike.OConnor@terracon.com				
8a. FORMER FIRM NAME(S) (if any)			8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER	
Dunkelberger Engineering & Testing, Inc.			1995		931493233	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	564	2	A06	Airports	9
05	Archaeologist	34		B02	Bridges	8
06	Architect	20		C06	Churches	6
07	Biologist	42		C10	Commercial Building Retail (Low Rise)	10
08	CADD Technician	37		D01, D02	Dams, Dikes, Levees	7
12	Civil Engineer	80		E02	Educational; Classrooms	9
14	Computer Programmer/IT	70		E07	Energy Conservation; Renewable Energy	9
15	Construction Inspector	211	2	E09	EIS; Assessments	8
23	Environmental Engineer	110	1	E12, HO03	Env. Remediation, HTRW	9
24	Environmental Scientist	401	2	H07	Highways; Streets; Parking	10
26	Forensic (Building Diagnostic) Engr	23		H09	Medical Facilities	9
27/55	Foundation/Geotechnical/Soils Engr	424	3	H10	Hotels; Motels	8
29	Geographic Info. Systems	10		H11	Multi-Family Housing	9
30	Geologist	257		I01, W01	Industrial; Manufacturing; Warehouse; Depots	10
36	Industrial Hygienist & Safety Specialist	110		O01	Office Buildings	9
40	Construction Materials/Pavement Engr	103	1	P04	Pipelines	9
48	Project Manager	497	1	P12	Power Gen., Transmission, Distribution	9
58	Technician (Field & Testing Lab)	1700	12	R03	Railroad; Rapid Transit	7
	Driller	209		R12	Roofing	4
	Bldg Enclosure/Roofing Consultants/ Bldg Commissioning	59		S03	Seismic Designs and Studies	3
	Structural Steel Inspector	76		S05	Soils/Geologic Studies; Foundations	10
	Geophysicist	15		S07	Solid Waste Facilities	8
	Certified Commercial Diver	4		S13	Storm Water	6
				T02	Testing and Inspection Services	10
	Other Employees	104		W02	Water Resources; Hydrology; Groundwater	6
<b>Total</b>		<b>5160</b>	<b>24</b>	<b>W03</b>	<b>Water Supply, Treatment; Distribution</b>	<b>7</b>
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	8	Less than \$100,000		\$2 million to less than \$5 million		
b. Non-Federal Work	10	\$100,000 to less than \$250,000		\$5 million to less than \$10 million		
c. Total Work	10	\$250,000 to less than \$500,000		\$10 million to less than \$25 million		
		\$500,000 to less than \$1 million		\$25 million to less than \$50 million		
		\$1 million to less than \$2 million		\$50 million or greater		
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE				b. DATE		
				August 2, 2021		
c. NAME AND TITLE						
Michael J. O'Connor, P.E., Principal and Office Manager						



*eRFP (Event) Number: 20210093*  
*August 16, 2021*

# Port St. Lucie

## Continuing Engineering Services for Utility Projects



IWOC32017.2021o



*Prepared for:*  
City of  
**Port St. Lucie**

*Prepared by:*  
**Kimley»»Horn**  
Expect More. Experience Better.

# Port St. Lucie

## Continuing Engineering Services for Utility Projects

### Cover Letter

August 16, 2021

via DemandStar

Jason Bezak, CPPB, Procurement Agent II  
City of Port St. Lucie  
Procurement Management Department  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099

Kimley-Horn and Associates, Inc.  
445 24th Street, Suite 200  
Vero Beach, FL 32960  
772.794.4100  
kimley-horn.com

#### Re: Continuing Engineering Services for Utility Projects; eRFP (Event) Number: 20210093

Dear Mr. Bezak and Members of the Selection Committee:

Kimley-Horn is very pleased to submit our qualifications to provide Continuing Engineering Services for Utilities Projects eRFP (Event) Number: 20210093. The City of Port St. Lucie has led the industry in treatment and utility standards for decades. While keeping pace with being the fastest growing City in the mid-2000's and during the downturn and stale growth times of the previous recession and impact of COVID-19, the City has adapted to the Utility customers' demands with efficient processes and quick expansions to match uncharted growth. Kimley-Horn has assembled a team of talented individuals who have served your staff through each of these unprecedented times. Our expertise is characterized by technical excellence, experience in the broad range of services that will be required by the City, and extensive, unmatched responsiveness to our clients with similar projects.

Kimley-Horn's staff, most of whom are very familiar to the City, have had the opportunity to serve the City of Port St. Lucie for the last two decades and worked closely with your engineering and operations staff to deliver similar projects within your past capital plans. Our team has the experience of providing the City with personalized and responsive assistance with engineering services for water and wastewater utilities projects, as well as operational insight into the City's challenges. Our team members have been selected to provide familiar experts in the disciplines of service that you have outlined in eRFQ 20210093. We believe our team offers the following separators for this project:

**Uniquely qualified project manager and deputy project manager.** As your Project Manager with prior experience on all the City's treatment plants and multiple similar projects for the City and more than 20 years working with the City, **Lance Littrell P.E.** has a strong personal passion and commitment to continue serving the City. With 20 years of post-graduate experience successfully delivering water utility projects throughout Florida, his experience includes evaluations, planning, design, construction, and operator training. In addition to installing trains at Prineville and JEA Treatment Facilities, Lance brings more than 10 miles of City pipelines and pump station project experience to this contract. Deputy Project Manager **Jill Grimaldi, BCES** has 21 years of water supply planning, water/wastewater permitting, groundwater well rehabilitation, wellfield management planning, wastewater sludge processing, injection well mechanical integrity testing, compliance inspections, grant funding assistance and code/ordinance development experience.

**Responsiveness of staff and firm.** Kimley-Horn's Vero Beach office, located less than 30 miles from the City's offices, will serve as the primary office for this contract. As our staff have done for decades, Kimley-Horn is committed to working as your partner, offering you the most effective level of communication to relay project issues, progress, and results that best serve your needs. We have the expertise to rapidly respond to the City's

# Port St. Lucie

## Continuing Engineering Services for Utility Projects

needs and the ability to draw on additional statewide and even national resources, if needed, especially from Kimley-Horn's supporting Orlando and West Palm Beach offices. Kimley-Horn offers the City of Port St. Lucie the best of both worlds—the resources of a large, nationally-ranked firm and the personal attention of a small dedicated professional team.

**Minimal learning curve.** Kimley-Horn is very familiar with all of the City's treatment facilities, historical knowledge and understanding of the treatment process, as well as your successful operations team. Kimley-Horn staff members' work in the City of Port St. Lucie has resulted in strong working relationships with all the City's key staff.

**A team you can count on.** Kimley-Horn has a reputation for client service that is unmatched, and we offer a team of experts who can assist you on a broad range of assignments. It is our commitment to the City of Port St. Lucie that we will provide creative, technical solutions coupled with exceptional client service on this important continuing engineering services contract. At Kimley-Horn, we have high expectations of our staff to serve you on this contract. We are focused on short-term impacts to operations with the fervor and devotion to establishing a long-term relationship founded on trust, respect, and teamwork. We look forward to working with you.

In accordance with Section 4.1 of the eRFP, Kimley-Horn acknowledges our willingness and ability to satisfy the requirements in the appropriate worksheets included in the eRFP.

Sincerely,

**KIMLEY-HORN**



Lance Littrell, P.E.  
Project Manager  
lance.littrell@kimley-horn.com



Jill Grimaldi, BCES  
Deputy Project Manager  
jill.grimaldi@kimley-horn.com

**Note: Kimley-Horn acknowledges receipt of Addendum #1, dated July 23, 2021; Addendum #2, dated July 27, 2021; Addendum #3, dated July 29, 2021; and Addendum #4, dated August 6, 2021.**

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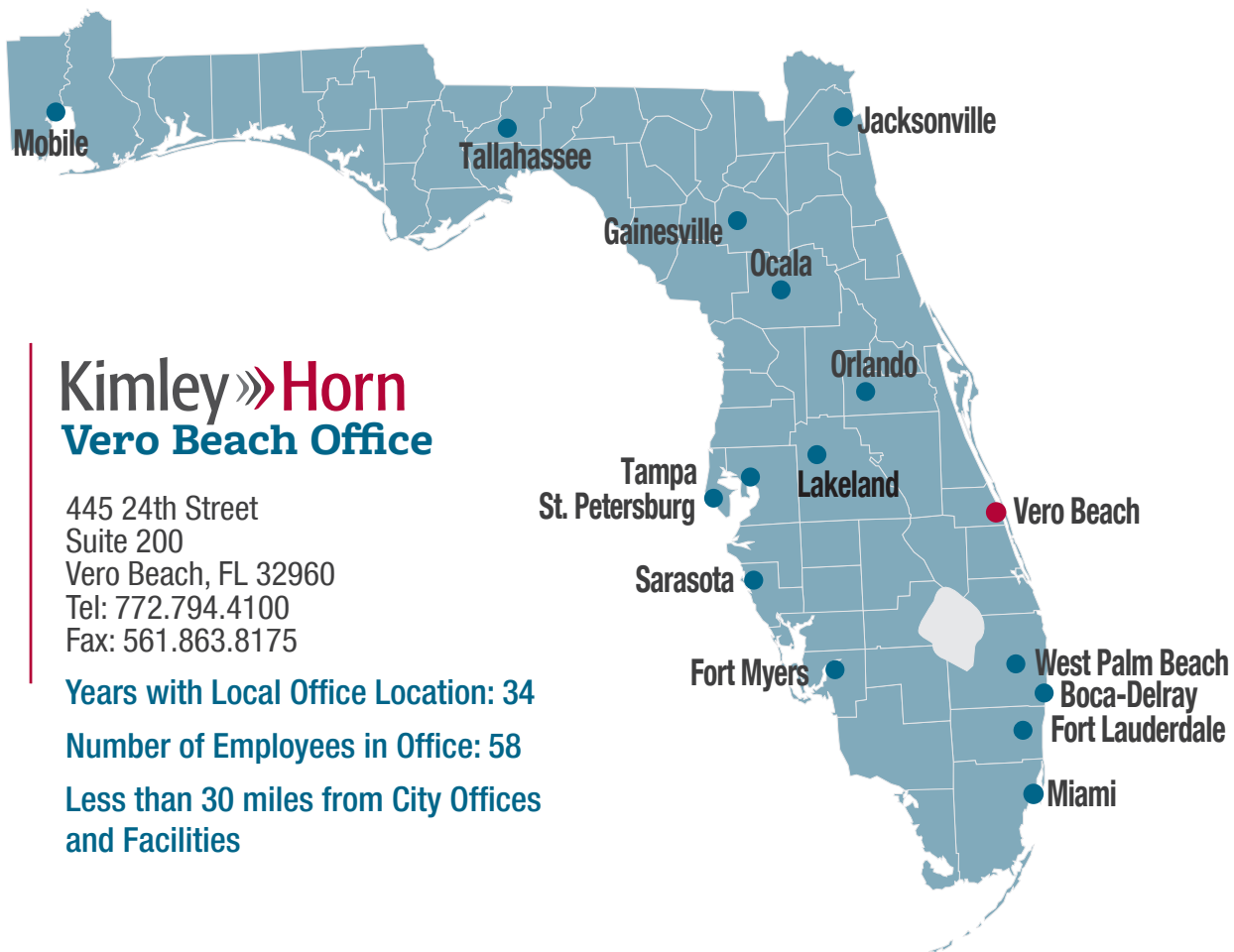
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# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 1. Proposer's Location

Kimley-Horn will be serving the City of Port St. Lucie for this contract from our Vero Beach headquarters with support from our Orlando, Jacksonville, Ocala, Fort Myers, West Palm Beach, Gainesville, and Phoenix offices.



Additionally, our subconsultant partners are located in Port St. Lucie (**Terracon**), Lake Worth (**EDA**), Jupiter (**JLA Geosciences and McNabb**), and Vero Beach (**William B. Zentz & Associates, Inc.**).

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 2. Woman/Veteran/Minority Owned Business

Kimley-Horn is not a woman/veteran/minority owned business: however, we always look for opportunities to include MBE-certified businesses in our contracts and through teaming agreements. Our subconsultant **Electrical Design Associates, Inc.** is Woman-owned and Minority Business Certified by the state of Florida.



# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 3. Executive Summary

Kimley-Horn is a full-service, multidisciplinary consulting firm offering a diverse array of planning, engineering, landscape architecture, and environmental services to our public sector clients. We bring the City of Port St. Lucie the experience of a large, national firm with the convenience of a local team. Our local staff is supported by more than 950 employees in 16 offices in our Florida region, and more than 5,300 employees nationwide. Kimley-Horn's Vero Beach office will serve as the primary office for this contract, with project management and engineering support to be provided from our West Palm Beach and Orlando offices.

**With 54 years of experience, Kimley-Horn's staff includes many former municipal engineers and planners who have been on our clients' side of the table and are familiar with local government procedures.** To complement the City's goals and objectives, you need a partner you can trust that provides a bench of professional resources capable of putting your vision into action. You

need not only innovative and outside the box thinkers, but the capacity to support operational decisions as well as capital improvement projects. Kimley-Horn's core competencies allow us to provide the majority of the requested services in-house; however, we have assembled a comprehensive team to provide the City with turn-key project expertise. We have engaged geotechnical engineering (**Terracon Consultants, Inc.**), hydrogeological (**JLA Geosciences Inc. and McNabb Hydrogeologic Consulting, Inc.**), electrical engineering (**Electrical Design Associates, Inc.**) and survey (**Bill B. Zentz and Associates, Inc.**) experts to round out our team and provide the highest level of service to the City. Many of these subconsultants have worked with or directly for the City over the years. Our staff has past experience working with each of these subconsultants and stand ready to provide seamless project delivery to the City. Additional subconsultants can be added on a project-by-project basis, if an unlisted specialty is required to perform the services.

## Project Management



**National Presence,  
Local Team**



**Strong Core  
Competencies**

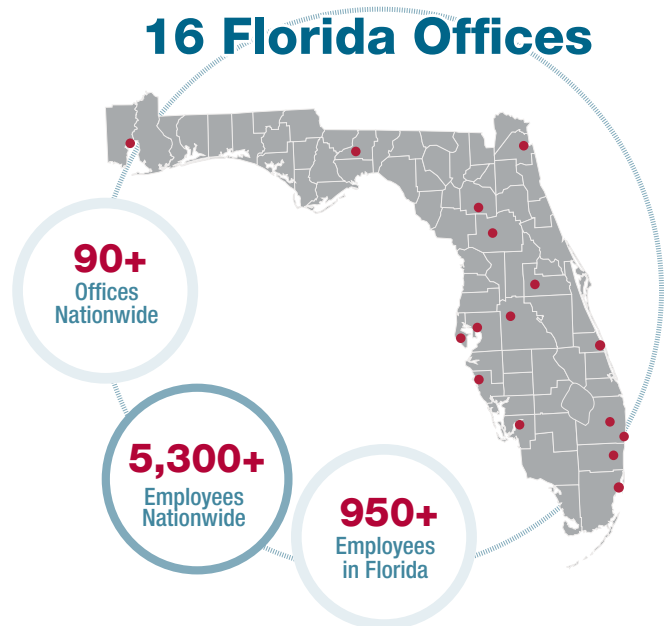


**Trusted  
Subconsultants**



**Commitment  
to Quality**

Our proposed Project Manager, **Lance Littrell, P.E.**, has served the City for 20 years and will work closely with our proposed Deputy Project Manager, **Jill Grimaldi, BCES**, to provide the City with a management team that provides institutional knowledge, technical expertise and local accessibility and responsiveness. Our local, Vero Beach office is located just 25 miles from the City's primary utility offices. Our project management plan



# Port St. Lucie

Continuing Engineering Services for Utility Projects

is centered on the combined efforts of our project management team and the City staff. We recognize that a teamwork-based approach is crucial to successfully serve the City and exceed your expectations on each assignment. Each project assignment will be considered individually based on the City's needs and a project team will be assigned to align the project objectives with the proper technical abilities and specialties.

Our approach to project management is characterized by the following proven philosophies and policies, which are ingrained in Kimley-Horn's culture:

- Develop a clear understanding of the City's vision for the project
- Develop a comprehensive work plan and schedule to accomplish the project
- Set milestones that support the schedule delivery
- Production management for milestone delivery and staffing and needs
- Communicate with the City regularly on project status and outstanding issues
- Create an atmosphere that encourages teamwork and efficiency to successfully complete the project within budget and on schedule

This approach brings a unified team in lock-step with the City's vision for the project delivery. When a quick turnaround is needed on a large effort, Project Manager Lance Littrell, P.E. and Deputy Project Manager Jill Grimaldi, BCES have direct authority to allocate resources both internal to the Vero Beach, Orlando and West Palm Beach offices, as well as bringing in support staff from other offices to complete your assignments. The key is to make sure that the ongoing projects continue to progress.

## Ability to Stay Within Budget Requirements

Kimley-Horn recognizes that meeting our clients' deadlines and staying within budget are critical to the success of a project—our depth of staff and ability to activate resources from other Florida offices will ensure that we complete the City's projects on time and within budget.

Our first step in schedule and budget control is to understand your vision for a project and then develop a realistic schedule to make that vision a reality. This step requires immediate and clear communication and is a critical step in partnering for a successful project. We will define the project requirements, understand potential obstacles to success, identify potential opportunities to achieve more within the same project, and create a project work plan that allows us to accomplish your goals efficiently.

Our budget control measures include the use of Task Assignment Sheets to assign a task to an individual staff person. The Task Assignment Sheet identifies what task is to be completed, how many hours are allocated to that task, when the task is to be completed, and the resources needed to complete the task. The Kimley-Horn staff person receiving the Task Assignment Sheet is required to sign off on the budget hours and task completion date before initiating the task.

We understand that the largest costs to our clients are those related to construction of projects, so we work hard to prepare thorough plans and specifications that accurately and completely define the project requirements. We then break down the project into discreet pay items with specific descriptions of what is included in them to avoid misunderstandings by the contractor during bidding and construction. We then carefully monitor the contractors' progress during construction and assist them in interpreting the contract requirements whenever a question arises. We also review proposals from the contractor to modify elements of construction that offer cost or schedule benefits to the client. This attention to detail throughout the project ensures that our clients receive real value from our services.

## Project Schedule

Kimley-Horn is very progressive when it comes to understanding its current workload and its capacity to take to clients. Kimley-Horn uses a management information system (MIS) to continuously track our financial

# Port St. Lucie

## Continuing Engineering Services for Utility Projects

performance and productivity, accurately forecasting technical and manpower needs. One of the key elements of the MIS is a reliable forecasting process we call the “cast-ahead” system. The cast-ahead system is accessible by all our project managers throughout the nation. It is the primary means of tracking and evaluating our staffing needs. Updated monthly by the project managers, the cast-ahead system forecasts our workload for the next month and the upcoming six-month period. The cast-ahead process ensures that sufficient staff and hours are available to meet project schedules.

The input required of the project managers includes individual project names, as well as requests for specific personnel to work on these projects for a specified number of weeks. The combined input from all project managers is compiled and distributed in the form of a report to all project managers and regional management for review and discussion at the monthly cast-ahead meeting. Work overloads or shortages for specific personnel, individual offices, and disciplines are tabulated and addressed at the meeting. Where possible, these imbalances are resolved through internal shifts of personnel between offices. The objective is to balance the workload in a manner that maximizes the use of production staff, while ensuring that all project requirements and client deadlines are met.

Based on his review of our castahead report, our project manager, **Lance Littrell, P.E.**, has determined that the proposed team is readily available and in an excellent position to handle any Water, Wastewater, or Reclaimed Water task required by eRFP Number: 20210093. Lance will mobilize the project team immediately when necessary and will expertly coordinate all efforts on City assignments.

## Communication

Effective communication begins with listening to the City’s ideas about, concerns regarding, and goals for each project. Communication is in all forms: face-to-face meetings, telephone, email, and written. Our team members use the same principles—communicate frequently, keep involved/responsible team members in the loop and, most importantly, keep the City informed and involved. Making certain that our team and your staff are on the same page throughout the course of the project will help avoid or mitigate potential problems or issues that might arise. To do this, we will:

- Keep you informed through progress updates, meetings, and progress reports.
- Provide you with regular conference calls to keep you abreast of critical issues as they arise and assure your continued input throughout the process.
- Encourage ongoing electronic communications among all members of the project team. This will allow team members convenient and fast access to information and serve as a tool to keep everyone up to speed with the progress of the project and upcoming meetings and activities.

When task work is underway, all team members can communicate with the City and within the team to work efficiently, keeping the project manager and City project manager in the loop. The Kimley-Horn team will be responsible to all requests/correspondence from the City. Our standard practice is to respond within 24 hours—even if the response is to say we do not have an answer or document yet, but to establish a time when it will be ready. We have demonstrated over the past 54 years that if the matter is urgent, we respond immediately and in person if it is appropriate.

Our team has worked hand-in-hand with City staff over the past several years and is keenly aware of the operational and upcoming capital project needs that will face the City under this contract. We take great pride in serving as an extension of staff and becoming a trusted advisor to the City, and strive to be the City’s go-to source for technical support. The services outlined in this RFQ fall within Kimley-Horn’s core competencies. The matrix presented on the following page illustrates our staff’s expertise in these key areas of service, **demonstrating our extensive understanding of these topics and their importance to the City.** We have assembled a team of professionals with the diverse experience needed to provide any or all of these services under this contract. **Our proposed organizational chart is presented on page 11.**

# Team Qualifications to Meet the Unique Needs of the City's Scope of Work

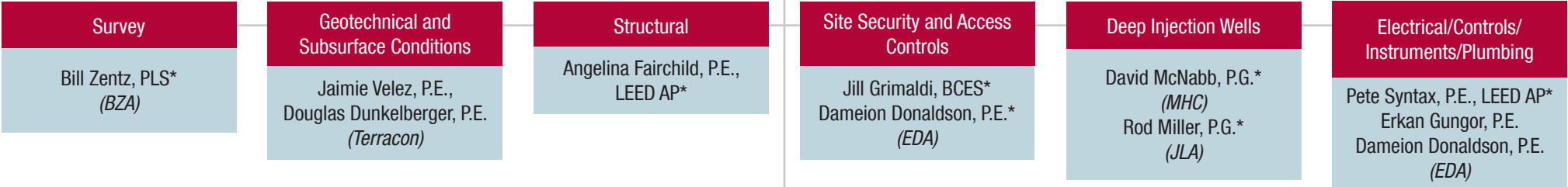
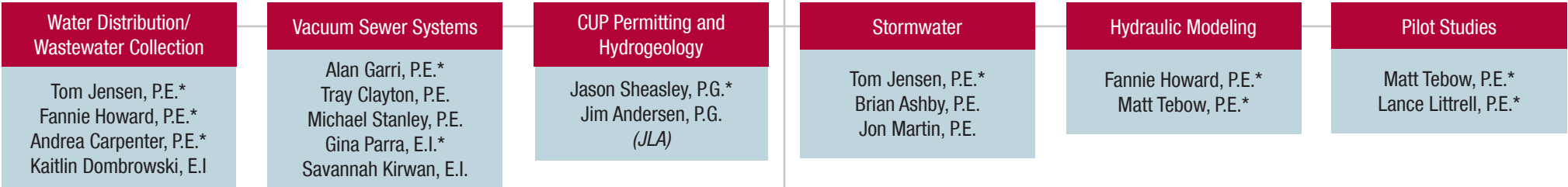
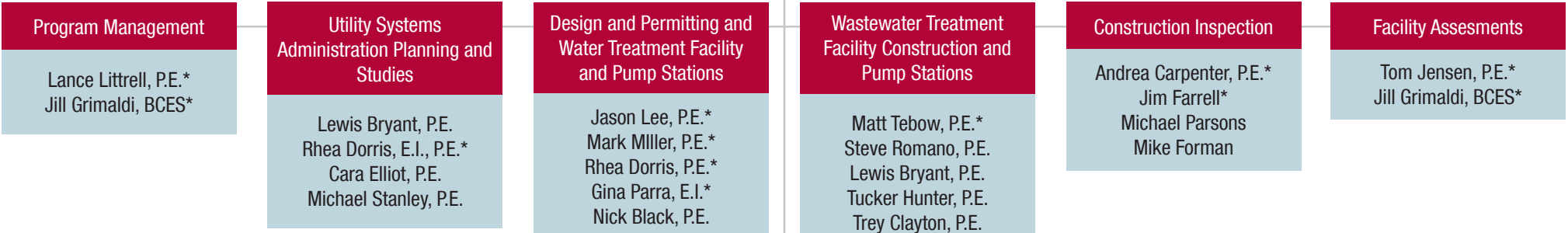
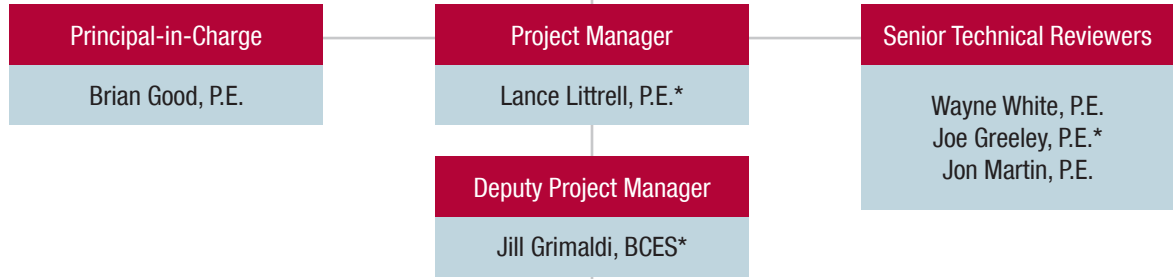
## Key Staff Member

### Demonstrated Experience

	Jon Martin, P.E.	Lance Littrell, P.E.	Jill Grimaldi, BCES	Wayne White, P.E.	Joe Greeley, P.E.	Rhea Dorris, P.E.	Jason Lee, P.E.	Mark Miller, P.E.	Gina Parra, E.I.	Matt Tebow, P.E.	Jim Farrell	Tom Jensen, P.E.	Fannie Howard, P.E.	Andrea Carpenter, P.E.	Alan Garri, P.E.	Jason Sheasley, P.G.	Jim Anderson, P.G.	Bill Zentz, PLS	Angelina Fairchild, P.E.	David McNabb	Rod Miller, P.G.	Dameion Donaldson, P.E.	Pete Syntax, LEED AP	Allison Megrath, AICP, CNU-A	Douglas Dunkelberger, P.E.	Justin Saarinen, GISP	Shelby Oenbrink, WPIT
Program Management Services																											
Feasibility Studies and Planning																											
Environmental Services (T&E Studies, Wetland Delineation, etc.) - Added Service Offering (not requested in RFP)																											
Construction Design, Contract Administration, Engineering, and Inspection																											
Electrical/Electronic system upgrades																											
Property, Boundary, Easements, R/W, Topographic, and Utility surveys																											
Site Plan Review																											
Wastewater Collection and Treatment Evaluation and Design Services																											
Vacuum Systems Evaluation and Design Services																											
Water Distribution Systems Evaluation and Design Services																											
Plans Review and Inspection Services as may be needed by the Building Division																											
Water and wastewater pump station facility and/or equipment selection, design, testing, evaluation and upgrades																											
Water and wastewater treatment and disposal facility and/or equipment selection, design, testing, evaluation and upgrades																											
Raw water well facility evaluation, design, testing and upgrades																											
Technical specifications																											
Testing services																											
Consumptive use permitting																											
Water and wastewater treatment pilot plant evaluations, designs and studies																											
Membrane evaluation and replacement projects																											
Electrical systems and motor control center (MCC) evaluation, design and/or upgrades																											
Instrumentation evaluation, selection, design and/or upgrades																											
SCADA system design, modification and upgrade																											
Pump station control panel design																											
Coordination and permitting with Florida Power and Light (FPL)																											
Utility asset management, information systems and/or data acquisition/processing																											
Surveying, mapping, GIS and GPS services																											
Structural, civil, mechanical, electrical and plumbing engineering services																											
Modeling of hydraulics and/or water quality for water distribution, wastewater collection facilities and utility systems and facilities that may involve open channel flow																											
Storm water system evaluations as related to Utility System Department owned and operated facilities for treatment, pumping and administration																											
Engineering services related to the testing and evaluation of soils and subsurface conditions																											
Utility Systems Department facility access system evaluation, and design																											
Assistance and support with City related services including bidding, site plan review and Building Department permitting																											
Respond to Utility Systems Department staff inquiries for technical support for contracted projects on an "as needed" basis																											
Other miscellaneous professional services that the City may desire																											

# City of Port St. Lucie

\* = Key Personnel  
SF 330Es are included for key personnel



# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Why Kimley-Horn?

**Our staff of dedicated professionals takes great pride in the way we serve our clients and react to their needs.** We have demonstrated this commitment to our clients for 54 years. We can assure you that we are committed to technical excellence and are extremely **conscientious about your time and budget constraints.** **We pledge to you a level of commitment and personal responsiveness that we have demonstrated time and time again. Our commitment to client service has resulted in long-standing relationships with numerous cities, counties, utilities, and public works departments. You can count on our team to react quickly to your needs.**

This continuing services contract requires at team with broad ranging experience and capabilities, a large pool of resources, local leadership, and thorough knowledge of delivering utility projects. The Kimley-Horn team brings the depth of experience and capabilities **to complete any assignment for this contract, as proven through our long-standing history of delivering successful projects in Florida.** As a large national firm, we bring a depth of resources capable of delivering a quality engineering product immediately managed and delivered locally to your staff by engineers that know your community. Each of our key staff live and work within about 90 minutes of the City's facilities, providing the ability to serve your staff at a moment's notice. **Our project team's history and understanding of utility systems, as well as our established relationships with City staff, help ensure that your projects will be completed efficiently.**

We believe that our team of engineers offers top-tier qualifications, as well as familiar faces for your selection. Whether the assignments are for planning studies, assessments, designs, or construction tasks, Kimley-Horn provides unmatched experience for your selection within this contract.

-  **Be Flexible.**
-  **Think and Act as an Extension of the County's Staff.**
-  **Think Big Picture.**
-  **Be Innovative.**
-  **Team with Other Consultants.**
-  **Provide Community Support.**

### 4. General Scope of Services (including Design Support)

Kimley-Horn employs over 110 dedicated water and wastewater professionals in Florida alone. Our local team is supported by a deep bench of national expertise, that can be engaged virtually or in person, to provide specialty experience, expedite project delivery, provide quality control reviews and more, as needed.

Our team can provide a full suite of services related to the City's operation and maintenance of the existing membrane and lime softening treatment units, wastewater treatment facilities, wellfields, deep injection well system, distribution and collection, and storage and pumping facilities throughout the utility system.

Our integrated water resources services and experience include, but are not limited to:

- ◆ Annual Reporting
- ◆ Asset management
- ◆ Commissioning and Start Up Services
- ◆ Complex Utility Relocations
- ◆ Condition Assessments
- ◆ Construction Observation/Administration Services
- ◆ Conventional and Trenchless Pipeline Installation
- ◆ Engineer's Reports
- ◆ Environmental Permitting, Assessment and Remediation
- ◆ Flood Control and Floodplain Management
- ◆ Geographic information Systems (GIS)
- ◆ Grant Funding and Administration
- ◆ Groundwater Modeling
- ◆ Hydraulic Evaluations - Model Development and Calibration
- ◆ Inflow and Infiltration (I&I) Analysis
- ◆ Instrumentation and Controls
- ◆ Large diameter pipeline design
- ◆ Lift Station Evaluation, Design and Rehabilitation
- ◆ Master Planning
- ◆ Monitoring and Reporting
- ◆ MOR/DMR support
- ◆ Pipeline Evaluations and Condition Assessments
- ◆ Pump station Performance Evaluation
- ◆ Pumping System Optimization Studies
- ◆ Pumping, Storage and Conveyance
- ◆ Reclaimed Water Storage and Pumping
- ◆ Reclaimed Water System Design
- ◆ Regulatory Compliance/Permitting
- ◆ Right-of-Way/Easement Acquisitions
- ◆ Route Evaluations/Alternatives
- ◆ Sewer Rehabilitation and Replacement
- ◆ Structural Design and Inspections
- ◆ Subaqueous and Aerial Crossings
- ◆ Trenchless Pipeline design
- ◆ Utility Management
- ◆ Utility Mapping and Asset Management
- ◆ Utility Pipeline Conditions Assessments
- ◆ Wastewater Booster Pump Station Design
- ◆ Water Supply Permitting
- ◆ Water/Sewer/Reclaimed Water Collection/Transmission System Pipeline Design
- ◆ Water/wastewater Treatment Plant Designs, Rehabilitations, and Security Upgrades

### In-House Support Services

- Planning
- Landscape Architecture
- Structural
- Forensic Engineering
- Electrical
- Energy
- Roadway and Bridge
- Resilience
- Surface Water
- Environmental

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 5. Program Management Services

At Kimley-Horn, we pride ourselves on being a successful municipal consultant focusing on contracts such as the City of Port St. Lucie's eRFP 20210093. In fact, one of our largest practice areas is within the municipal arena with an ever-growing utility focus. We have conscientiously served municipal clients for decades and look to extend our utility disciplined municipal service for many years. For example, we are currently serving, or have recently served as a continuing consultant for the City of Port St. Lucie, FPUA, Indian River County, City of Vero Beach, Martin County, City of Stuart, Manatee County, Okeechobee County, Palm Beach County, Town of Palm Beach and City of West Palm Beach to name a few. All of these, and many other utilities throughout Florida, have been served with our quality deliverables within the schedule and budgets assigned to each project.

Kimley-Horn embodies the consultant mentality and is structured to promote long-term client and project manager relationships. As such, we seek out and attain the top talent from the water and wastewater industry to serve our clients. Our structure and continuous commitment to our staff enables them to serve our clients in a manner that is welcomed and appreciated. Booming economies tend to lead consulting firms to pursue large fees, often forgetting about the clients that built their reputation. Kimley-Horn sees each client equally and serves small projects with the same enthusiasm and fervor as the large, high-profile projects that garner our industry's attention. This enables Kimley-Horn to retain our top talent and your staff to have a consistent contact from contract signing through the extents of this contract term.

### PROJECT SPOTLIGHT

#### North Miami Beach Engineering Services Related to Project/Program Management and Engineering Services for the North Miami Beach Engineering Services

Related to Project/Program Management and Engineering Services contract, Kimley-Horn was retained in March 2016 as the Program Manager for the Utility Department. The Department had a capital budget of approximately \$40 million. The Utility has a 32-MGD water treatment plant (using lime softening, nanofiltration and reverse osmosis processes), and an associated distribution system. The wastewater collection system is also owned by the Utility. Program Management activities include coordination of multiple ongoing capital projects being performed by six different engineering consultants, approval of all engineering invoices, approval of all contractor pay requests, and review and approval of all plans for conformance the Utility standards. The projects involved a wide array of work ranging from distribution piping replacements or wastewater lift station upgrades to chemical feed system and process modifications at the water treatment plant. Periodic portfolio meetings are conducted with each consultant to set and update performance milestones and identify/reconcile production impediments, as well as provide a coordination vehicle to make certain the activities on each project fit seamlessly into an overall coordinated plan.

Within the general umbrella of Program Management, Kimley-Horn also provided technical operations assistance on an ongoing basis. Services included the provision of opinion on process optimization concepts for both lime softening and membrane plants and permitting assistance for all projects.

In addition to program management services, Kimley-Horn also provided design, permitting, and construction services on a wide range of projects. Typical projects included security enhancements, work space reconfiguration, record management systems reconfiguration, chemical feed systems redundancy and reliability improvements, lime sludge return system upgrades, and water audits.



# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Public Utilities and Infrastructure Experience

Kimley-Horn's depth of resources can address any utility engineering need you may have. Our project manager and leadership has provided services for projects for the City of Port St. Lucie including the Prineville WTP Expansion of trains 3-5; Prineville's Membrane Replacement Pilot Study; James E. Anderson's 6.0 MGD expansion; and the Rangeline WTP Phase I Storage and Repump Station. Additionally, the nearly 10 miles of major transmission mains connecting the Rangeline and Glades treatment facilities and pump stations like the Jardain Road Pump Station were historical projects completed by our team. These projects show the deep experience and involvement with the City that supports Kimley-Horn's efficiency in delivering projects for the City..

As the City has experienced in working with our team members, Kimley-Horn is a firm you can count on to deliver your most challenging projects. Kimley-Horn's broad range of utility capabilities encompass all planning, design, permitting, coordination, and construction observation services required from the onset of a project through the approval process to completion of construction. Utility staff are capable of designing, permitting, and producing almost any utility project, including well design, water use permitting, water treatment plants, wastewater treatment plants, water and sewer transmission/collection system design, GIS mapping, water/wastewater system modeling, and utility master planning. We also have expertise in specific areas, such as hydrogeology, advanced water/wastewater treatment, and environmental permitting.

Our professionals work closely with utility owners, as well as other project stakeholders to make sure utility goals are identified early in the process and are properly addressed. Kimley-Horn also understands that teaming with our clients to obtain successful funding from potential public and private sources is critical. Kimley-Horn can identify alternative funding and financing loans, and other intergovernmental funding assistance.

**Our proven track record of repeat business with our municipal utility clients demonstrates our established role as a program manager, whether formal or informal, supporting our clients as they develop long-term planning goals, capital programs, project lifecycle analyses, financial plans and more.** We have routinely served in formal roles as our clients' program manager, evaluating project feasibility, budget/rate impacts, and planning efforts; overseeing capital projects by others (as owner's rep/program manager); coordination with purchasing agents and support in preparing conformed documents; preparing/assisting with the preparation of RFPs and bid documents; managing and/or supporting public outreach programs; serving as the owner's representative during construction phase; facilitating interagency coordination; value engineering; embedded support staff and more.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 6. Planning Support

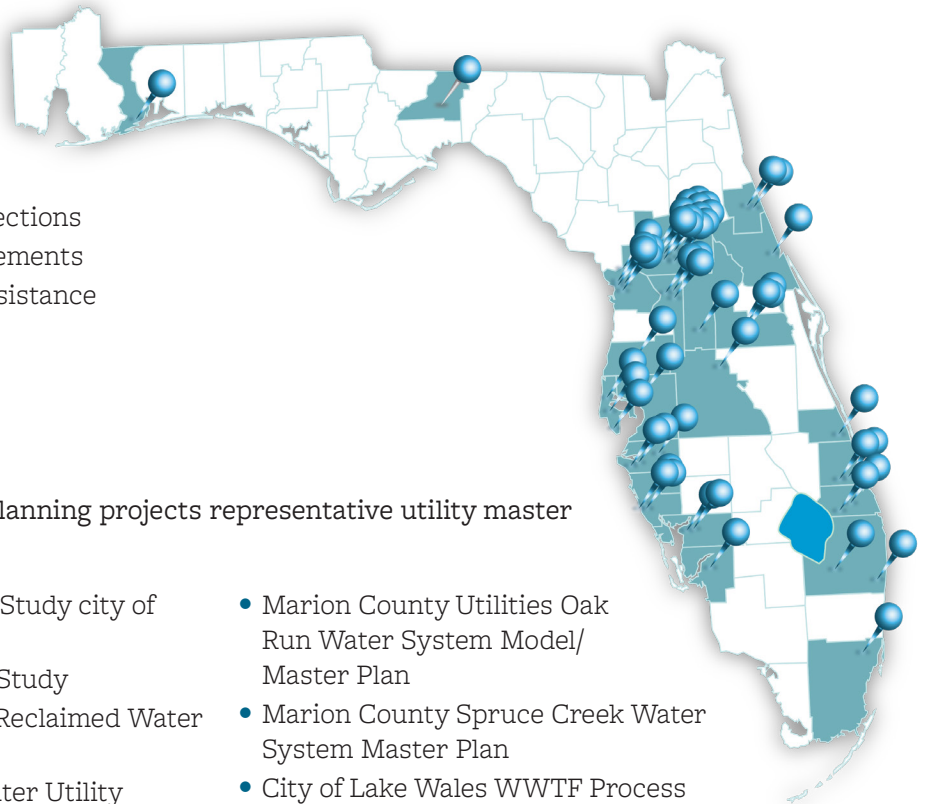
Utilities are continually challenged to project future needs and anticipate areas of growth within the water, wastewater and reclaimed water service areas to ensure that adequate infrastructure is in place to serve these future customers. Similarly, the maintenance and proactive replacement of aging infrastructure is critically important to successful operation of the utility. Kimley-Horn's team has supported our clients in planning for these endeavors through the preparation of numerous feasibility studies, pilot studies, conceptual design reports, facilities plans, capital improvement program developments, master plans (water, wastewater, reclaimed water, alternative water supply and Utility-wide master plans), comprehensive plan amendments, and various miscellaneous studies. Our team's experience includes coordination with multiple departments and stakeholders, public presentations of findings, coordination with regulatory agencies, interagency/interlocal coordination, modeling of systems, preparation of population projections and demand centroids, and similar related needs.

### Master Planning Capabilities

Kimley-Horn can help you achieve maximum efficiency and productivity through strategic planning. By investing in a master plan, you can effectively develop capital improvement plans (CIPs), prioritize allocation of available funding for projects, and identify future system deficiencies to allow for a proactive approach for creative solutions. Master planning services include:

- Evaluation of level of service constraints and determination of system deficiencies
- Identification and prioritization of areas for improvement
- Assistance with developing a Capital Improvement Plan
- Population and system demand projections
- Identification of water supply requirements
- Identification of areas for funding assistance
- Facility planning
- Capacity analysis
- Asset management
- GIS and mapping

### Kimley-Horn Master Planning Projects in Florida



The following is a list of utility master planning projects representative utility master plans provided by Kimley-Horn:

- City of Port St. Lucie Membrane Pilot Study city of Fellsmere Utility System Master Plan
- City of Vero Beach WWTF Relocation Study
- City of Wildwood Water/Wastewater/Reclaimed Water Master Plan
- City of Dunnellon Water and Wastewater Utility Master Plan
- Marion County Silver Springs Regional Water System Consolidation and Modeling
- Marion County Utilities Oak Run Water System Model/ Master Plan
- Marion County Spruce Creek Water System Master Plan
- City of Lake Wales WWTF Process Model/Expansion Plan
- City of Belleview Water/Wastewater System Modeling
- Otter Creek, Florida WWTF Preliminary Design

# Port St. Lucie

Continuing Engineering Services for Utility Projects

- Report/USDA Grant Funding
- City of Lake Wales Water and Wastewater Master Plan Martin County Utilities
- Water Model and Master Plan
- Indian River County Water Distribution System Modeling and Master Planning Study
- Town of Palm Beach Force Main Model
- Town of Medley Water Model Master Plan
- City of Miramar Country Club Ranches Water Feasibility Model
- Osceola County South Lake Toho Master Plan
- Town of Jupiter Waster System Master Plan Update 2013
- City of Stuart Utility Master Plan
- DeSoto County Lake Suzy Water Distribution Master Plan

## PROJECT SPOTLIGHT

### City of Dunnellon Utility Master Plan

As part of the City's general professional engineering services contract, Kimley-Horn prepared the utility master plan for the City of Dunnellon water and wastewater systems. The analysis included new treatment plant location evaluations, system growth planning, capital improvement projects programming, line sizing, existing lift station evaluations and modifications, and system realignments. As part of this project, Kimley-Horn generated water and wastewater system models using WaterGEMS and SewerGEMS software, performed hydraulic and water age analyses, and provided capital improvement project planning assistance.

## 7. Standard Form 330

Please refer to File #3 which contains Kimley-Horn's Standard Form 330.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 8. Design Support

Please refer to File #3, which contains Kimley-Horn's SF 330 F projects for our 10 relevant projects and Section G matrix linking project team members' experience with projects.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 9. CEI Services

Kimley-Horn has provided construction engineering and inspection services on many water and wastewater facilities for municipalities throughout the United States. Our full-service consulting includes comprehensive construction administration services with experienced inspection staff in all types of construction. In addition to receiving the benefit of our inspectors' experience, our construction phase personnel can attend pre-construction conferences and regular project meetings, and provide review and approval of pay estimates, and all other activities required to achieve well-coordinated construction of proposed improvements. Our construction phase services include providing a full-time or part-time construction observation representative, evaluating equipment delivered as compared to shop drawings, and coordinating punch list observations and materials testing.

Our firm takes pride in designing "buildable" plans, and our knowledge of construction issues and costs is evidenced by the firm's outstanding record of on-time and on-budget completions. Our experience can be used to review plans and specifications to identify constructability issues early on in the process. Then, affordable adjustments can be made to maintain steady progress and avoid stop-work situations. Construction phase services include cost estimating, pre-bid services, construction administration, and observation. The key to successful CEI services is having the right people in the field that are knowledgeable in the work being performed. It is not only important for them to know how and why specific improvements are built and any variations in methods of construction, but they must form a trusting relationship with the contractor as the City's agent. This is critical to ensure there is one team in the field with a unified purpose of completing the job at hand. Accurate and consistent record keeping and regular communication with City staff will ensure you know the project is on schedule and that the City is getting the expected results.

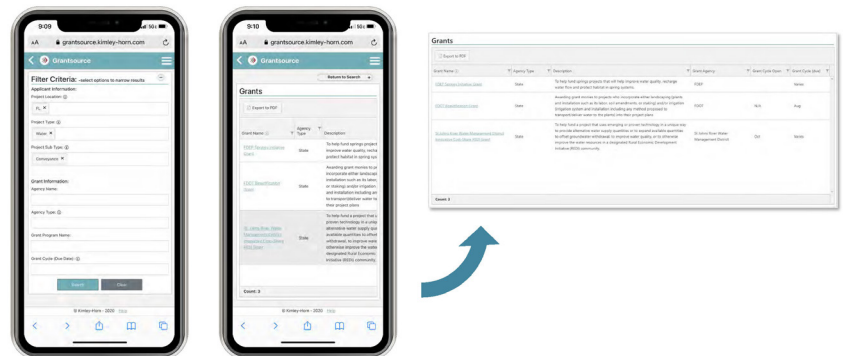


## 10. Grant and Loan Funding Support

Kimley-Horn understands that obtaining successful funding and the identification of potential public and private sources is critical to the City's projects and will work to identify alternative funding and financing strategies within multiple categories and funding sources for projects to be executed under this contract. The Kimley-Horn team often deals with the complex regulations tied to the local use of state and federal funding and has been successful in obtaining grants and other funding for a number of municipalities. The Kimley-Horn project team will provide insight into the opportunities available, and the procedures required to obtain funding, as well as the logistics associated with grant administration (Buy American, Davis Bacon provisions, etc.).

Kimley-Horn has provided grant and funding assistance to our clients resulting in more than \$247 million in grants and outside funding for Florida clients and projects in the past 20 years. We have developed a resource library of information on state and federal funding sources and will assist the City in making the most of available resources. Furthermore, Kimley-Horn made a substantial investment in 2020 to develop a proprietary database of grant funding opportunities for use by our Project Managers around the Country to assist in identifying funding sources that may be well beyond the traditional programs our clients are used to pursuing.

### Fundability – GrantSource.kimley-horn.com



Kimley-Horn 85

A sampling of the programs that Kimley-Horn routinely secures funding through is as follows:

- FDOT Local Area Program (LAP) grants
- State Revolving Funds (SRF) loans
- Federal Water Infrastructure Finance and Innovation Act (WIFIA)
- Florida DEO CDBG programs
- Water Management District grants and awards
- Legislative Grants and Awards
- General Obligation and Revenue Bonds
- FEMA reimbursements
- Special Assessments

As a result, projects may be subject, but not limited, to the following:

- Florida Department of Transportation regulations
- Florida Department of Environmental Protection regulations
- Water Management District regulations
- Enterprise Participation
- Certificate of Contracts, Grants, Loans, and Cooperative Agreement
- Disclosure of Lobbying Activities
- Disadvantage Business Enterprise (DBE) Goals

## Successful FDEP SRF Loan Administration

Kimley-Horn has substantial recent experience with the Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) loan administration on several projects. One such recent project involves providing SRF administration services on the Plantation Bay WWTF Phase 1 project and assisting Flagler County with administration of the Plantation Bay WWTF Phase 2 construction loan process. Our team has no less than weekly communications with FDEP project manager and frequent communications with FDEP Clean Water SRF program

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## Continuing Engineering Services for Utility Projects

director, giving us an elevated level of insight as to upcoming opportunities or challenges associated with SRF funding for our clients.

In addition to our current involvement with the Plantation Bay WWTF SRF funding project, Kimley-Horn has recently provided SRF loan administration assistance with numerous other projects as detailed in the Grant Funding Successes table above, including, but not limited to:

- ◆ The City of Wildwood/Oxford WTP FDEP SRF Drinking Water Program
- ◆ City of Wildwood/CR 209 FM and Lift Station FDEP SRF Clean Water Program
- ◆ City of Wildwood/North Lower Floridan Well (Design/Planning) FDEP SRF Drinking Water Program
- ◆ City of Wildwood/North Lower Floridan Well (Design/Planning/Construction) FDEP Water Restoration Grant
- ◆ City of Wildwood/ CR 209 FM Extension Design FDEP SRF Loan

Our expertise with SRF loan administration services includes assistance with Davis-Bacon Act compliance monitoring and reporting, SRF loan disbursement requests, project change order coordination, final disbursement request coordination, and FDEP audit assistance. Kimley-Horn is on a first name basis with the FDEP SRF program staff and we are recognized as one of the State's most experienced firms with the SRF program.

## Grant Funding Successes

As of August 13, 2021, Kimley-Horn has provided assistance to our clients that have resulted in more than \$247 million in grants and outside funding. A partial summary of our successful grant pursuits is provided below.

Grant/Funding Source	Client/Project	Amount	Date
CDBG-DR	City of Hollywood Liberia-Oakwood Wastewater Collection System	\$3,435,000	2021
CDBG-MIT	City of Hollywood Floodplain Management Plan	\$400,000	2021
Forward Pinellas	City of Tarpon Springs Complete Streets Grant	\$100,000	2020
FDEP Springs Initiative	FGUA Burkitt Road Septic to Sewer Program	\$450,000	2020
FDEP Springs Initiative	FGUA Chatmire Road Septic to Sewer Program	\$3,700,000	2020
FDEP Springs Initiative	FGUA Rainbow River and Rio Vista Septic to Sewer Program	\$10,000,000	2020
FDEP Springs Initiative	City of Ocala Timberwood Septic to Sewer Program	\$1,900,000	2020
FDEP Springs Initiative	City of Ocala Fairfield Village Sewer Conversion Project	\$750,000	2020
FDEP Springs Initiative/ SWFWMD Cost	City of Crystal River Indian Waters Phase I and II Septic to Sewer Program	\$4,375,000	2020
FDEP Springs Initiative/ SWFWMD Cost	City of Crystal River Southern Sewer Expansion	\$4,875,000	2020
FEP Drinking Water and Clean Water Programs	City of Lake Wales Westerly Utility Extension	\$5,344,809	2020
FDEP Drinking water and Clean Water Programs	City of Lake Wales, Westerly Utility Extension	\$5,344,809	2018
FDEP LP Funding	City of Dunnellon Downtown Utility	\$300,000	2018
FDEP TMDL Grant	Jupiter Colony	\$750,000	2018
SFWMD Cooperative Funding Program	Jupiter Colony	\$75,000	2018
Loxahatchee Initiative Grant	Jupiter Colony	\$600,000	2018
FDEP SRF Drinking Water Program	City of Wildwood/Oxford WTP	\$7,586,166	2018



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## Continuing Engineering Services for Utility Projects

FDEP SRF Clean Water Program	City of Wildwood/CR 209 FM and Lift Station	\$1,458,870	2016
USDA	Wakulla County/WWTF Expansion	\$11 million	2014
Small Starts Grant	Wave Streetcar/Broward County	\$50 million	2014
TIGER Grant	Wave Streetcar/Broward County	\$18 million	2012
TIGGER (Transit Investment in Greenhouse Gas and Energy Reduction) Grant	Pompano Beach Tri-Rail Station Green Demonstration Project	\$5.7 million	2011
US EPA Brownfields Assessment Grant	City of Wauchula/Wauchula CRA	\$400,000	2011
Community Development Block Grant	City of Wildwood - Stormwater Infrastructure Improvements	\$700,000	2011
FTA Section 5309 Bus and Bus Facilities Livability Initiative Program Grants	Broward County Transit Improvements/FDOT	\$8 million	2010
SWIM Grant	City of Mulberry Alafia Nature Park	\$81,000	2010-2011
US Department of Energy/EECBG	Seminole County - County-wide Strategy	\$193,000	2009
South Florida Water Management District – Alternative Water Supply Grant	Martin County – Tropical Farms Water Plant Clean-in-Place	\$140,000	2008
National Scenic Byway Program Grant – Pending	Pensacola Scenic Bluffs Volunteer Coordinator	\$29,230	2008
National Scenic Byway Program Grant – Pending	Big Bend Scenic Byway CMP Implementation and Funding Strategy Year 2	\$25,000	2008
Visit Florida Grant	Big Bend Scenic Byway Website Development	\$2,500	2008
FRDAP Grant	Palmetto Estuary Park	\$200,000	2008-2009
Technical Assistance Grants – Department of Community Affairs	City of St Marks Downtown Master Plan	\$40,000	2007
DEP Florida Coastal Partnerships Initiative Grant Program	City of St Marks Riverwalk Redevelopment Master Plan	\$80,000	2007
National Scenic Byway Program Grants	Pensacola Scenic Bluffs Highway Corridor Management Plan Implementation Year 1	\$29,227	2007
National Scenic Byway Program Grants	Big Bend Scenic Byway Corridor Management Plan Implementation Year 1	\$25,000	2007
National Scenic Byway Program Grants	Big Bend Scenic Byway Blueprint for Roadside Interpretation and Wayfinding	\$81,332	2007
Coastal Partnerships Initiative Grant	City of St. Marks Riverwalk Master Plan	\$50,000	2007
South Florida Water Management District	Willoughby Golf Club Reclaimed Water Main	\$71,400	2007
South Florida Water Management District	Seacoast Utilities Authority Floridan Production Well #F-2	\$104,600	2007

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 11. Miscellaneous Support

The City has provided the following list of additional services that may be needed under this contract. The Kimley-Horn team has conducted similar services to the City and other clients throughout the State for many years. Below is a summary of similar experience that this team is available to leverage for the City's benefit.

### Permitting

Our team routinely prepares permit applications for our clients through various state and local agencies including (but not limited to):

- **Federal** – EPA; Army Corps of Engineers; air permitting; wetland mitigation; T&E studies, etc.
- **FDEP** – Water, wastewater and reclaimed water system construction; operations; waterline/force main extensions; renewals and modifications (including capacity analysis reports, reuse feasibility studies, etc.); biosolids treatment; consent order/administrative order compliance; potable water system components/well construction; NPDES; underground injection control.
- **SFWMD** – Environmental resource permitting; consumptive use permitting (renewals, modifications, groundwater modeling, compliance reporting, population projections); well construction;
- **Local** – City/County roadway and canal crossings; local stormwater; drainage district right of way or crossings; site plan approval; rezoning; etc.

### CMOM

Our team offers CMOM support around the country. Most notably, **our Florida team is administering an extensive CMOM program for Charlotte County Utilities** that was identified as a corrective action in an FDEP Consent Order in 2018 (and amended in 2020). Kimley-Horn's scope of services includes a review of CCU's existing CMOM program; identify early action items (near-term); perform staff interviews to identify procedures, processes and policies; and conduct field inspections to establish existing conditions. The CMOM Program evaluation then involved performing an assessment of compliance with the EPA CMOM guidance, assessing best practices, conducting a gap analysis and generating subsequent recommendations, and developing a roadmap for convert the recommendations into an implementable program. The final step is to assist the client with documenting compliance once the recommendations are implemented. While the City of Port St. Lucie is not under a compliance order, the development or updating of a CMOM program would follow similar steps.

### Sanitary Sewer Overflow Response Plans (SORP)

Working on over 50 cities/counties in the State on master services agreements, we have assisted numerous clients with the development of SORPs, updating of SORPs, identifying projects that may eliminate or reduce the frequency of sewer overflows and implementing those projects. These projects and programs often dovetail with the utilities inflow and infiltration (I&I) programs that identify areas of the system that contribute excessive amounts of flow to the system. **Our team has recently completed I&I studies for Pinellas County (flow monitoring), Manatee County, and St. Petersburg Beach.** We have also recently reviewed the CCU Sanitary Sewer Overflow Procedures manual and are in the process of developing a corresponding emergency action plan for such events.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Various Studies

As noted in the planning summary, above, our team is proficient in conducting routine permit compliance studies and those associated with permit renewals and modifications (including the requested TMDL, reuse feasibility and biosolids feasibility studies). In addition, we have developed many client and project-specific studies to evaluate a proposed project for a tailored set of parameters and metrics that are of particular importance to our clients. Pilot programs/studies, similar to that we recently completed for the City's JEA Water Treatment Plant, are also a valuable tool for our clients that we are familiar with developing and executing. We have a full suite of hydraulic modeling experts that are also available to the City in performing optimization studies as well.

## Survey, Right-of-Way, Easements, Property Acquisition

The Kimley-Horn team includes Bill Zentz, PLS, who is available to provide support services for the development of survey and legal descriptions necessary for easements and rights-of-way (ROW) acquisition. The balance of our team is fully available to the City for supporting these activities and representing the City as needed as an expert witness and/or in preparing exhibits needed for property acquisition. **Our partners on our internal development services team also have strong relationships with developers in the area, which often provides a benefit to our municipal clients as we are able to leverage those relationships to obtain favorable locations and timely issuance of easements and ROWs.**

## Environmental Services

Kimley-Horn has a full-service, in-house environmental services team with professionals in both our Vero Beach and West Palm Beach office to support the City. **Our in-house professionals are certified gopher tortoise agents, proficient in wetland delineation and mitigation, conduct threatened and endangered species surveys and studies, and are available to our team on very short notice to expedite deliverables for our clients.** Our local environmental team maintains excellent working relationships with local Army Corps of Engineers, State and local reviewers that aid in timely reviews and permit issuance for our clients.

## Disaster Recovery and Reimbursements

**Kimley-Horn has provided FEMA support for the Cities of Oviedo, Neptune Beach, Lake Mary, Tallahassee, and numerous others, supporting funding requests, appeals, and general compliance.** We have similar experience throughout the state with NRCS and FHWA reimbursements/funding opportunities.

## Asset Management and GIS Services

Kimley-Horn has a team of GIS specialists that support our engineering staff in developing, updating and maintaining asset management systems throughout the Country. Whether our clients are starting from scratch with a CMMS system or updating/adding features to an existing CMMS, our team works in concert with our electrical/Instrumentation and Controls subconsultant (EDA) to custom tailor an asset management system that meets our clients' needs. These systems can include full lifecycle services for major equipment, management of maintenance records and work orders, GIS/tablet based systems for distribution and collection systems to utilize in the field, and management of critical spare parts to aid in response times for compromised equipment.

## O&M Manuals

Working daily with our clients' operations staff often reveals a need for updated/more comprehensive/more functional O&M manuals for use in optimizing performance of a given system. **Our team is in the process of developing O&M Manuals for Charlotte County Utilities,** which is the most recent in a long list of clients for whom we have provided these services. The scope of these projects typically involves collecting information related to:

# Port St. Lucie

## Continuing Engineering Services for Utility Projects

- Permits and Standards
- Description, Operation and Control of Wastewater Treatment Facilities
- Description, Operation and Control of Sludge Handling
- Facilities
- Personnel
- Laboratory Testing (process control)
- Records
- Maintenance
- Emergency Operating and Response Program
- Safety
- Utilities
- Electrical System
- O&M Manual Appendices

Manual content may include a description of:

- Treatment facilities
- Collection system (describe service area) list and location of specific lift stations such as master lift stations
- Pretreatment program including fats, oils, and grease (FOG) program and any system that impacts the characteristics of the wastewater stream
- Associated facilities include onsite laboratory where certified or process control, including sampling plan and use of contract laboratory
- Standby power system including describing load shedding, shared power system and associated maintenance program with pertinent regulatory information such as fuel tank registration, and leak detection system and inspection by outside agencies.
- Solids handling and disposal as well as discussion on side streams and their impact on treatment facility
- Distribution system (include service area) including storage and repump facilities
- Wellfields

Manual contents include:

- Specific information of every treatment component
- Theory of operation
- Relationship to adjacent systems
- History of process
- Elements & design data
- Normal mode of operation
- Interim or alternate modes of operation
- Classification and control
- Safety considerations
- Regulations and associated rules for the treatment facility including overview of permits, applicable schedules, and duties of an operator
- Troubleshooting guidelines including section on microscopic examination as well as process control
- tools and recommendations
- Maintenance guidelines, and types of maintenance such as proactive, preventive, and reactive definitions
- Listing of tag numbers, equipment nameplate data and summary of equipment operating parameters
- Appendices - original manufacturer equipment manuals, permits, definitions, available sops and referenced protocols, record drawings, etc.
- Chemical feed system including purpose, use and properties with manufacturers suggested ppe and safety practices.
- Effluent disposal and use along with discussion on the system overall operation

This information is tailored to each individual client and facility in a kickoff workshop and developed in collaboration with facility operators and utility staff.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Additional Offerings

In addition to the technical, management, planning, funding and public outreach services Kimley-Horn can offer the City, we often participate in and support utility-related programs within the communities we serve.

The City's Utility Systems Department maintains an active community outreach program that focuses primarily on educating school-aged children on matters that effect utility operations. The City's Drop Savers program, school education programs (poster contests, clog and filtration demonstrations, etc.) and the popular Francis FOGberg program are hugely popular, and our professionals often participate in or even sponsor similar school outreach programs across the state (and beyond). Our team is more than willing to participate in career day presentations, STEM programs, science fairs and other events that further solidify our presence in these communities. **Our staff live and work in the communities we serve, and we do not take that lightly.** We have repeatedly participated in operator training programs, facilitated school tours of facilities, served on local and state boards (SEDA, FWEA, AWWA, etc.) and conducted public outreach programs to support our clients and our communities. We are fully available to the City for similar outreach programs and look forward to working with you on these efforts.

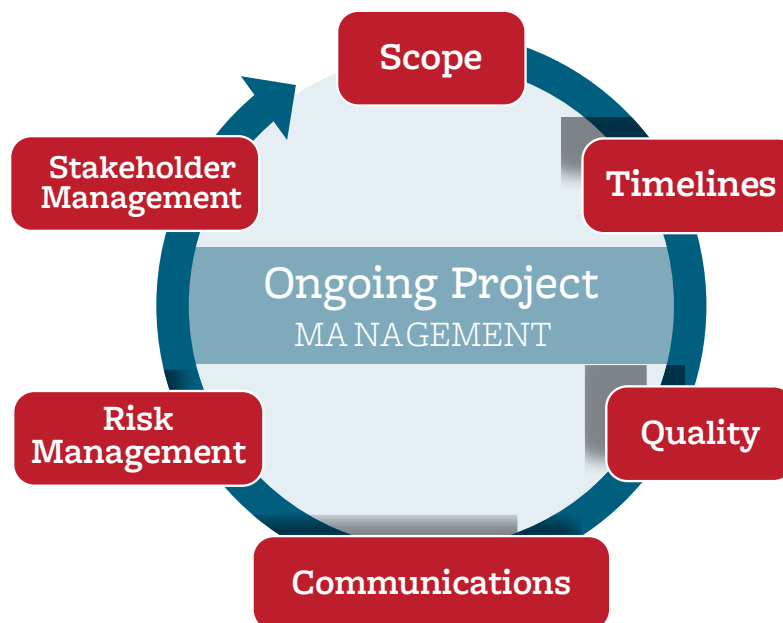
# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 12. Ability to Meet Scheduling and Budget Requirements

Kimley-Horn is very progressive when it comes to understanding our current workload and our capacity to take on additional work without impacting our ability to serve our clients. Our proactive management process helps ensure the availability of firmwide and Florida-based resources for project staffing requirements. This management process, called “cast-aheads,” is a proprietary program that is maintained on Kimley-Horn’s computer network and is accessible by all project managers nationwide. It is the primary means of tracking and evaluating our staffing needs. Updated monthly by project managers, the cast-aheads system is used to define specific staffing needs for the current month and for the next six months. The castaheads process helps ensure that sufficient staff and hours are available to meet project schedules. Work overloads or shortages for specific personnel, individual offices, and disciplines are tabulated and addressed for 1-, 3- and 6-month planning periods. Where possible, these imbalances are resolved through internal shifts of personnel between offices. The objective is to balance the workload in a manner that maximizes the use of production staff, while helping to ensure that all project requirements and client deadlines are met.

In addition to solid technical staff with relevant project experience, our team brings a strong task order management process to the project. We leverage a process that is founded on proven methodology. We are keenly familiar with the need for planning, budgeting, and executing each task order contract and have established proven guidelines and checks and balances to control quality and manage the process. Our management process is simple, but effective. We establish clear objectives as measured by project deliverables, schedules, roles, and constraints. We remain flexible by focusing on the content and quality of our activities rather than the form. We assign project staff to tasks wisely — by assigning the right people to support each task component at the right time to minimize project cost and deliver the best possible product. We strive to maintain consistency in task order leadership by making sure each project manager has the appropriate level of technical and managerial experience. We provide the pool of resources necessary to support each project manager who is driven to deliver the highest quality products and services by incorporating quality control into the process while remaining aware and sensitive to project schedules and budget.



# Port St. Lucie

## Continuing Engineering Services for Utility Projects

We prepare a task order proposal by documenting our understanding of the work to be performed and our approach to accomplishing the work. We document our understanding of problems and highlight expected results. We also define a work plan and schedule that details tasks, subtasks, milestones, begin and end dates, duration, and deliverables, including provisions for review by the City's staff. We identify special requirements regarding coordination, meetings, equipment, facilities, and potential risk areas in need of contingency planning. We identify key staff members and special skills required to accomplish the work, level of effort required, subconsultant costs, direct costs, and total cost for work completion.

**Successful project completion of each assigned task hinges upon the ability of the Project Manager, Lance Littrell, P.E., and Deputy Project Manager Jill Grimaldi, BCES to control all aspects of any assignment to exceed the City of Port Lucie's expectations in the areas of time, cost, and quality.** Our superior technical expertise and state-of-the-art equipment guarantees a higher degree of efficiency, increased speed, flexibility, and cost-effectiveness.

Because effective and proficient coordination is the foundation of our management philosophy, Lance and Jill will help ensure that all tasks are completed on time and to specification by always maintaining proper communication, coordination, and documentation of all project activities. We have already identified a large pool of qualified staff, our resource team, to perform specific tasks as shown in our organizational chart. Our team has the management skills, manpower, and availability to meet your schedule on this assignment.

For each task assignment, Lance and Jill will handle day-to-day issues and scrutinize both schedules and budgets on a weekly basis. We will implement proven project control throughout the execution of each task order to highlight project status; help ensure work progress is timely, within budget, and consistent with task order objectives; and undertake needed corrective actions. Clear, concise, and regular communications are key to keeping work execution on track and consistent with the City's needs and expectations. We institute frequent informal discussions with the City's management staff, monthly progress reports, problem resolution reports, task tracking and subtasks budget management, and peer review quality management to help ensure each product meets the highest standards of objectivity, accuracy, completeness, and presentation. In addition, senior technical reviewers will provide QA/QC deliverables review. We will use appropriate tools for planning, controlling, managing, and tracking task orders.

We take budget tracking and monitoring very seriously and have implemented tools to assist our project managers in keeping projects on track with levels of effort commensurate with the project's progress. We require our employees to complete timesheets daily. Our time keeping system is available to our Project Management team to monitor the real-time-effort of our project staff members to track levels of effort being billed to our projects on a daily basis. This process allows us to quickly and effectively correct timesheets, course correct the level of effort being expended on a given task and monitor overall project budgets against progress to date – rather than waiting 30 days until invoices are due and budgets have been negatively impacted. Our team has repeatedly delivered projects for the City that are on schedule and within budget.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## 13. Attachments

### Licenses and Certifications

#### State of Florida Department of State

I certify from the records of this office that KIMLEY-HORN AND ASSOCIATES, INC. is a North Carolina corporation authorized to transact business in the State of Florida, qualified on April 24, 1968.

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on April 24, 2021, 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-sixth day of April, 2021*



*Ronald DeSantis*  
Secretary of State

Tracking Number: 6274349232CU

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

Ron DeSantis, Governor Halsey Beshears, Secretary

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT BUSINESS HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

**KIMLEY-HORN AND ASSOCIATES INC**  
421 FAYETTEVILLE STREET  
SUITE 600  
RALEIGH, NC 24601

LICENSE NUMBER: LCC000219  
EXPIRATION DATE: NOVEMBER 30, 2021  
Always verify licenses online at MyFloridaLicense.com

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Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB696**  
Expiration Date February 28, 2023

#### Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

KIMLEY-HORN AND ASSOCIATES, INC.  
421 FAYETTEVILLE ST STE 600  
RALEIGH, NC 27601-1777

*Nicole "Nikki" Fried*

NICOLE "NIKKI" FRIED  
COMMISSIONER OF AGRICULTURE

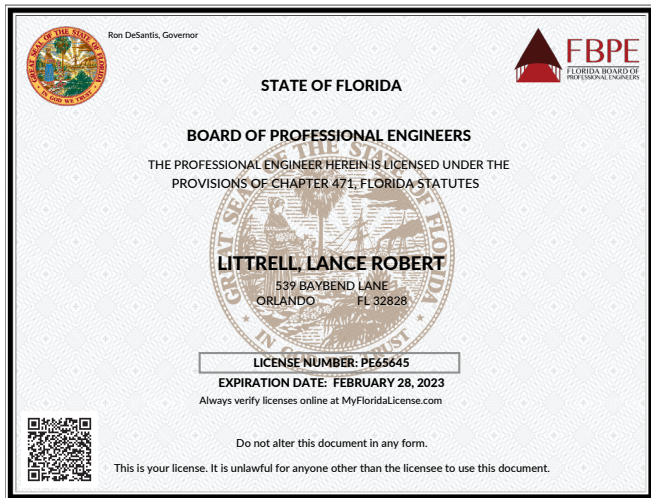
This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Staff Licenses



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**LITTRELL, LANCE ROBERT**  
539 BAYBEND LANE  
ORLANDO FL 32828

LICENSE NUMBER: PE65645  
EXPIRATION DATE: FEBRUARY 28, 2023  
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**The American Academy of Environmental Engineers and Scientists®**

*Certifies That*

**Jill T. Grimaldi**

*Has maintained the requirements for*

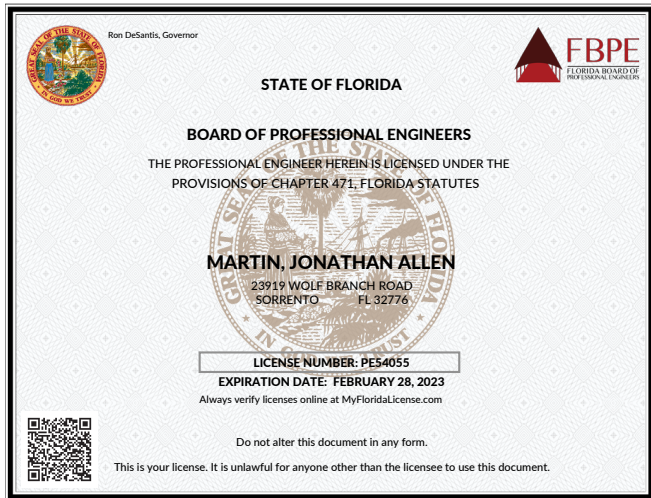
**Board Certified Environmental Scientist**

*in the specialty(ies) of*

**Sustainability Science**

*This certification is valid through 12/31/2021*

Certification Number: **13-60031**



Ron DeSantis, Governor

STATE OF FLORIDA

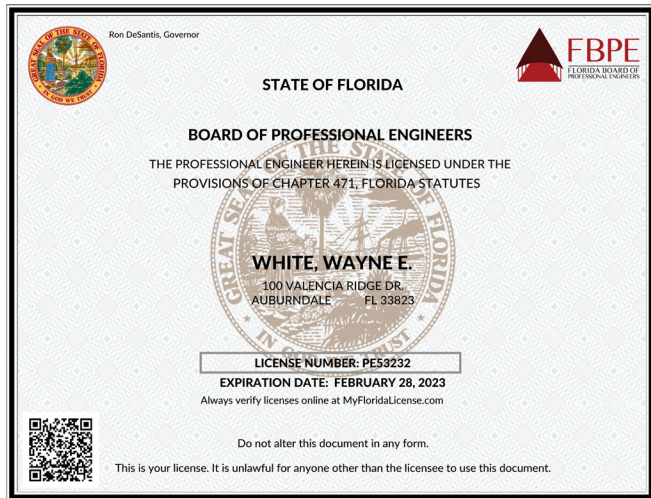
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**MARTIN, JONATHAN ALLEN**  
23919 WOLF BRANCH ROAD  
SORRENTO FL 32776

LICENSE NUMBER: PE54055  
EXPIRATION DATE: FEBRUARY 28, 2023  
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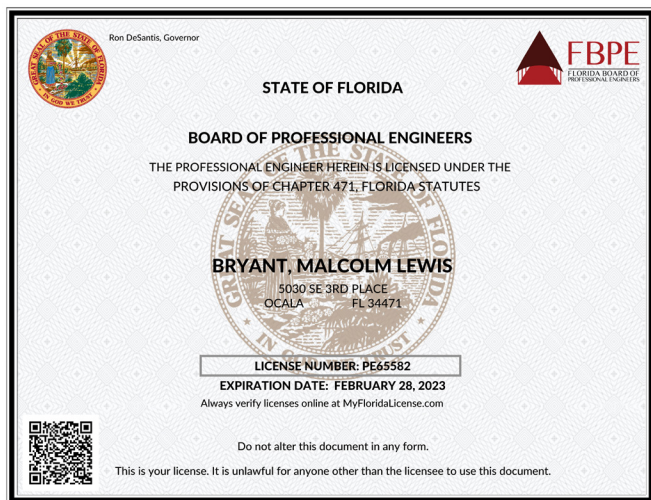
**WHITE, WAYNE E.**  
100 VALENCIA RIDGE DR.  
AUBURNDALE FL 33823

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### Licensee Details

License Information	
Name:	GREELEY, JOSEPH R. (Primary Name)
Main Address:	8930 S Holly S HOLLYBROOK BLVD UNIT 303 PEMBROKE PINES Florida 33025
County:	BROWARD
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	55721
Status:	Current, Active
Licensure Date:	04/26/2000
Expires:	02/28/2023
Special Qualifications	
Civil	Qualification Effective 04/26/2000
Alternate Names	



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**BRYANT, MALCOLM LEWIS**  
5030 SE 3RD PLACE  
OCALA FL 34471


LICENSE NUMBER: PE65582  
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**DORRIS, RHEA JENNY**  
10628 SPRING BUCK TR  
ORLANDO, FL 32825


LICENSE NUMBER: PE88094  
EXPIRATION DATE: FEBRUARY 28, 2023  
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Licensee Details	
<b>Licensee Information</b>	
Name:	ELLIOTT, CARA ANNE (Primary Name)
Main Address:	2471 NE COUNTY RD 219A MELROSE Florida 32666
County:	ALACHUA
License Mailing:	
LicenseLocation:	
<b>License Information</b>	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	91064
Status:	Current,Active
Licensure Date:	03/22/2021
Expires:	02/28/2023
<b>Special Qualifications</b>	
Civil	Qualification Effective 03/22/2021

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**STANLEY, MICHAEL THOMAS**  
101 E SILVER SPRINGS BLVD #400  
OCALA, FL 34470

LICENSE NUMBER: PE88604  
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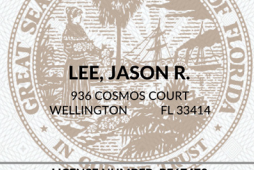


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**LEE, JASON R.**  
936 COSMOS COURT  
WELLINGTON, FL 33414

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**MILLER, MARK DOUGLAS**  
1920 WEKIVA WAY  
SUITE 200  
WEST PALM BEACH, FL 33411

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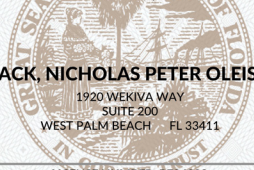


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**BLACK, NICHOLAS PETER OLEISKY**  
1920 WEKIVA WAY  
SUITE 200  
WEST PALM BEACH, FL 33411

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**TEBOW, MATTHEW MICHAEL**  
10603 IVANHOE LN  
WELLINGTON FL 33414

**LICENSE NUMBER: PE82414**  
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**ROMANO, STEPHEN NEIL**  
495 PLANTATION ROAD  
MERRITT ISLAND FL 32952

**LICENSE NUMBER: PE57579**  
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**HUNTER, ALEX TUCKER**  
865 DUSTY PINE DR  
APOPKA FL 32703

**LICENSE NUMBER: PE88634**  
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Licensee Details	
<b>Licensee Information</b>	
Name:	<b>CLAYTON, JAMES ERWIN (Primary Name)</b>
Main Address:	<b>11935 SE SUNSET HARBOR ROAD WEIRSDALE Florida 32195</b>
County:	<b>MARION</b>
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	<b>Professional Engineer</b>
Rank:	<b>Prof Engineer</b>
License Number:	<b>90813</b>
Status:	<b>Current, Active</b>
Licensure Date:	<b>02/16/2021</b>
Expires:	<b>02/28/2023</b>
<b>Special Qualifications</b>	
<b>Civil</b>	<b>Qualification Effective 02/16/2021</b>

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**CARPENTER, ANDREA**  
3117 NORTH EVERGREEN CIRCLE  
BOYNTON BEACH FL 33426

**LICENSE NUMBER: PE83362**  
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**JENSEN, THOMAS CARL**  
15615 ITALIAN CYPRESS WAY  
WELLINGTON FL 33414

**LICENSE NUMBER: PE37290**  
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**HOWARD, FANNIE HUNTER**  
1920 WEKIVA WAY  
SUITE 200  
WPB FL 33407

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**GARRI, ALAN JOHN**  
101 EAST SILVER SPRINGS BLVD  
SUITE 400  
OCALA FL 34470

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State of Florida  
Department of Business and Professional Regulation  
Board Of Professional Geologists

This is to certify that  
**JASON CHAD SHEASLEY**  
has furnished satisfactory evidence of attainments and qualifications, and has complied with all requirements of Chapter 492, Florida Statutes, and is hereby licensed as a  
**Professional Geologist**

In conformity with an act of the Legislature of the State of Florida, creating and regulating the profession.  
License Number: PG 2236  
Date Issued: August 23, 2002

Jeb Bush, Governor  
Tom Scott, Board Chair

Ron DeSantis, Governor

STATE OF FLORIDA

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**ASHBY, BRIAN SCOTT**  
4106 TERIWOD AVE  
ORLANDO FL 32812

LICENSE NUMBER: PE80456  
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**GOU-FAIRCHILD, ANGELINA**  
1920 WEKIVA WAY, STE. 200  
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE43958  
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Licensee Details	
<b>Licensee Information</b>	
Name:	<b>SYNTAX, PETER MICHAEL (Primary Name)</b>
Main Address:	<b>3713 N 12TH 12TH STREET PHOENIX Arizona 85014</b>
County:	<b>OUT OF STATE</b>
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	<b>Professional Engineer</b>
Rank:	<b>Prof Engineer</b>
License Number:	<b>74259</b>
Status:	<b>Current, Active</b>
Licensure Date:	<b>04/02/2012</b>
Expires:	<b>02/28/2023</b>

# Port St. Lucie

## Continuing Engineering Services for Utility Projects



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**GUNGOR, ERKAN**  
6826 E DIAMOND ST  
SCOTTSDALE, AZ 85257


**LICENSE NUMBER: PE85201**

**EXPIRATION DATE: FEBRUARY 28, 2023**

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August 17, 2020

Allison Megrath, AICP  
2026 SW 77th Terrace  
Gainesville, FL 32607

RE: AICP Certification Verification

Please accept this letter as confirmation that Allison Megrath, AICP is a current member, in good standing, of the American Institute of Certified Planners (AICP), the professional institute of the American Planning Association (APA). The official details of the member's certification are:

**AICP Certification Start Date:** 4/1/2005  
**AICP Certification Number:** 019583

AICP is the APA's professional institute, providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

AICP certified planners carry a high mark of distinction because they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interests.

For more information about the requirements to become AICP, please see our website [www.planning.org/aicp](http://www.planning.org/aicp).

Please let us know if we can offer any additional assistance.

Sincerely,

Ryan Zack, Certification Maintenance Associate

The American Planning Association's Professional Institute

1030 15<sup>th</sup> St, NW Suite 750 West  
Washington, DC 20005

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Subconsultant Licenses

EDA, Inc.

### State of Florida Department of State

I certify from the records of this office that ELECTRICAL DESIGN ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on October 8, 1998.

The document number of this corporation is P98000086834.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 27, 2021, and that its status is active.

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

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-seventh day of January, 2021*



*Ronald R. Satter*  
Secretary of State

Tracking Number: 5211864567CC

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

3:15:03 PM 2/25/2021

#### Licensee Details

##### License Information

Name: **ELECTRICAL DESIGN ASSOCIATES, INC. (Primary Name)**  
Main Address: **8401 LAKE WORTH ROAD  
SUITE 221  
LAKE WORTH Florida 33467**  
County: **PALM BEACH**

License Mailing:

License Location:

##### License Information

License Type: **Registry**  
Rank: **Registry**  
License Number: **8079**  
Status: **Current**  
License Date: **11/23/1998**  
Expires:

##### Special Qualifications

Qualification Effective

##### Alternate Names

##### View Related License Information

##### View License Complaint

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: [Customer Contact Center](mailto:CustomerContactCenter@dos.state.fl.us) :: Customer Contact Center: 850-487-1395

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**DONALDSON, DAMEION**

9295 SOLSTICE CIRCLE  
PARKLAND FL 33076

LICENSE NUMBER: PE70851

EXPIRATION DATE: FEBRUARY 28, 2023

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*State of Florida*

**Woman & Minority Business Certification**

**Electrical Design Associates, Inc**

Is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from: 04/26/2021 to 04/26/2023

Jonathan R. Satter, Secretary  
Florida Department of Management Services

Office of Supplier Diversity  
4050 Esplanade Way, Suite 380  
Tallahassee, FL 32399  
850-487-9815  
[www.dms.myflorida.com/od](http://www.dms.myflorida.com/od)

# Port St. Lucie

## Continuing Engineering Services for Utility Projects

### JLA Geosciences, Inc.

## State of Florida Department of State

I certify from the records of this office that JLA GEOSCIENCES, INC. is a corporation organized under the laws of the State of Florida, filed on January 6, 2003, effective January 6, 2003.

The document number of this corporation is P03000001272.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 18, 2021, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Eighteenth day of January,  
2021*



*Randy Behe*  
Secretary of State

Tracking Number: 3783248216CC

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Ron DeSantis, Governor  
Halsey Beshears, Secretary

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS  
THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**ANDERSEN, JAMES LASSEN**  
1907 COMMERCE LANE  
SUITE 104  
JUPITER FL 33458

LICENSE NUMBER: PG1103  
EXPIRATION DATE: JULY 31, 2022  
Always verify licenses online at MyFloridaLicense.com

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This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor  
Halsey Beshears, Secretary

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS  
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PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**MILLER, RODNEY J**  
941 MARLIN CIRCLE  
JUPITER FL 33458

LICENSE NUMBER: PG2504  
EXPIRATION DATE: JULY 31, 2022  
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# Port St. Lucie

Continuing Engineering Services for Utility Projects

## McNabb Hydrogeologic Consulting, Inc.

### State of Florida Department of State

I certify from the records of this office that MCNABB HYDROGEOLOGIC CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 16, 2006, effective August 20, 2006.

The document number of this corporation is P06000106613.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 16, 2020, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Sixteenth day of January, 2020*



*Randy Be*  
Secretary of State

Tracking Number: 8387283488CC

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

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

Ron DeSantis, Governor Halsey Behears, Secretary

Florida **dbpr**

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**


**BOARD OF PROFESSIONAL GEOLOGISTS**  
THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**MCNABB, DAVID MICHAEL**  
MCNABB HYDROGEOLOGIC CONSULTING INC  
4600 MILITARY TRAIL, SUITE 116  
JUPITER FL 33458

LICENSE NUMBER: PG1461  
EXPIRATION DATE: JULY 31, 2022  
Always verify licenses online at MyFloridaLicense.com

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# Port St. Lucie

Continuing Engineering Services for Utility Projects

## Terracon Consultants, Inc.

### State of Florida Department of State

I certify from the records of this office that TERRACON CONSULTANTS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on December 31, 2003.

The document number of this corporation is F0400000114.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 14, 2021, 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 Fourteenth day of January, 2021*



*Ronald DeSantis*  
Secretary of State

Tracking Number: 0263819420CC

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

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

DBPR ONLINE SERVICES						
Licensee: TERRACON CONSULTANTS, INC.						
Name:	TERRACON CONSULTANTS, INC.	License Number:	0030			
Rank:	Registry	License Expiration Date:				
Primary Status:	Current	Original License Date:	02/28/2001			
Related License Information						
License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
0396	Current, Active	ACRES, RICHARD G	Registry	10/29/2018	Professional Engineer	02/28/2023
<a href="#">Return to License Details</a>						
Related License Search						
License Type	View all related licenses					
First Name	Last Name					
License Number						
Expiration Date						
From	to					
<a href="#">Search</a>						

Ron DeSantis, Governor

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**DUNKELBERGER, DOUGLAS SCOTT**

39824 SUMNER LAKE ROAD  
DADE CITY FL 33525

LICENSE NUMBER: PE33317  
EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com

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Ron DeSantis, Governor

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**VELEZ, JAIME ANDRES**

2741 POINTE CIRCLE  
GREENACRES FL 33413

LICENSE NUMBER: PE66416  
EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com

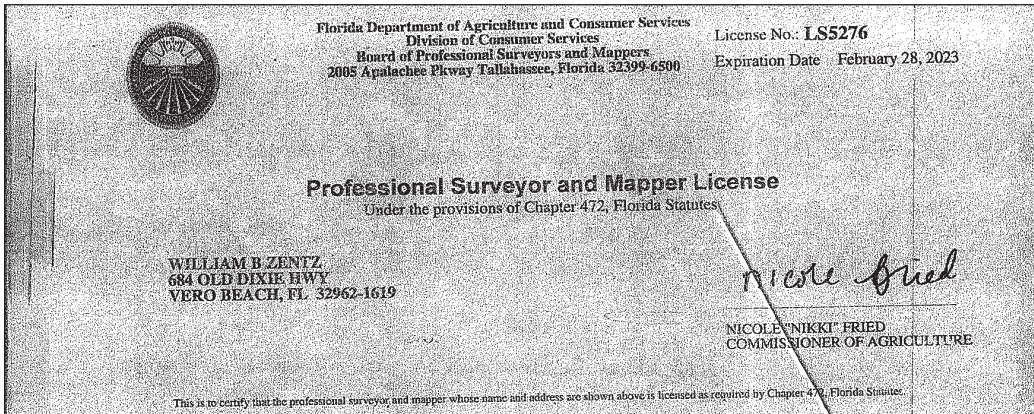
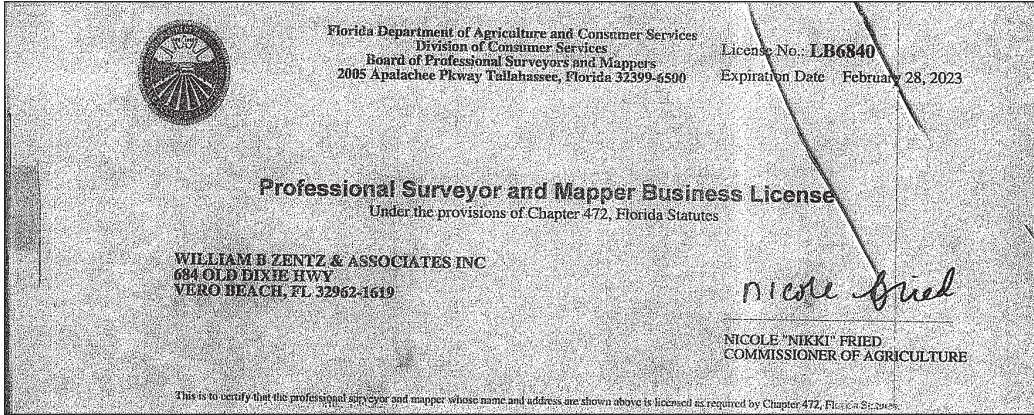
Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

# Port St. Lucie

Continuing Engineering Services for Utility Projects

## William B Zentz & Associates, Inc.



Kimley-Horn and its subsidiaries have provided services in all 50 states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. From time to time, Kimley-Horn will file a lawsuit against a client for unpaid fees. We do not track these cases. In the last five (5) years, Kimley-Horn has had more than 20,906 active projects in Florida, 29 of which had some form of litigation. Of these cases, 5 were dismissed, 16 were settled, and 8 are pending. This represents 0.01387% of all projects completed by Kimley-Horn in Florida over the past ten years. None of the pending cases, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit. No judgments have been entered against Kimley-Horn. Litigation in Florida within the past five (5) years are as follows:

3315 Tower Condominium Association, Inc., v. Tower 3315, LLC, et al; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2020-019825-CA-01; filed 2020; alleged economic loss; settled; closed 2021

Kala Gurley, et al v Marriott, et al: 9th Judicial Circuit Court, Orange County, FL; Case No. 2019CA108550; wrongful death claim; dismissed; closed 2019

Renee Borak, et al v. Simon Property Group, et al: 15<sup>th</sup> Judicial Circuit Court, Palm Beach County; Case No. 16-CA-1148; filed 2016; personal injury claim; settled; closed 2016

Vernon Brown v. Marriott, et al: 9th Judicial Circuit Court, Orange County, FL; Case No. 2019CA0078250; filed 2019; personal injury claim; dismissed; closed 2019

Mark E. Callahan, et al v Gator Delray, et al: 15<sup>th</sup> Judicial Circuit, Palm Beach; Case 2015CA00230; filed 2015; personal injury claim; Kimley-Horn dismissed; closed 2016

Chalks Airline v. Linden Airport Services, et al: United States District Court for the Southern District of Florida; Case No. 15-CV-24322; filed 2015; alleged economic loss; dismissed; closed 2016

Community Asphalt v. Wantman, et al; FDOT; 11th Judicial Circuit Court, Miami-Dade; Cause No. 2018-029816-CA-01; filed 2018; alleged economic loss; pending  
Kathleen Conti v. Simon Property, et al: 15<sup>th</sup> Judicial Circuit Court Palm Beach; Case No. 502017CA008616 Division: AE; filed 2017; personal injury claim; settled; closed 2019

Grande Oaks Association v Kolter, et al; 18<sup>th</sup> Judicial Circuit Court, Seminole County; Case No. 2020-CA-003188; filed 2020; alleged economic loss; pending  
Heron Bay Association, Inc. vs. WCI Communities, LLC, et al; 15<sup>th</sup> Judicial Circuit Court, Broward County; Case No.: CACE16003120; filed 2016; alleged economic loss; settled; closed 2020

Jennifer Lancaster v. VCC, LLC, et al; 15th Judicial District Court of Palm Beach County, Florida; Cause No. 502019CA011526; filed 2019; served 2020; alleged personal injuries claimed; settled; closed 2021

Adrian E. Langford v. Suffolk Construction Co., et al; 12th Judicial Circuit Court, Sarasota County, FL; Cause No. 582020CA005449XXXANC; filed 2020; served 2021; alleged personal injuries claimed; pending

Lunacon Engineering Group v. City of Homestead v. Kimley-Horn, et al: 11<sup>th</sup> Judicial Circuit Court Miami-Dade County, Case No. 2017-000561-CA-01; filed 2017; alleged economic loss; settled; closed 2018

Prime Properties International, LLC v. Kimley-Horn and Associates, Inc.: 10<sup>th</sup> Judicial Circuit Court, Polk County; Case No. 2017CA-002127; filed 2017; alleged economic loss; settled; closed 2017

Medline Industries, Inc. v. McShane Construction Company v. Ware Malcomb, Inc., et al.; 10<sup>th</sup> Judicial Circuit Court, Polk County, FL; Case # 2020-CA-0022790; filed 2020; alleged economic loss; pending

Harris Mitchell v. Frank Anderson, et al; 15<sup>th</sup> Judicial Circuit Court, Palm Beach County, Florida; Case No. 50-2019-CA-006676; filed 2019, served 2020; alleged personal injuries claimed; settled; closed 2020

Morrison-Cobalt JV v. Kimley-Horn and Associates, Inc.; 11<sup>th</sup> Judicial Circuit in and for Miami-Dade County, Florida; Cause No. 2021-013239-CA-01; alleged economic loss; pending

Christ Rose v. Wal-Mart, et al; 17<sup>th</sup> Judicial Circuit Court, Broward County, FL; Cause No. CACE-18-027255; filed 2018; served 2020; alleged personal injuries claimed; settled; closed 2021

Sema Construction, Inc. v. City of Altamonte Springs; 18<sup>th</sup> Judicial Circuit Court, Seminole County; Case No. 215-CA-002951-15-W; filed 2016; alleged economic loss; pending  
Esther Silberman v. The Town Center at Boca Raton, et al; 15<sup>th</sup> Judicial District Court of Palm Beach County, Florida; Cause No. 50-2018-CA-009724-MB; filed 2018; served 2021; alleged personal injuries claimed; pending

Kevin Sona, et al v. Stone Creek Association, et al; Circuit Court of the Fifth Judicial Circuit, Marion County; Case 20CA0026; filed 2020; served 2021; alleged personal injury claimed; pending

Sunset Beach Investments v. Kimley-Horn: 19<sup>th</sup> Judicial Circuit Court, St. Lucie Co; Case 562013CA000383; filed 2013; alleged economic loss; settled; closed 2017

Terrazas Riverpark Village Condominium Association v. Windmoor Project LLC, et al; 11<sup>th</sup> Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2020-017647-CA-01; filed 2020; alleged economic loss; settled 2021

Stacey Vasquez, et al v. Matthew J. West, et al: 13<sup>th</sup> Judicial Circuit Court, Hillsborough County; Case 15-CA-006839; filed 2015; traffic accident, wrongful death claim; settled; closed 2017

Joan Weinstein v. Simon Property, et: 15<sup>th</sup> Judicial Circuit, Palm Beach County; Case 502016CA003199; filed 2016; personal injury claim; settled; closed 2017  
Deontra Williams v. FDOT, et al: 17<sup>th</sup> Judicial Circuit Court, Broward County; Case No. CACE-13-009427; filed 2015; bicycle accident, personal injury claimed; settled; closed 2017

Wal-Mart, et al. v. Bandes Construction, et al; 15<sup>th</sup> Circuit Court, Palm Beach Co; Case No. 2019CA005775; filed 2019; alleged economic loss; settled; closed 2019

Wind Condo Association v Neo Epoch 2, et al: 11<sup>th</sup> Judicial Circuit Court, Miami-Dade; Case 13-31787CA21; filed 2013; alleged economic loss, settled; closed 2016  
Leticia Zavala, et al v Marriott, et al: 9<sup>th</sup> Judicial Circuit Court, Orange County, FL; Case No. 2019CA97810; wrongful death claim; dismissed; closed 2019

# Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

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. <u>Kimley-Horn and Associates, Inc.</u>		
	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 <b>one</b> of the following seven boxes.		4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  Exempt payee code (if any) <u>5</u>  Exemption from FATCA reporting code (if any) _____  <i>(Applies to accounts maintained outside the U.S.)</i>
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input 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) ▶ _____ <b>Note:</b> 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 <b>not</b> 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) ▶ _____		
	5 Address (number, street, and apt. or suite no.) See instructions. <u>421 Fayetteville Street, Suite 600</u>		Requester's name and address (optional)
	6 City, state, and ZIP code <u>Raleigh, NC 27601</u>		
	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 *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>									
<b>or</b>									
<b>Employer identification number</b>									
5	6	-	0	8	8	5	6	1	5

## 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.

<b>Sign Here</b>	Signature of U.S. person ▶	Date ▶ 08/01/2020
------------------	----------------------------	-------------------

## 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](http://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.*





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## CONTRACTOR'S QUESTIONNAIRE

eRFP # 20210093

Solicitation Name: **Continuing Engineering Services for Utility Projects**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of Contractors to perform the work required. The Contractor waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, surety, bank material or equipment manufacturer, or distributor, or any person, firm, or corporation to furnish the City of Port St. Lucie any pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

1. **ORGANIZATIONAL PROFILE**- COMPANY NAME: Kimley-Horn and Associates, Inc.

PHYSICAL ADDRESS: 445 24th Street, Suite 200, Vero Beach, FL 32960

MAILING ADDRESS: 445 24th Street, Suite 200, Vero Beach, FL 32960

TELEPHONE NUMBER: 772.794.4100

FAX NO. 561.845.0665

CONTACT PERSON Brian Good, P.E.

E-MAIL : brian.good@kimley-horn.com

Is the firm incorporated? Yes--No If yes, in what state? Provide a list of officers for this entity.

2. **COMPLETION OF FORM** - An authorized representative of the firm offering this Proposal must complete this form in its entirety. Terms entered herein shall not be subject to withdrawal or escalation by Contractor. The City reserves the right to hold proposals for a period not to exceed one hundred twenty (120) calendar days after the date of the proposal opening stated in the Invitation to Proposal before awarding the Contract. Contract award constitutes the date that City issues an executed Purchase Order.

3. **CONTRACT** - Contractor agrees to comply with all requirements stated in the specifications for this RFP.

4. **AGREEMENT** - Contractor agrees to comply with all requirements stated in the specifications for this RFP.

### **CERTIFICATION:**

This RFP is submitted by: Name (print) Brian Good, P.E., Principal-in-Charge who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this solicitation



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response is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud.

The Contractor understands that information contained in this Solicitation Reply will be relied upon by City in awarding the proposed Contract and such information is warranted by the proposer to be true. The undersigned Contractor agrees to furnish such additional information, prior to acceptance of any solicitation relating to the qualifications of the proposer, as may be required by the City.

I certify that the information and responses provided on this Solicitation are true, accurate and complete. The City may contact any entity or reference listed in this Proposal. Each entity or reference may make any information concerning the Contractor available to the City.

I agree to abide by all conditions of this RFP:

Signature: [Handwritten Signature] Title: 8/16/2021

If a corporation renders this Proposal, the corporate seal attested by the secretary shall be affixed below. Any agent signing this Proposal shall attach to this form evidence of legal authority.

Witnesses:

If Partnership:

Print name

Print Name of Firm

Print name

By:

(General Partner)

Print name

If Corporation:

Kimley-Horn and Associates, Inc.

Print Name of Corporation

If Individual:

Signature

By: [Handwritten Signature] (President)

Print Name

Attest: [Handwritten Signature] (Secretary)







**SUPPLIER LOCATION CERTIFICATION**  
Attachment D - PSL Location Form

The undersigned, as a duly authorized representative of the Supplier listed herein, certifies to the best of their knowledge and belief, that the Supplier's location is correctly reflected based upon the below information. For purposes of this section, "Location" shall mean a business which:

- a) How far is the Supplier's fixed office or distribution point located from City Hall; and
- b) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Complete the following and upload this document and the Google Maps print out to the required sourcing platform:

Business Name: Kimley-Horn and Associates, Inc.	
Current Local Address: 445 24th Street, Suite 200, Vero Beach, FL 32960	Phone: 772.794.4100
Length of time at this address: 34	Fax: 561.863.8175
Please provide your prior business address if the above address has been for less than one (1) year, prior to the issuance of this solicitation.	
Length of time at this address:	
Home Office Address:	Phone:
Length of time at this address:	Fax:

(Signed)

(Title) Principal-in-Charge



STATE OF FLORIDA     }  
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this (Date) 8/16/2021

by: Brian Good, P.E., Principal-in-Charge who is personally known to me or who has produced

as identification and who did (did not) take an oath.

Notary (print & sign name) Myrtha Rodriguez Villarreal Commission No. GG218720



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**NOTICE TO ALL PROPOSERS:**

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The **"Cone of Silence"** is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the [City of Port St. Lucie Ordinance 20-15, Section 35.13](#). Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Mr. **Jason Bezak**, Issuing Officer, for the procurement of these services.


All questions regarding this Solicitation are to be submitted in writing to Jason Bezak, Procurement Agent I with the Procurement Management Department via e-mail [JBezak@cityofpsl.com](mailto:JBezak@cityofpsl.com), or by phone 772-344-4068. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

\*NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.

**I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.**

Typed Name: \_\_\_\_\_  
Signed:  \_\_\_\_\_  
Company and Job Title: \_\_\_\_\_  
Date: \_\_\_\_\_



"A City for All Ages"

**eRFP #20210093**

## **ATTACHMENT F - CONSULTANT'S CODE OF ETHICS**


The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

- ◆ A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Consultant will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and

localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written anti-discrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer Kimley-Horn and Associates, Inc.

Signature  \_\_\_\_\_

Printed Name and Title Brian Good, P.E., Principal-in-Charge

Date 8/16/2021

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to contractors. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable contractor contract. In the case of any discrepancies between it and the law, regulation(s) and/or contractor contract, the law, regulatory provision(s) and/or vendor contract shall prevail.



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E-Verify Form
Attachment G - E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

- 1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 412062
Date of Authorization May 2, 2011
Name of Contractor Kimley-Horn and Associates, Inc.
Name of Project Continuing Engineering Services for Utility Projects
Solicitation Number (If Applicable) 20210093

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on August 16, 2021 in Vero Beach (city), FL (state).

Handwritten signature of Brian Good

Signature of Authorized Officer

Brian Good, P.E., Principal-in-Charge

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 16 DAY OF August, 2021.

NOTARY PUBLIC [Signature]

My Commission Expires: May 16, 2022





**NON-COLLUSION AFFIDAVIT**

**Solicitation # 20210093**

**Continuing Engineering Services for Utility Projects**

State of Florida

County of Orange }

Brian Good, P.E., being first duly sworn, disposes and says that:  
(Name/s)

1. They are Principal-in-Charge of Kimley-Horn and Associates, Inc. the Proposer that  
(Title) (Name of Company)


has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed)   
(Title) Principal-in-Charge



"A City for All Ages"

STATE OF FLORIDA }  
COUNTY OF ST. LUCIE } SS:

The foregoing instrument was acknowledged before me this (Date) 8/16/2021

by: Brian Good, P.E. who is personally known to me or who has produced  
\_\_\_\_\_ as identification and who did (did not) take an oath.

Commission No. GG218720

Notary Print: Myrtha Rodriguez Villarreal

Notary Signature: \_\_\_\_\_

A handwritten signature in blue ink, appearing to read "Myrtha Rodriguez Villarreal", is written over a horizontal line.



Attachment I - Drug Free Workplace Form  
**DRUG-FREE WORKPLACE FORM**  
**eRFP # 20210093**  
**Continuing Engineering Services for Utility Projects**

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that

Kimley-Horn and Associates, Inc. does:  
(Name of Business)

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 proposal 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 proposal, 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 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

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

  
\_\_\_\_\_  
Bidder's Signature

8/16/2021

Date:





"A City for All Ages"

**TRUTH-IN-NEGOTIATION CERTIFICATE**

Solicitation# 20210093

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City of Port St. Lucie, Florida requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

Kimley-Horn and Associates, Inc.

Name of Firm

Brian Good, P.E., Principal-in-Charge

President or Designee (Printed)



President or Designee (Signed)

The foregoing instrument was acknowledged before me by Brian Good, P.E. who is personally known to me. WITNESS my hand and official seal in the County of Orange, Florida last aforesaid this 16 day of August, 2021.


(SEAL)



Signature

Myrtha Rodriguez Villarreal

Notary Name (typed or printed)



Notary Name (signed)

## Kimley-Horn - List of Officers – 2021

Steven Lefton – President/Director

Tammy Flanagan – Senior Vice President, CFO

Richard Cook – Senior Vice President, Secretary

David McEntee – Vice President, Treasurer

John Atz – Director/Chairman

Barry Barber- Director

Stephen Blakley- Director

Scott Colvin – Director

Paul Danielson – Director

William Dvorak – Director

Brian Good – Director

James Hall – Director

Emmeline Montanye – Director

Brent Mutti – Director

Brooks Peed – Director