



**Design and Construction Administration Services for Backup
Electrical Power Generators for** Sewer Lift Stations E-01, E-03, E-06,
W-14, W-15 AND STORMWATER PUMP STATION SW-08

Project No. 20-8532

prepared for: **Hollywood** CITY OF
FLORIDA

prepared by: **Kimley»Horn**



**Design and Construction Administration
Services for Backup Electrical Power
Generators for Sewer Lift Stations; E-01,
E-03, E-06, W-14, W-15 & Stormwater
Pump Station SW-08**

Kimley»Horn

355 Alhambra Circle, Suite 1400
Coral Gables, FL 33134
(305) 673-2025

*Juan Jimenez, P.E.
Project Manager
juan.jimenez@kimley-horn.com*

May 28, 2020



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1. LETTER OF TRANSMITTAL



May 28, 2020

Clece Aurelus, P.E., Interim Assistant Director, Public Utilities
City of Hollywood
Office of the City Clerk
2600 Hollywood Blvd., Room 221
Hollywood, Florida 33020

Re: Design and Construction Administration Services for Backup Electrical Power Generators for Sewer Lift Stations E-01, E-03, E-06, W-14, W-15 and Stormwater Pump Station SW-08; Project No. 20-8532

Dear Members of the Selection Committee:

Kimley-Horn is pleased to submit our qualifications to provide Design and Construction Administration Services for Backup Electrical Power Generators for several Sewer Lift Stations and a Stormwater Pump Station. Kimley-Horn has had the opportunity to serve the City of Hollywood since 1997; we have continued to serve as the City's trusted advisor through our current General Utility Engineering Services contract. We understand the City needs a consultant with extensive relevant experience and familiarity with the needs of the community—a consultant who has a track record of listening to your needs and solving your specific challenges. Kimley-Horn has been that consultant for you for other services and we want to extend your trust in us for this project.

Project Understanding. Kimley-Horn fully understands the need to strengthen the City's infrastructure; these backup electrical power generators are part of the City's resiliency efforts to mitigate the loss of power that inevitably occurs during strong storm events. The loss of power could result in violation of permit regulations, threatening public health, endangering the environment, and damage private and public properties. We understand the generators will provide a means of fulfilling the City's commitment to provide safe, reliable, and continuous sanitary sewer and flood protection services to its residents and customers. Our team is fully prepared to aid the City in hardening infrastructure; from design, permitting, and project coordination to FEMA and grant coordination and construction phase services, Kimley-Horn is immediately available to serve the City with a multidisciplinary approach.

Expertise of Design Staff. As your project manager, I serve as the City of Hollywood's personal point of contact with full authority to make decisions that benefit the City. Through our current on-call contract, I have assessed this project's needs and have hand selected the appropriate team members to serve you, most of whom you are familiar with. I have the experience required to develop appropriate targets, tailor suitable courses of action, and provide timely decision making for any unexpected challenges that may arise. You know you can rely on Kimley-Horn to continue to provide intuitive local awareness and leadership, offering responsive service coupled with creative, technical solutions and exceptional client service for this project. There is no learning curve because of our firm's familiarity with the City of Hollywood's standards, procedures, processes, and preferences.

Additionally, we have included **McKim & Creed**, a consulting firm specializing in electrical and instrumentation engineering and construction with a long history of serving the City, including the recent design and construction oversight for the electrical and controls system upgrades to the High Service Pump Station for the City's Water Treatment Plant. Additionally, we've included three firms who are currently serving on our team for other City of Hollywood projects: **Gibbs Land Surveyors** for survey, **Nutting Engineers of Florida, Inc.** for geotechnical, **T2 Utility Engineers** (formerly Cardno) for subsurface utilities exploration (SUE), and **Archaeological and Historical Conservancy, Inc.** for archaeological assessment.

Previous Performance. Kimley-Horn has been serving utility and municipal clients since our inception in 1967. Our staff includes water/wastewater and utility engineers, planners, hydrogeologists, and support professionals who serve local municipalities and agencies. Since 2009, Kimley-Horn has worked with the City under a General Infrastructure Agreement on a variety of utility and infrastructure projects, including force main upgrades to South Park Road and a 6-inch to 16-inch Water Main Replacement Program. As we have provided in our Consultant Profile in Tab 3, our expertise includes extensive lift station and pump station experience in South Florida and throughout the state. We invite you to contact our references we have provided to hear firsthand our complete understanding and level of performance on similar projects.



Workload. Kimley-Horn has many project management and reporting procedures to meet and maintain schedule and budget. *Based on these reporting procedures, our team is immediately available to serve the City on this project.* We will work with the City to define project scoping, implementation, scheduling, management, budgetary monitoring, and quality assurance. We will also provide all team members with our approved project management plan that includes agreed upon scope of services, staff hours, as well as a project schedule which includes a list of critical milestones. Our schedule will be updated monthly to ensure progress is being continuously made. In the event a task is falling behind, we will assign additional resources to get it back on track.

Principal Location. Kimley-Horn's local Miami office, located less than 25 miles from the City's offices, will serve as the primary office responsible for the actual production of work related to this project to provide a strong local presence and maximize our local staff. Kimley-Horn has had an office in the Miami area since 1995 and currently has a staff of 66. From this location, we will work diligently, encouraging open communication to keep the City of Hollywood informed about project activity and primary schedule achievements.

Ability to Complete Projects on Time and Within Budget. Kimley-Horn's approach to serving the City of Hollywood, as we have demonstrated before, will include our commitment to responsiveness and a strategy to analyze the available options and comprise realistic schedules, so that this project approach will be developed with a sound competitive budget. We recognize comprehensive knowledge and a thorough understanding of project issues is essential for project success; we have this firsthand familiarity through our current endeavors with the City. It requires keen awareness of the City's procedures and guidelines, close coordination with public agencies, and interaction with the community. Our team is equipped to handle the anticipated project requirements and is well-versed with the City's standards and specifications. As your project manager, I have a strong passion and commitment to serve the City of Hollywood. I have often worked atypical hours to complete critical projects, even when under short notice and tight time constraints. I will mobilize our project team immediately for any short-fuse request, expertly coordinating all project efforts.

Experience with FEMA and the State Granting Process. We understand that obtaining and maintaining successful funding sources is critical to your project. As of 2019, *Kimley-Horn has provided assistance to our clients that have resulted in more than \$247 million in grants and outside funding.* We have developed a resource library of information on state and federal funding sources and will assist you in making the most of available resources. Specifically, Kimley-Horn has worked closely with the Federal Emergency Management Agency (FEMA) on projects throughout Florida.

The successful and timely completion of this project requires a consulting team with exceptional credentials and similar project experience—a team that knows the local issues and will offer you an insider's approach to the project. Our long-standing relationships with our teaming partners will allow us to seamlessly work together to better serve you.

Kimley-Horn is committed to seeing this project through to completion and will provide the City with feasible engineering solutions, cost-saving alternatives, and the quality and depth of staff to serve you efficiently and responsively. The Kimley-Horn team is up to the challenge, and we look forward to continuing our partnership.

Sincerely,
KIMLEY-HORN

Juan Jimenez, P.E.
Project Manager

Wayne White, P.E.
Principal-in-Charge

As a Vice President with the firm, Wayne White, P.E. is authorized to make representations for Kimley-Horn.
189 S. Orange Ave, Suite 100, Orlando, FL 320801; (407) 459-8168

2. QUALIFICATIONS STATEMENT AND SUBMITTAL QUESTIONNAIRE (ATTACHMENT A)

Attachement A, Engineering Services Qualification Statement and Submittal Questionnaire, is provided in the following pages.

ENGINEERING SERVICES QUALIFICATION STATEMENT
AND SUBMITTAL QUESTIONNAIRE

PROJECT NAME: PROFESSIONAL ENGINEERING SERVICES
DESIGN AND CONSTRUCTION ADMINISTRATION
SERVICES FOR BACKUP ELECTRICAL POWER
GENERATORS FOR SEWER LIFT STATIONS; E-01, E-
03, E-06, W-14, W-15 & STORMWATER PUMP STATION
SW-08

PROJECT NO.: 20-8532

1. FIRM NAME & OFFICE LOCATION (Mailing Address and Street Address)

Name: **Kimley-Horn and Associates, Inc.**

Mailing Address:

Street/PO

Box 355 Alhambra Circle, Suite 1400

City Coral Gables State FL Zip 33134

Physical Address (if different from above):

Street Same as above

City State Zip

Phone (305) 673 - 2025 Ext Fax (561) 863 - 8175

Primary E-Mail

Address: Juan.Jimenez@kimley-horn.com (Project Manager)

Web Site

Address: www.kimley-horn.com

Contacts:

1. Name: Juan Jimenez, P.E. Title: Project Manager

2. Name: Wayne White, P.E. Title: Principal-in-Charge

2. TYPE OF ORGANIZATION

A. Check One:

☒ Corporation (complete Section B and G)

☐ Sole Proprietorship (complete Section D)

☐ Other (complete Section F and G)

☐ Partnership (complete Section C and G)

☐ Joint Venture (complete Section E and G)

B. If a Corporation, State incorporated:

Date of
Incorporation: February 10, 1967

State in which
Incorporated: North Carolina

If an out-of-state corporation that is currently
authorized to do business in the State of Florida, give
the date of such authorization: April 24, 1968

Name and Titles of Principal Officers	Date Elected
<u>John C. Atz, Chairman</u>	<u>4/29/18</u>
<u>Steven E. Lefton, CEO, President</u>	<u>4/29/18, 4/17/16</u>
<u>Richard N. Cook, Senior Vice President, Secretary</u>	<u>4/23/06, 4/21/02</u>
<u>Tammy L. Flanagan, Vice President, CFO</u>	<u>4/26/16</u>
<u>David L. McEntee, Vice President, Treasurer</u>	<u>1/1/14, 12/19/13</u>

C. If a Partnership, State formed:

Date of
Partnership: _____

Type of Partnership (General or
Limited): _____

Names and Addresses of Partners: _____

D. If Joint Venture, State formed:

Date of Joint
Ventureship: _____

Names and Addresses of Joint Venturers: _____

E. If a Sole Proprietorship, State created:

Name and Address of Sole Proprietor: _____

F. If other than above, please describe:

G. a. Related Parent Company, Divisions, and Subsidiaries:
(Attach additional information on other office locations, if appropriate)

Kimley-Horn and Associates, Inc. is wholly owned by Associates Group Services, Inc.

which is wholly owned by APHC, Inc. APHC, Inc. is owned by individuals that

are Kimley-Horn employees.

Please attach the following:

- b. Corporate Organization Chart
- c. Resumes of Principal Staff
- d. Corporate Family Tree
- e. Company Brochure/Annual Report

Management organization chart is provided at the end of this section. Proposed project team organization chart is provided in Section 3 (Profile of Consultant). See Section 3 (Profile of Consultant).
Provided at the end of this section.
Provided at the end of this section.

3. EMPLOYEES AND PERSONNEL Provide a separate listing for personnel at the corporate (national) level, with the state (Florida) level and for the local office.

Permanent Office Staff	Number	Avg. Years With Firm		
		1-5	5-10	10+
Administrative	2		1	1
Project Management	16	1	8	7
Engineers	25	7	11	7
Design/Drafting	2	1	1	
Computer Services	1		1	

Permanent Office Staff	Number	Avg. Years With Firm		
		1-5	5-10	10+
Clerical /Technicians	3	1	1	1
Procurement	N/A			
Project Control and Estimating	N/A			
Construction Management	N/A			
Research and Development	N/A			

Local Office Location:

355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134

Personnel in Organization by Discipline.

Discipline	Engineers		Designers
	Reg	Total	Total
Civil	25	25	2
Sanitary			
Structural			
Mechanical			
HVAC			
Process			
Electrical			
Instrumentation			
Industrial			

Discipline (Procurement)	Personnel
Capital Equipment Buyers	<u>N/A</u>
Subcontract Administrators	<u>N/A</u>
Bulk Material Buyers	<u>N/A</u>
Inspection/Expediting	<u>N/A</u>
Clerical/Technical Support	<u>N/A</u>

Discipline (Construction Management)	Personnel
Field Superintendents	<u>N/A</u>
Home Office Management	<u>N/A</u>
Planners (Site, City, Community)	<u>0</u>
Architects	<u>0</u>
Other	<u></u>

Maximum Man-Hours Available Per Year:	<u>124,800</u>
Current Estimated Man-Hours Per Year:	<u>68,640</u>

4. FINANCIAL INFORMATION

A. Attach a copy of current audited income statement and balance sheet.

A copy of Kimley-Horn's most recent financial statement is provided in the "original" copy only in a separate, sealed envelope.

5. WORK EXPERIENCE:

A. Types of Services Provided (Check Yes or No)

	Yes	No		Yes	No
Feasibility Studies	☒	☐	Stress Analysis*	☒	☐
Drawings					
Preparation of Specifications	☒	☐	Pipeline	☒	☐
Construction Mgmt. Services	☒	☐	Surveying	☒	☐
Process Problem Analysis	☒	☐	Direct Hire Field Construction	☐	☐
Energy Conservation Studies	☒	☐	Detailed Instrumentation & Control	☒	☐
Soil and Foundation Studies	☐	☐	Process Design	☒	☐
Foundation Design	☒	☐	Equipment Design	☐	☐
Structural Design	☒	☐	Detailed Electrical	☐	☐
Testing Capability	☒	☐	Detailed Piping Design	☒	☐
Detailed Mechanical	☒	☐	Construction Management	☒	☐

Procurement ☐ ☒ Inspection/Expediting ☒ ☐

B. Drafting Method Utilized:

*Manual ☐ Computer ☒ If Computer, What Program: AutoCAD Civil 3D

C. Please attach summaries for projects, related to the type of work to be awarded as a result of this submittal, completed by your firms including:

- 1) Location of project and client See Section 3 (Profile of Consultant).
- 2) Description of project
- 3) Your scope of involvement in project
- 4) Contract type (e.g. reimbursable/fixed fee/fixed price)
- 5) Approximate value of contract
- 6) Duration of work
- 7) Project Manager Utilized

6. EXPERIENCE WITH THE CITY OF HOLLYWOOD

**A. Most Recent City of Hollywood Work Experience:
(Date/Location/Description)**

Water Main Replacement - Project 11-5110; Completed 9/2015

Water Main Replacement - Project 12-5114; Completed 6/2017

Water Main Replacement - Project 14-5122; Completed 5/2020

See attachment for complete list of City of Hollywood projects from the last five years.

**B. Current City of Hollywood Engineering services agreement, if any:
(Agreement Number/Expiration Date/Location/Description)**

Professional Services Agreement for General Consulting Services Water and

Sewer Infrastructure Projects; City Project No. 08-1214A; ongoing; City of Hollywood;

Continuing Services Agreement

7. SUBCONTRACTED SERVICES:

List Subcontractor/ Sub-consultant firms expected to be utilized, and their portion of the work below:

Name of Firm	Area of work to be Performed under this agreement
McKim & Creed	Electrical Engineering
Gibbs Land Surveyors, Inc.	Survey
Nutting Engineers of Florida, Inc.	Geotechnical
T2 Utility Engineers	Subsurface Utility Exploration
Archaeological and Historical Conservancy, Inc.	Archaeological Assessment

Also, provide resumes of individuals from these firms whom the Subcontractors shall utilize for completion of the construction.

See Section 3 (Profile of Consultant).

Identify those subcontractors that are Minority/Women's Business Enterprises and repeat required information in "Minority/Woman Business Participation", below for said Subcontractors. (THIS REQUIREMENT FOR M/WBE INFORMATION IS VOLUNTARY)

Not applicable.

8. BUSINESS SIZE AND CLASSIFICATION

A. Size (check one)

☐ Small

A domestic concern that normally employs less than 500 persons, or as defined by section 3 of the Small Business Act.

☒ Large

A domestic concern which, including domestic and foreign divisions and affiliates, normally employs 500 or more persons, is independently or publicly owned or controlled and operated and

which may be a division of another domestic or foreign concern.

f. B. Classification (check where applicable; may be more than one)

☐ Foreign:

A concern which is not incorporated in the United States or an unincorporated concern having its principal place of business outside the United States.

☐ Minority:

A business, at least 50% of which is owned by minority group members, or, in case of publicly owned businesses, at least 51% of the stock of which is owned by minority group members. For the purpose of this definition, minority group members are Black-Americans, Hispanic-Americans, American-Orientals, American-Indians, American-Eskimos, and American-Aleuts.

(THE REQUIREMENT FOR M/WBE INFORMATION IS VOLUNTARY)

☐ Women:

A business that is at least 51% owned and controlled by a woman or women. (THE REQUIREMENT FOR M/WBE INFORMATION IS VOLUNTARY)

☐ Nonprofit:

A business or organization that has received nonprofit status under IRS Regulation 501C3.

☐ Sheltered:

A sheltered workshop or other equivalent business basically employing the handicapped.

Please indicate in the space below how your firm complies with the definitions selected above.

Kimely-Horn has a company policy of meeting or exceeding our clients' state minority business

participation goals. Kimley-Horn is not a certified MBE firm, but through our corporate policies and

philosophy, the firm actively seeks to encourage and promote the use of MBE firms.

9. PROFESSIONAL ENGINEER'S LICENSE:

Respondent must hold a valid State of Florida Professional Engineer's License to be considered a qualified bidder.

State of Florida Professional Engineer's License

No.:

CA696

Date: Expires: February 28, 2021

Primary

Classification:

Civil

10. QUALIFICATION FORM PREPARED BY:

Name (print or type): Juan Jimenez, P.E.

Title: Project Manager

Signature: 

Address: 355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134

Telephone Number: 305.673.2025

Kimley-Horn Miami Office Staff

Name	Title
Denise Masconi	Administrative Asst
Lexy Kaptaine	Administrative Asst
Wladimir Ramirez	CADD Operator
Scott Wilkerson	Civil Analyst
Victor Venezia Narce	Civil Analyst
Maria Gonzalez	Civil Analyst
Luciana Casalino	Civil Analyst
Ximena Lugo	Civil Analyst
Alejandro Toural	Civil Analyst
Chaddi Jurdi	Civil Analyst
Chris Iduate	Civil Analyst
Eric Zambrano	Civil Analyst
Jessica Carralero	Civil Analyst
Ellen Crist	Civil Analyst
Ana Sicilia-Viosca	Civil Analyst
JP Gonzalez	Civil Analyst
Matthew Moro	Civil Analyst
Jamil Pierre	Civil Analyst
Dimitri Haacke	Civil Analyst
Lilian Fernandez	Civil Analyst
Alexander Barandica	Civil Analyst
Maria Hernandez	Civil Analyst
Mike Notarfrancesco	Civil Analyst
Eli Gonzalez	Civil Analyst
Priya Kumbhojkar	Civil Analyst
Gabe Romanach	Civil Analyst
Juan Fuentes	Civil Engineer
Anthony Alfred	Civil Engineer
Ally Goolabsingh	Civil Engineer
Jose Rivera-Rios	Civil Engineer

Name	Title
Paul Carballo	Civil Engineer
Ken Pasken	Civil Engineer
Jackie Carreno	Civil Engineer
Artem Strunnikov	Civil Engineer
Alberto Herrera	Civil Engineer
Gabriela Ramirez	Civil Engineer
Derrick Lewis	Civil Engineer
Brenda Westhorp	Civil Engineer
Barton Fye	Civil Engineer
Maggie Giraldo	Civil Engineer
Armando Lopez	Civil Engineer
Brandon Sansaricq	Civil Engineer
Noel Ramirez	Civil Engineer
Leonte Almonte	Civil Engineer
Mike Marrero	Civil Engineer
Juan Jimenez	Civil Engineer
Burt Baldo	Civil Engineer, SVP
Aaron Buchler	Civil Engineer, SVP
Bob Lepore	Civil Engineer, VP
Jorge Fernandez	Civil Engineer, VP
Julio Collier	Civil Engineer, VP
Jose Lopez	Designer
Andrew Alfaro	IT Analyst
Matthew Wisniewski	LA Professional
Carlos Firpi Nieves	Landscape Arch Analyst
Michelle Latte	Landscape Arch Analyst
Gregory Gonzalez	Landscape Arch Analyst
Ben Johnson	Landscape Arch Analyst
George Puig	Landscape Architect
Dave Campbell	Region Prod Mgr

As of May 21, 2020, Kimley-Horn employs 4,320 people nationwide and 837 within the Florida region. It is not feasible to provide personnel information for all employees.

Kimley-Horn and Associates, Inc. Principal Officers and Directors

PRINCIPAL OFFICERS:

Names/Titles	Business Address	Phone Number	Date of Position
John C. Atz, Chairman	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561.845.0665	04/29/18
Steven E. Lefton, CEO, President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703.674.1300	04/29/18, 04/17/16
Richard N. Cook, Senior Vice President, Secretary	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919.677.2000	04/23/06, 04/21/02
Tammy L. Flanagan, CFO, Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919.677.2000	4/26/16
David L. McEntee, Vice President, Treasurer, Assistant Secretary	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919.677.2000	01/01/14, 12/19/13

DIRECTORS:

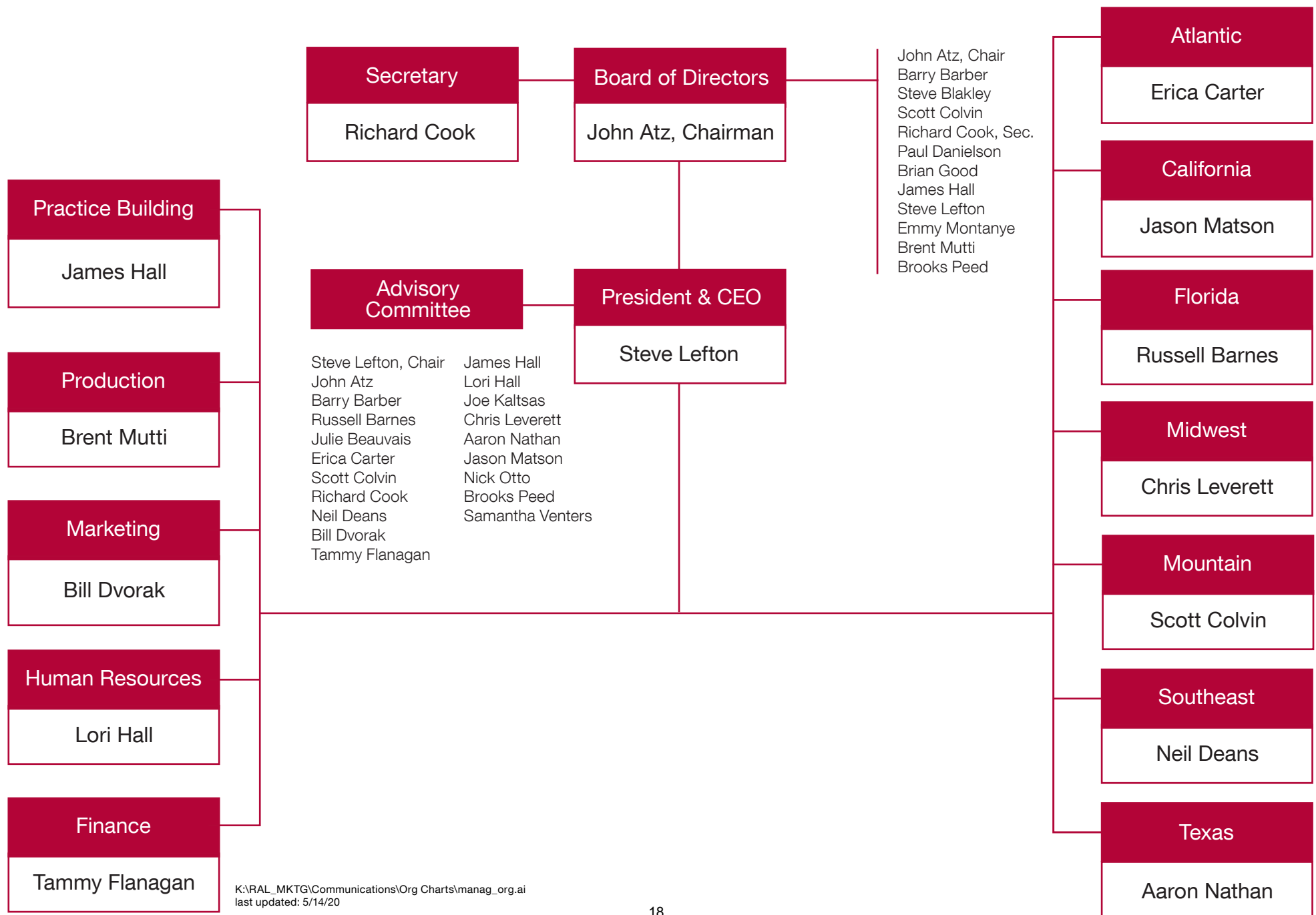
Names/Titles	Business Address	Phone Number	Date of Position
John C. Atz, Chairman	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	919.677.2000	04/29/18
Barry L. Barber, Executive Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919.677.2000	06/01/09
Stephen W. Blakley, Senior Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704.333.5131	01/08/09
Paul B. Danielson, Senior Vice President	767 Eustis Street, Suite 100, St. Paul, MN 55114	651.645.4197	10/27/15
William E. Dvorak, Jr. Senior Vice President	111 West Jackson Boulevard, Suite 1320, Chicago, IL 60604	312.726.9445	06/04/07
David S. Goldman, Vice President	12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258	904.828.3900	01/03/07
James R. Hall, Senior Vice President	13455 Noel Road, Suite 700, Dallas, TX 75240	972.239.3820	01/03/07
Steven E. Lefton, CEO, President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703.674.1300	04/29/18, 04/17/16
Emmeline F. Montanye, Senior Vice President	817 West Peachtree Street, NW, Suite 601, Atlanta, GA 30308	404.419.8700	04/17/16
Brent H. Mutti Senior Vice President	7740 N 16 th Street, Suite 300, Phoenix, AZ 85020	602.944.5500	04/23/17
Brooks H. Peed, Chairman Emeritus	445 24 th Street, Suite 200, Vero Beach, FL 32960	772.794.4100	05/02/94
Michael G. Schiller, Executive Vice President	7740 N 16 th Street, Suite 300, Phoenix, AZ 85020	602.944.5500	05/01/08
G. Bradbury Tribble, Senior Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214.420.5600	04/24/14

Ownership: Kimley-Horn and Associates, Inc. is wholly owned by Associates Group Services, Inc., which is wholly owned by APHC, Inc., which is owned by over 400 Kimley-Horn employees, none of which own 5% or more of the outstanding shares.

City of Hollywood Projects (Last Five Years)

Project Name	PM	Project Start Date	Project Category
HOLLYWD A1A LANE REDUCT.	MUFLEH, MARWAN	2017-06-16	Rdwy/Struct/Bridge
HOLLYWOOD STREETSCAPES	HAIGH, JONATHAN	2016-01-16	Land Plan/Arch
HOLLYWOOD LAP	AIKEN, MEREDITH	2017-06-01	Environmental
WM REPL PROGR 16-5134	JIMENEZ, JUAN	2017-07-13	Integrated Water
WM REPL PROGR 11-5110	JIMENEZ, JUAN	2013-07-25	Integrated Water
WM REPL PROGR 12-5114	JIMENEZ, JUAN	2014-07-16	Integrated Water
WM REPL PROGR 14-5112	JIMENEZ, JUAN	2018-04-16	Integrated Water
N CENTRAL SEPTIC TO SEWER	JIMENEZ, JUAN	2017-01-01	Integrated Water
PHASE IV STREET CONFIG HLWD	TAXMAN, DAVID	2018-10-01	Transportation
DIXIE HIGHWAY WASHINGTON	ROBERTSON, STEWART	2019-05-01	Transportation
ST LANE ELIM PHASE4 BOARD	HEGGEN, CHRISTOPHER	2019-06-16	Transportation
PRESENTATION PH IV	MUFLEH, MARWAN	2019-07-16	Rdwy/Struct/Bridge
UNDERGROUNDING ATP2 ATP #	MUFLEH, MARWAN	2019-08-16	Rdwy/Struct/Bridge
3 PUBLIC MEETING	MUFLEH, MARWAN	2019-10-01	Rdwy/Struct/Bridge
ATP # 3 PUBLIC MEETING	MUFLEH, MARWAN	2019-10-01	Rdwy/Struct/Bridge

2020 Management Organization



Kimley»»Horn

Expect More. Experience Better.

Water Utilities

Utility clients nationwide benefit from Kimley-Horn's design of cost-effective water and wastewater facilities. From plan to design to implementation, our engineers will help make your operations a success.

NC 50 Pump Station and Force Main



Crabtree Creek Interceptor Improvements



Jenny Creek Elevated Sewer, CA



NC 50 Pump Station and Force Main

Kimley-Horn can design new conveyance solutions or integrate existing, small systems into larger regional structures.

Water Utilities Conveyance

When it comes to moving and storing water, Kimley-Horn's professionals are masters at tackling the toughest challenges. We can design new conveyance solutions or integrate existing, small systems into larger regional structures. Our system designs can include treatment facilities, pump stations, gravity systems, and pressure system design. We also have extensive, proven experience developing innovative approaches to the rehabilitation of aging or under-sized systems in developed parts of our communities. From neighborhood distribution systems to cross-country transmission, we get water to its final destination.

Water Utilities Treatment

Kimley-Horn has been at the forefront of the advanced water treatment field for decades, helping utilities, industries, resorts, and developers worldwide design and implement some of the most innovative scientific advances in the field.

From new applications for ion exchange and innovative concentrate disposal options to special piping materials and off-gas treatment systems, our ability to look beyond the obvious means we quickly determine what you need—and what you don't. We can incorporate membrane treatment and ion exchange as part of your existing facility or design a mix of treatment technologies customized to your water source, service area, and budget. Our professionals are renowned for their ability to simultaneously address capacity, compliance, and aesthetic issues while keeping design and construction costs down, whether for new facilities or the rehabilitation or expansion of existing ones.



In 2019, *Engineering News-Record* ranked Kimley-Horn 9th in water treatment and desalination in the annual "Top Design Firms" Sourcebook.

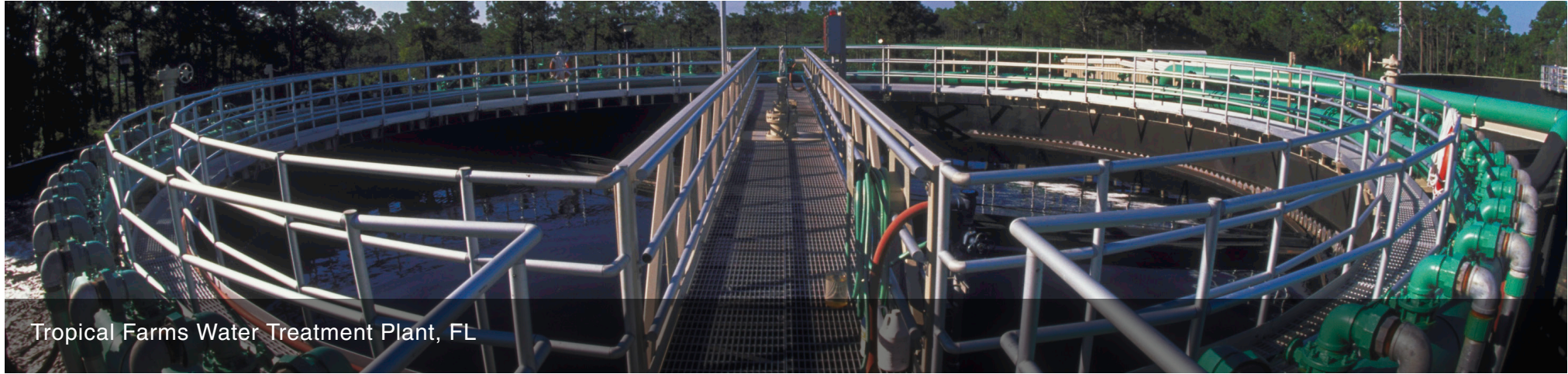


Water Utilities Utilities Planning

Kimley-Horn's utility specialists have prepared public and private utilities plans nationwide with an unrivaled reputation for responsiveness, foresight, and skill. Already have a vision of what your facility and infrastructure should be? Kimley-Horn is the consultant who can shape and implement that vision. Working as an extension of your staff, we take concepts and mold them into plans that are acceptable to regulatory agencies, your ratepayers, and you. Our experienced team will develop practical recommendations that work in the real world. And we will seek solutions that save you money.

- Master Water Plans
- Sewer System Plans
- Raw Water Source Studies
- Alternative Supply Studies
- Rate Studies
- Bond Issue Program Development





Tropical Farms Water Treatment Plant, FL

Water Utilities Water Supply Groundwater

From source to destination, Kimley-Horn understands that water is your business. We identify the best source to meet your demand while balancing environmental impacts, water quality, treatability, long-term availability, and permissibility. We also develop innovative methods for your water supply needs to recover water from lime sludge, treat brackish water to potable quality, and blend reverse osmosis-treated water with conventionally-treated water to lower processing costs and increase plant efficiency.

Whether you are seeking supply for a public water system or a private development, we'll make sure each viable option is considered and see the design through to implementation.

Engineering News-Record ranked Kimley-Horn 21st in water supply in its 2019 "Top Design Firms" Sourcebook.

Water Utilities Storage

Our utility teams have successfully designed ground and elevated water storage tanks throughout the United States. Elevated storage tanks are highly visible monuments for a water utility. We take as much pride as you do in seeing that a quality structure is constructed and will serve your customers.

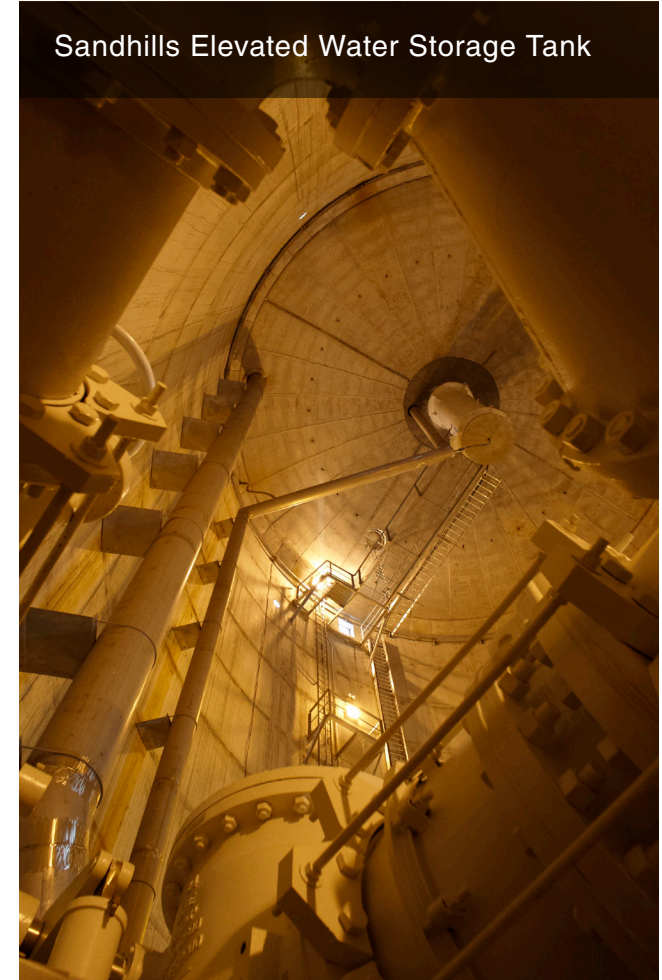
Our design approach begins with water system modeling, sizing, and site selection. We provide services through the entire process, including site design, tank control valve design, coating design, water quality design, bidding, and construction contract administration. Kimley-Horn engineers routinely coordinate with the major tank manufacturers so you can be assured that we understand the latest design standards and specifications.

Kimley-Horn engineers have provided design and construction administration services for more than 30 elevated water storage tanks.



Burlington Water Storage Tank

Sandhills Elevated Water Storage Tank





Water Utilities NC 50 Pump Station and Force Main

Kimley-Horn was responsible for the design, construction management, and inspection of approximately 55,000 linear feet of 36-inch force main; 29,000 linear feet of 16-inch re-use pipeline; 2,000 feet of 36-inch interceptor; and a new 18.3 MGD wetwell/drywell type wastewater pumping station with integral odor and corrosion control systems in Raleigh, NC. The project included tunneled and bored and jacked crossings under US 70, I-40, and a CSX railroad, as well as a large complex junction box required to connect the new force main and an existing force main to two 72-inch interceptors and a future 96-inch interceptor. Other services performed by Kimley-Horn included the design of a tunnel crossing under NC 50 and Lake Benson; preparation of an environmental assessment (EA); railroad encroachment permitting; wetland delineation; DWQ and USACOE stream and wetland permitting; and Neuse River buffer rule determination and permitting.



Water Utilities Shields High-Service Pump Station

Kimley-Horn designed a 7.5 MGD high-service pump station for the Sonoma Verde development, which extends across two of the San Antonio, TX Water System's water service levels. The improvements designed by Kimley-Horn included a permanent booster pump station, a 24-inch transmission main, and a 16-inch service main. The pump station consists of four pumps (expandable to six pumps), two hydro-pneumatic tanks, a second connection to the existing tank, an intake manifold for the new pump station, and a new operations building with completely new SCADA controls for the pumps and existing tank monitors.



Water Utilities Amarillo Lift Station (Lift Station No. 7)

Kimley-Horn designed a new 8.0 MGD lift station to replace three existing older lift stations in Amarillo, TX. The new lift station is 42-feet deep and has a completely redundant system with dual wet and dry wells. This project involved designing 3,700 linear feet (LF) of 36-inch gravity line; 800 LF of 15-inch gravity line; 800 LF of 8-inch gravity line; and 4,000 LF of 18-inch force main required to divert flow from the existing three lift stations to the new lift station, the majority of which is located within the limits of two of the City of Amarillo's principal arterial roadways. Because of the lines' location beneath the roadway pavement sections, all of the 36- and 15-inch lines were installed by trenchless methods. Traffic control and sequencing were major portions of this project. The lift station is completely enclosed in a building to match the surrounding architecture and has a state-of-the-art odor control system.

Water Utilities Nicolaus Road Lift Station Improvements

Kimley-Horn was selected to provide pre-design investigative services and subsequent design engineering services for the Nicolaus Road Lift Station replacement project in Lincoln, CA. The firm was responsible for the pre-design investigation, pre-design report preparation, and subsequent plans and specification development. The project included research and development of alternatives for constructing the lift station for a phased increase in capacity and head requirements over several years. The lift station is only intended to be in service for five to 10 years, so the challenge of minimizing costs was met by reusing pumps, electrical controls, and emergency power generation equipment that the City had available due to the decommissioning of another lift station. To complete the design, Kimley-Horn helped develop a partnering relationship between the City and the developer.

- Pre-design investigation
- Pre-design report preparation
- Subsequent plans
- Specification development



Water Utilities Tropical Farms Water Treatment Plant

Kimley-Horn provided resident project representation for the water and wastewater treatment plant construction at Tropical Farms in Stuart, FL. This project involved construction of a 1.5 MGD membrane softening plant expandable to 3 MGD, as well as a 1 MGD activated sludge wastewater treatment plant expandable to 1.5 MGD. Kimley-Horn provided on-site observation; managed other consultants; coordinated field issues; reviewed schedules, changes in work, and pay requests; interpreted contract documents; and provided direct communication with the owner regarding project progress. The second phase of the facility expansion also included an 8.0 MGD reverse osmosis water treatment plant. The firm provided permitting, design, construction phase services, and operational testing and startup up of all of the facilities needed to expand the water plant.

- Project management
- Permitting
- Design
- Construction phase services
- Operational testing



3. PROFILE OF CONSULTANT

a. State whether your organization is national, regional or local.

Kimley-Horn provides professional consulting services across the United States but has maintained a continuous presence in Broward County since first opening an office in Fort Lauderdale in 1983. As the lead consultant, Kimley-Horn will have total contractual responsibility with the City of Hollywood. We have the depth of leadership and technical resources to support you on this project, including more than 800 professionals in Florida.

Our clients benefit from the resources of a nationally-recognized organization while receiving the personal attention and response of a local, dedicated, professional team. Kimley-Horn has had offices in South Florida for more than 50 years and we are proud to have worked on projects in Hollywood and the surrounding communities during this time. Our knowledge and understanding of the area has grown significantly with our decades of service in Broward County. We are confident that our local presence and sensitivity to the community's concerns will benefit the City by providing you with unmatched accountability, responsiveness, and value.

With more than 4,100 professional and support staff in 90+ offices across the U.S., Kimley-Horn is a full-service engineering firm that provides a wide variety of services—including Utility Engineering, Environmental Services, and Planning. Kimley-Horn is regarded as an industry leader by Engineering News-Record (ENR), where we rank #21 on their list of the country's Top 500 Design Firms. We are also ranked #18 on FORTUNE's "100 Best Companies to Work For," and have been on that list for 12 years.



b. State the location of the office from which your work is to be performed.

We will be serving you from our Miami office with additional support being provided from staff throughout the Florida region. We know that a strong commitment to client satisfaction must be the foundation of our service to you. By utilizing our specialized resources, we can provide the unique services related to this project.

c. Describe the firm, including the size, range of activities, etc.

Kimley-Horn has been serving utility and municipal clients since our inception in 1967 and is now one of the most respected and fastest growing engineering firms in the United States. In Florida, more than 250 of Kimley-Horn's staff are professionally registered design engineers.

The firm has a long history of being a successful engineering consultant to local government clients. We have served more than 100 cities, counties, and local government clients in Florida. Throughout the firm's growth, we have come to appreciate the value and importance of remaining true to our roots as a small firm: focusing our attention on our local clients and providing them with the personalized and responsive service they expect. Additionally, many of our employees are former municipal engineers and planners; they have been on your side of the table and are familiar with local government procedures. Kimley-Horn prides ourselves on our ability to tailor comprehensive engineering services.

Kimley-Horn's water and wastewater capabilities encompass all planning, design, permitting, and construction observation services required from the onset of a project through the approval process to completion of construction. Kimley-Horn offers a variety of in-house utility engineering services including, but not limited to, the following:

- Distribution Systems/Collection Systems
- Lift Stations/Pump Stations
- Water Treatment, Storage, and Distribution
- Wastewater Treatment, Storage, and Distribution
- Reclaimed Water Treatment, Storage, and Distribution
- Potable Water Treatment
- Hydrogeology/Wells
- Structural
- Environmental Services
- Modeling/GIS
- Construction Administration
- Permitting

d. Provide a list and description of similar municipal and other projects satisfactorily completed within the past five years. For each project listed, include the name and telephone number of a representative for whom the project was undertaken who can verify satisfactory performance.

St. Pete Beach Pump Station No. 1

City of St. Pete Beach

Mike Clarke, Public Services Director
1112 39th Avenue NE, St. Pete Beach, FL 33703
(727) 363-9243

The City of St. Pete Beach hired Kimley-Horn under a continuing services contract to design a rehabilitation plan to fix existing issues with their quadruplex master pump station. The pumps that were in service were undersized for the Peak Hourly Flow (PHF) and had several maintenance issues that caused them to fail on a frequent basis.

The Kimley-Horn team provided design services for the rehabilitation of the existing Master Pump Station No. 1, including the replacement of all four 125-HP pumps with 140-HP pumps with a total design capacity of 5,400 gpm *installation of new electrical and instrumentation equipment, permanent generator, and structural modifications.*

Services included preliminary planning, plan and specification production, bid services, and construction observation. The scope of work included the following: evaluation of existing flows of the station to ensure adequate capacity; system-wide wastewater flow and pressure modeling; pump redesign; and structural redesign of two 10-foot wetwells.

Original Schedule and Scope of Project

Original schedule of June 2013 – March 2015.

Achieved Schedule and Scope of Project

Achieved schedule of June 2013 – March 2015.

Change Orders or Amendments Issued

Original project scope completed on budget and construction completed within schedule.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days



St. Pete Beach Pump Station No. 2

City of St. Pete Beach

Mike Clarke, Public Services Director
1112 39th Avenue NE, St. Pete Beach, FL 33703
(727) 363-9243

The Kimley-Horn team is providing preliminary/final design and permitting for this project, as well as performing site visits. Pump Station No. 2 is a triplex pump station with a 4,400 gpm (6.36 MGD) pumping capacity and three 35-HP submersible pumps. The scope of work includes the *evaluation of existing flows of the station to ensure adequate capacity, pump design, backup power generation, and re-engineering the 10-foot southern wetwell.*

Kimley-Horn performed several site visits and performed tests to determine pressure readings, identify water levels in the station, and determine pump discharge rates. Improvements to the station were identified in the report, including necessary electrical upgrades, and hydraulic modeling was utilized to ensure the improvements didn't impact upstream and downstream system components. The team then proceeded with the design and permitting services for the

rehabilitation of the station. The project's construction documents prepared for removal of the existing structures and installation of new pump station components for the City of St. Pete Beach and included 60% and final construction documents and specifications.

Extensive quality assurance/quality control (QA/QC) review of Pump Station No. 2 was provided continuously from 60% plan review to final completion documents. Through checking of each work element from 60% to completion, Kimley-Horn was able to ensure flawless construction sequencing and construction documents that reflected high-quality standards and was void of errors and omissions. Kimley-Horn estimated slightly above budget.

Original Schedule and Scope of Project

Original schedule of April 2013 – March 2015.

Achieved Schedule and Scope of Project

Achieved schedule of April 2013 – October 2015.

Change Orders or Amendments Issued

Value Engineering at the beginning of the project to reduce costs and to extend the contract to October. CO#1 – Additional pump station bypassing due to existing pump station failure 8 months before mobilization. CO#2 – RCP pipe removal and abandonment of exiting utilities not shown on records or as-builts. Additional delays to the schedule were related to Duke Energy, which the contractor could not control.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

St. Pete Beach Pump Station No. 3

City of St. Pete Beach

Mike Clarke, Public Services Director

1112 39th Avenue NE, St. Pete Beach, FL 33703

(727) 363-9243

Kimley-Horn provided preliminary, final design, and construction services for the rehabilitation of Pump Station No. 3. Pump Station No. 3 is a duplex with two 35-hp submersible Pumps. The scope of work includes the *evaluation of existing flows of the station to ensure adequate capacity, pump design, the design of an elevated structure to house electrical equipment and permanent generator and a proposed 11.5' FRP wetwell liner installed to minimize cost.*

Original Schedule and Scope of Project

Original schedule of December 2014 – December 2016.

Achieved Schedule and Scope of Project

Achieved schedule of December 2014 – December 2016.

Change Orders or Amendments Issued

CO#1 – Requested change order from Contractor to upsize existing pumps. CO#2 – Requested change order from contractor to change the odor control system. CO#3 – Request change order for additional bypassing due to City pipe failure before commencement of construction. CO#4 – Additional pipe cleaning necessary to line gravity sewer. CO#5 – Removal of metal sheeting not listed in as-builts or records. CO#6 – Requested change order to change roofing materials. CO#7 – Credit for the removal of palm trees instead of replacement.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days



Lift Station 13 Pump Station Improvements

City of West Palm Beach

Laura Le, P.E.

401 Clematis Street, Fourth floor, West Palm Beach, FL 33401

(561) 494-1093

Kimley-Horn developed the *design for an addition of a new electrical room and associated improvements* at this lift station in West Palm Beach, Florida. In March of 2011, LS 13 experienced a significant failure which prompted the City to re-evaluate the layout of the existing electrical room in this master pump station which serves a large portion of the downtown area. Kimley-Horn then *designed a new electrical room that replaced all electrical components* of the building and placed them at an increased elevation to avoid future flooding problems. The design of a new bridge crane, overhead door to aid in operations and maintenance, replacement of a master flow meter, various site and building aesthetic improvements, as well as the design of submersible actuators in the dry pit were also performed.

Original Schedule and Scope of Project

Original estimated schedule completed in November 2016.

Achieved Schedule and Scope of Project

Achieved schedule of revised scope in May 2017.

Change Orders or Amendments Issued

Deductive Change Orders in the amount of \$88,321.78 were issued to account for scope revisions made to the project by the Owner.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

One to five days on average

Lift Station 23 Rehabilitation

City of West Palm Beach

Laura Le, P.E.

401 Clematis Street, Fourth floor, West Palm Beach, FL 33401

(561) 494-1093

Kimley-Horn designed the *rehabilitation improvements to this wastewater pumping station* located in Currie Park. This project included replacement of three existing 2,000 gpm pumps with VFD driven electric submersible pumps in a dry pit installation, wetwell rehabilitation, expansion of the existing electrical building, upgrading the existing FPL service from 240V to 480V service, installation of an electric pump hoist, new ventilation system, master flow meter installation, and other associated improvements.

Original Schedule and Scope of Project

Original estimated schedule completed in December 2016.

Achieved Schedule and Scope of Project

Achieved schedule of revised scope in September 2017.

Change Orders or Amendments Issued

Change Orders in the amount of \$236,724.05 were issued to account for scope revisions made to the project by the Owner.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

One to five days on average

D-4 Stormwater Pump Station

Town of Palm Beach

Patricia Strayer, P.E.

951 Old Okeechobee Road, Suite A, West Palm Beach, FL 33401; (561) 227-7056

The Town of Palm Beach asked Kimley-Horn to assume the role of successor engineer on the D-4 stormwater pump station project. In 2014, Kimley-Horn was called in to take over and update the plans on a very tight timeframe to get the project out to bid for the summer construction season. The Kimley-Horn team studied and modified the original design to make a few key changes that saved the Town over \$300,000, eliminated road work, minimized traffic impacts, and reduced the project construction duration. Kimley-Horn worked with the Town's selected generator vendor to *significantly reduce exterior generator noise and worked with the Town's electrical engineer to reuse conduits at two other satellite pump stations*. Kimley-Horn became the Town's trusted advisor for pump station construction, operation, and maintenance.

Original Schedule and Scope of Project

Original estimated completion in November 2014.

Achieved Schedule and Scope of Project

Achieved completion of original scope in November 2014.

Change Orders or Amendments Issued

CM at Risk delivery; Kimley-Horn did not process the change orders and does not have a record of them.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

One day



D-10 Stormwater Pump Station

Town of Palm Beach

Patricia Strayer, P.E.

951 Old Okeechobee Road, Suite A, West Palm Beach, FL 33401; (561) 227-7056

This project included the replacement of three existing 26,000 gpm hydraulic pumps with electric submersible pumps, wetwell and outfall piping rehabilitation, construction of a new mechanical building, conversion of an existing FPL transformer vault to a new electrical room, *installation of two new emergency generators*, new ventilation system, upgraded sound attenuation, SCADA system design and other associated improvements. This station is situated between two existing residential properties so noise and aesthetic concerns were paramount in the design. We were able to secure the necessary approvals and variances required for the project through both the Architectural Review Committee and the Town Council by unanimous votes.

Original Schedule and Scope of Project

Original estimated completion in September 2015.

Achieved Schedule and Scope of Project

Achieved completion of original scope in September 2015.

Change Orders or Amendments Issued

CM at Risk delivery; Kimley-Horn did not process the change orders and does not have a record of them.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

One day

D-14 Stormwater Pump Station

Town of Palm Beach

Patricia Strayer, P.E.

951 Old Okeechobee Road, Suite A, West Palm Beach, FL 33401

(561) 227-7056

This project includes replacement of four existing 26,000 gpm hydraulic pumps with electric submersible pumps, wetwell and outfall piping rehabilitation, construction of a renovated mechanical building, conversion of an existing FPL transformer vault to a new electrical room, installation of a new emergency generator, new ventilation system, upgraded sound attenuation, SCADA system design and other associated improvements. This station is situated on the site of the Four Arts Museum so noise and aesthetic concerns were paramount in the design. Kimley-Horn was a subconsultant to another firm.

Original Schedule and Scope of Project

Original schedule of May 2018 – November 2018 (construction).

Achieved Schedule and Scope of Project

Achieved schedule of May 2018 – November 2018 (construction).

Change Orders or Amendments Issued

N/A; Kimley-Horn was a subconsultant to another firm.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

N/A; Kimley-Horn was a subconsultant to another firm.

Las Olas Wastewater Pump Station

Las Olas SMI, LLC

Eric Metz

151 Las Olas Circle, Fort Lauderdale, FL 33316

(213) 814-8829

The City of Fort Lauderdale is jointly performing a marina expansion project off Las Olas Boulevard along the Intracoastal Waterway with Suntex Marinas. Because of the marina expansion, a significant amount of underground utilities is required to be relocated, along with a major wastewater pump station, Station D-31, that serves the island. Kimley-Horn was tasked at developing concepts for the relocation of the utilities and the pump station such that the end users had minimum or no impact to their service. Kimley-Horn was also tasked with expediting the design of the new pump station due to the long lead time of the station components. The final concept concluded with a new station that will consist of a 3-pump submersible pump station (each pump is rated at 1,200gpm each within a 12ft ID wetwell). The pump station will also have an on-site emergency generator. The pump station design was completed within 60 days and is currently in regulatory agencies for permitting.

Original Schedule and Scope of Project

Original schedule of January 2020 – March 2020 (design).

Achieved Schedule and Scope of Project

Achieved schedule of January 2020 – March 2020 (design).

Change Orders or Amendments Issued

None.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Currently in permitting phase.

ARC Summerville Pump Station

D.R. Horton Custom Homes

Karl Albertson

431 Fairway Drive, Suite 300, Deerfield Beach FL 33441

(954) 949-3072

Kimley-Horn is currently providing professional engineering services for this public pump station. This station will be sized to accommodate the proposed flow from the project area and any additional flow as required per the Miami-Dade Water and Sewer Department (MDWASD). In addition, Kimley-Horn is responsible for all coordination needed to prepare the structural plans for the fuel tank and generator per MDWASD standard details.

Original Schedule and Scope of Project

Original schedule of May 2017 – October 2019 (certification).

Achieved Schedule and Scope of Project

Achieved schedule of May 2017 – October 2019.

Change Orders or Amendments Issued

None.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

Lift Station No. 10 Improvements

Completed by McKim & Creed

City of Daytona Beach

Shannon Ponitz

125 Basin Street, Suite 130, Daytona Beach, FL 32114

(386) 671-8825

Lift Station No. 10 (LS-10), constructed in 1979, is one of the City of Daytona Beach's largest lift stations. However, in 2011, it was determined that Lift Station No. 10 did not have the capacity to pump the waste that would be generated by several large institutional and commercial projects being planned within the wastewater service area. The City authorized McKim & Creed to develop and evaluate alternative solutions for upgrades and expansion to LS-10. Our team provided the evaluation and alternatives in an Analysis Report that included updated wastewater flow projections to LS-10 based on Future Land Use Maps (FLUM) and proposed development, capacity analysis/hydraulic modeling of existing wastewater system components including pump stations and force mains, and a physical analysis of the condition of the LS-10 facility.

Based on this report, the City enlisted McKim & Creed to design and implement the selected upgrades to expand LS-10 to 5.6 mgd capacity. One cost-effective solution presented by our team and chosen by the City was the reactivation of an abandoned 30-inch PCCP raw water main for use as a sewage force main. The reactivation required slip-lining with a cured-in-place pipe (CIPP).

The scope of services for this project included demolition of the existing pump station and construction of the new 5.6 mgd lift station, design and construction of 10,050 LF of new 30-inch force main and 1,000 LF of 24-inch force main, and installation of 8,170 LF of cured-in-place liner in the existing 30-inch PCCP pipeline. The project was divided into three parts. Part A was the design and construction of the new triplex wet pit/dry pit pump station and demolition of the existing station after the new facility was constructed. *The design incorporated a standby generator, HVAC, instrumentation and controls, and site improvements for the new facility.*

Part B consisted of design and construction services for converting the 30-inch PCCP raw water main to a sewage force main with the installation of a cured-in-place pipe (CIPP) structural liner to the inside face of the concrete pipe. Part C was the design and construction of the new 30-inch force main. This portion of the project included two jack-and-bore installations under I-95 and US Hwy 92 (International Speedway Blvd.) as well as horizontal directional drills under the Tomoka River and a LPGA golf course. It also included removing one portion of the existing sanitary sewer force main that crossed under a runway at the Daytona Beach International Airport.

Original Schedule and Scope of Project

Original schedule of October 2011 – January 2016

Achieved Schedule and Scope of Project

Achieved schedule of October 2011 – January 2016.

Change Orders or Amendments Issued

Additional services were provided to the City related to pump modifications to Lift Station No. 10 (Part A of the project) required for the 60% design submittal. In addition, Heating, Ventilation, and Air Conditioning (HVAC) design services for the proposed electrical building were necessary as well.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

2016 Lift Stations 10M & 12M Improvements

Completed by McKim & Creed

City of Ormond Beach

Robin Bain

22 South Beach Street, Ormond Beach, FL 32174

(386) 676-3305

McKim & Creed preformed professional engineering services for the rehabilitation of Lift Stations 10M and 12M for the City of Ormond Beach. This rehabilitation project included a condition assessment of the structural components and an evaluation of the mechanical, electrical, and SCADA/I&C equipment to make a determination on which components were in need of replacement, repair, or could continue to be in service. McKim & Creed performed this site analysis to make the appropriate determinations and worked closely with City staff in order to understand any budget constraints that might impact the rehabilitation. Revision to codes and standards that would impact the rehabilitated facilities and improve worker safety were also evaluated, including ASCE 24 and NFPA 820.

These two lift Stations are submersible stations and have been in operation for well over 30 years. The review of each station took into consideration the *overall structure of each lift station, the wetwell, the electrical components, valve box, instrumentation and controls, as well as the aesthetics of each station location*. After the completion of the site analysis, McKim & Creed provided the City with construction documents that moved through the various phases of design (30%, 60%, 90% and 100%). With each phase submittal, we also provided an updated cost estimate so the City could understand any financial impacts that might occur due to upgrading equipment. Cost estimates were performed using AACE practices.

Original Schedule and Scope of Project

Original schedule of April 2016 – September 2018.

Achieved Schedule and Scope of Project

Achieved schedule of April 2016 – September 2018.

Change Orders or Amendments Issued

No change orders or amendments issued.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

Lift Station 8M1 Rehab

Completed by McKim & Creed

City of Ormond Beach

Robin Bain

22 South Beach Street, Ormond Beach, FL 32174

(386) 676-3305

McKim & Creed designed improvements to Lift Station 8M-1 located within the Tomoka Oaks subdivision of Ormond Beach. The project *included electrical improvements; replacement of the existing valve box; rehabilitation of the existing perimeter knee wall and wet well improvements*. The wet well work included replacement of the existing top slab; lining the existing wet well interior; and replacement of the existing riser pipes, guide rails, brackets and submersible pumps. The project also included removal of an existing camphor tree stump, lining of an existing manhole, replacement of a settled gravity sewer main and surface restoration.

Original Schedule and Scope of Project

Original schedule of March 2015 – June 2017.

Achieved Schedule and Scope of Project

Achieved schedule of March 2015 – June 2017.

Change Orders or Amendments Issued

No change orders or amendments issued.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

Pump Station 65-2 Improvements

Completed by McKim & Creed

City of Palm Coast

Steve Flanagan

160 Lake Avenue, Palm Coast, FL 32164

(364) 986-2354

McKim & Creed provided design services for installing larger pumps, replacing base elbows and upgrading an existing control panel for Pump Station 65-2.

Original Schedule and Scope of Project

Original schedule of July 2015 – March 2016.

Achieved Schedule and Scope of Project

Achieved schedule of July 2015 – March 2016.

Change Orders or Amendments Issued

No change orders or amendments issued.

Average Turnaround Time for Requests for Information and Shop Drawing/Submittal Approvals

Three days

FEMA/State Grant Funding Experience

We understand that obtaining and maintaining successful funding sources is critical to your project. *As of 2019, Kimley-Horn has provided assistance to our clients that have resulted in more than \$247 million in grants and outside funding.* We have developed a resource library of information on state and federal funding sources and will assist you in making the most of available resources. Specifically, Kimley-Horn has worked closely with the Federal Emergency Management Agency (FEMA) on projects throughout Florida.

Below is a list of projects and their respective grant funding and reference information.

Dade City Lift Station Rehabilitation Project

Kimley-Horn provided construction administration services and *Davis-Bacon compliance monitoring* for the rehabilitation of 17 lift stations serving the City of Dade City. The project includes *full SRF compliance and coordination* responsibilities, including owner direct purchasing programs.

City of Dade City

Jeff Lanphere, former Public Utilities Operations Manager (now with Marion County Utilities); 11800 SE U.S. Highway 441, Belleview, FL 34420; (352) 307-4628

Downtown Utility Replacement Project

Kimley-Horn provided design, permitting, grant assistance, and construction stage services for the replacement of water mains and sanitary sewer laterals in the historic downtown section of the City of Dunnellon. The project included assistance with *obtaining a legislative appropriations grant to supplement the CDBG funding.*

City of Dunnellon

Dawn Bowne, City Manager; 11924 Bostick Street, Dunnellon, FL 34432; (352) 465-8500

Beverly Beach Water/Wastewater Improvements

Kimley-Horn was selected in 2011 to provide engineering services for miscellaneous water and wastewater improvement projects in the City of Beverly Beach. For the Storage and Repump Facility project, Kimley-Horn was *successful in assisting in the procurement of a \$3.2 million USDA loan* for the project.

Flagler County

Craig Coffey, County Administrator; 1769 E Moody Blvd, Bldg 2, Bunnell, FL 32110; (386) 313-4001

Wastewater Treatment Facility Phase 1B Rehabilitation

The project involved providing professional consulting services for the rehabilitation and process modifications to the City's existing wastewater treatment facility. Kimley-Horn's scope of services involved providing construction phase services and certifications, including: site inspections with plant operations staff to gain an understanding of the current plant configuration and operational issues; review of construction plans and specifications; *coordination with the FDEP State Revolving Fund (SRF) Department that secured a \$4.18-million SRF loan*; water monitoring and reporting in *compliance with the Davis-Bacon Act* compliance monitoring requirements.

Flagler County

Craig Coffey, County Administrator; 1769 E Moody Blvd, Bldg 2, Bunnell, FL 32110; (386) 313-4001

Plantation Bay Wastewater Treatment Facility Process Design

Kimley-Horn provided process design for Class 1 reliability improvements and capacity expansion of the 0.475-MGD Plantation Bay Wastewater Treatment Facility. Kimley-Horn assisted the County with *securing a \$5.7-million SRF loan to fund construction* of the WWTF expansion project. Additionally, Kimley-Horn was able to *secure another \$500,000 St. Johns River Water Management District REDI grant* for this project.

Flagler County

Faith Alkhatib, P.E., County Engineer; 1769 E Moody Blvd, Bldg 2, Suite 309, Bunnell, FL 32110; (386) 313-4045

Coastal Resiliency Plan and Comprehensive Plan Updates

Kimley-Horn was selected to prepare the City's Coastal Resiliency-Resilience Plan Development and corresponding Comprehensive Plan amendments to address state mandates regarding sea level rise (peril of flood) assessment. The Plan was developed using information and an in-depth analysis of sea level rise, rainfall and surge data, public infrastructure locations, land use, and societal exposures. *Kimley Horn assisted the City in obtaining funding from the Florida Resilient Coastlines Program (FRCP) Grant via the Florida Department of Environmental Protection (FDEP).*

City of Sebastian

Lisa Frazier, AICP, Community Development Director; 1225 Main Street, Sebastian, FL 32958; (772) 388-8228

St. Pete Beach Coastal Resilience Plan

Kimley-Horn developed a Resilience Plan for the City and *assisted the City in securing a Florida Resilient Coastlines Program (FRCP) Grant from the Florida Department of Environmental Protection (FDEP)* to complete a Vulnerability Assessment. The Vulnerability Assessment evaluated the impacts of rainfall, hurricane and tidal events on the City's infrastructure and identified adaptation strategies to reduce those impacts.

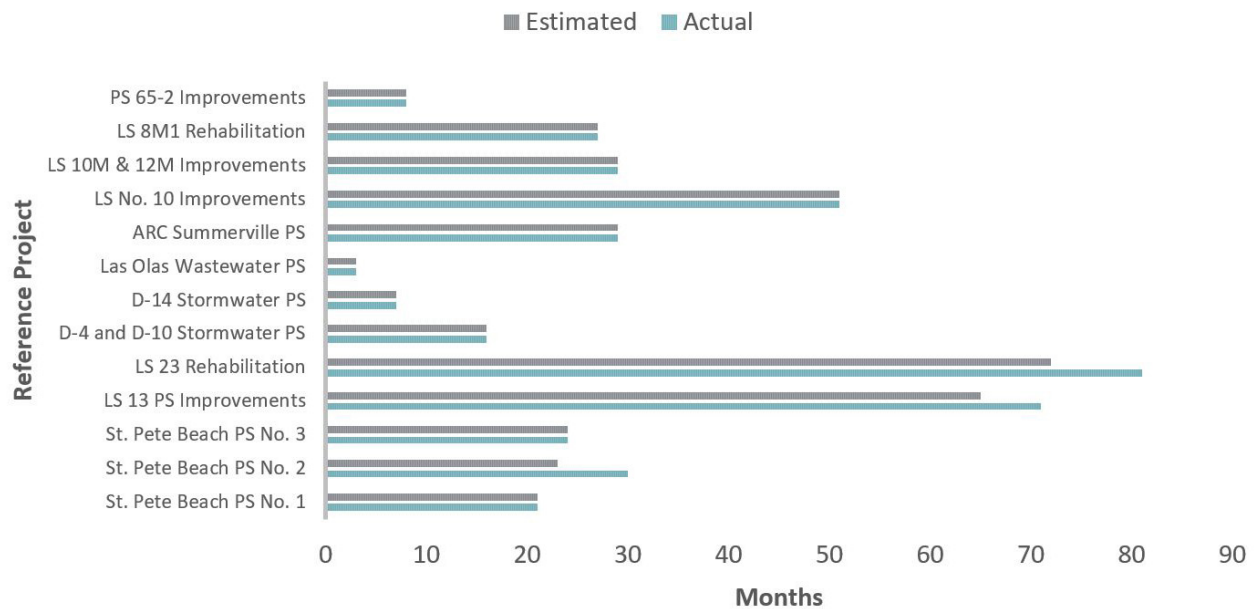
City of St. Pete Beach

Brett Warner, P.E., City Engineer; 1112 39th Avenue NE, St. Pete Beach, FL 33703; (727) 363-9254

Ability to Complete Projects on Time

The bar chart below depicts estimated and actual project completion schedules for each reference project.

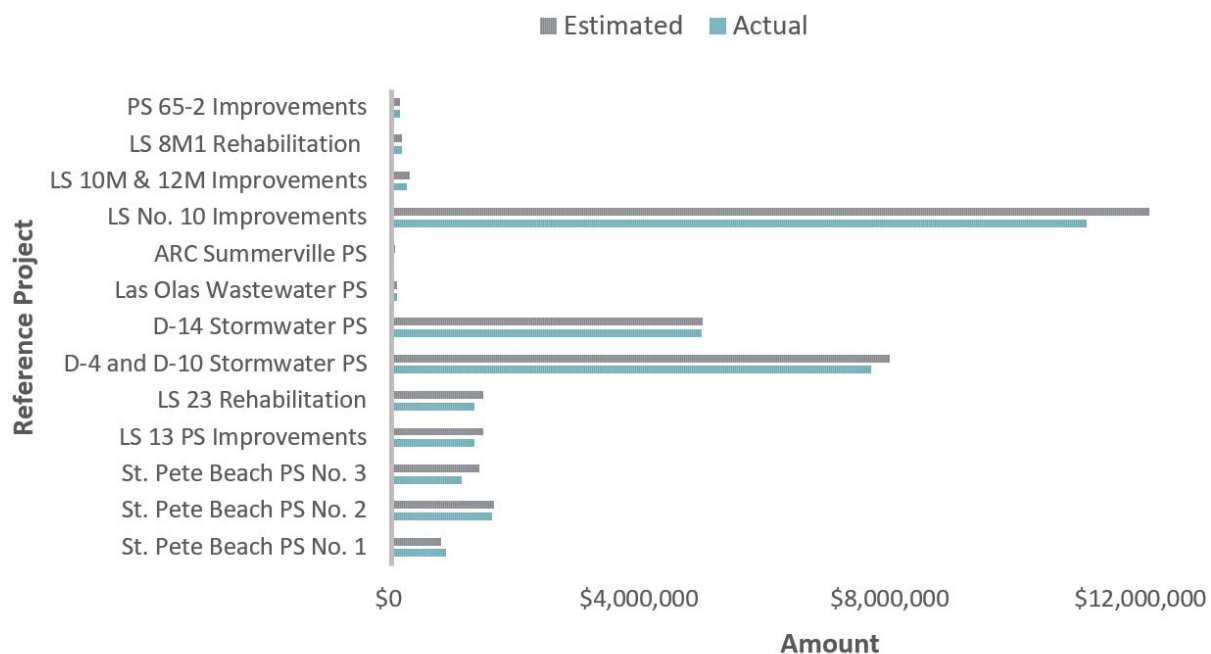
COMPLETION SCHEDULES



Ability to Complete Projects on Budget

The bar chart below depicts estimated and actual budgets for each reference project.

PROJECT BUDGETS



e. Provide information on any litigation (settled or pending) the firm has been involved in within the last five years.

Kimley-Horn and its subsidiaries have provided services in all fifty 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. In the last five years, Kimley-Horn has had more than 19,600 active projects in Florida, 14 of which had some form of litigation. Of those cases, 10 were settled, and four are pending. This represents 0.071% of all projects completed by Kimley-Horn in Florida over the past five years. Settlements related to claims are bound by confidentiality agreements so we cannot release any information on them. None of the pending matters, 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. If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.

Litigation cases in Florida in the last five years which have settled or are currently pending are as follows:

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

Community Asphalt Corporation v. Wantman Group, Inc., et al: FDOT; 11th Judicial Circuit Court, Miami-Dade County, FL; Cause No. 2018-029816-CA-01; filed 2018; alleged economic loss; pending.

Kathleen Conti v. Simon Property Group, Inc., et al: 15th Judicial Circuit Court Palm Beach County; Case No. 502017CA008616XXXXMB Division: AE; filed 2017; personal injury claim; settled; closed 2019.

Walter Ford and Grace Ford v. EC Manatee LLC, D/B/A Manatee Island Bar & Grill, et. al: 19th Judicial Circuit Court, Martin County; Case No. 13 1536CA; filed 2014; personal injury claim; settled; closed 2015.

Heron Bay Community Association, Inc. vs. WCI Communities, LLC, et al: 15th 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; pending.

Lunacon Engineering Group, Corp d/b/a Lunacon Construction Group, Corp v. City of Homestead v. Kimley-Horn and Associates, Inc., et al: 11th Judicial Circuit Court Miami-Dade County, Case No. 2017-000561-CA-01; filed 2017; alleged economic loss; settled; closed 2018.

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

Sema Construction, Inc. v. City of Altamonte Springs: 18th Judicial Circuit Court, Seminole County; Case No. 2015-CA-002951-15-W; filed 2016; alleged economic loss; pending.

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

Stacey Vasquez, a/k/a Stacey Leigh Gimson, as Personal Representative of the Estate of Frank Vasquez, III, v. Matthew J. West, et al: 13th Judicial Circuit Court, Hillsborough County; Case no. 15-CA-006839; filed 2015; traffic accident, wrongful death claim; settled; closed 2017.

Joan Weinstein v. Simon Property Group LP and Town Center at Boca Raton Trust: 15th Judicial Circuit, Palm Beach County; Case No. 502016CA003199; filed 2016; personal injury claim; settled; closed 2017.

Deontra Williams v. FDOT, et al: 17th Judicial Circuit Court, Broward County; Case No. CACE-13-009427(05); filed 2015; bicycle accident, personal injuries claimed; settled; closed 2017.

Wal-Mart Stores East, LP, et al. v. Bandes Construction Company, Inc., et al: 15th Circuit Court, Palm Beach County; Case No. 2019CA005775; filed 2019; alleged economic loss; settled; closed 2019.

f. Describe the experience in conducting similar projects for each of the staff assigned to the engagement. Describe the relevant educational background of each individual.



Juan Jimenez, P.E. – Project Manager

As a civil engineer, Juan has over 26 years of municipal and utility engineering consulting experience in South Florida, most of it in Broward and Miami-Dade Counties. His broad and diverse experience includes projects involving water supply and distribution, wastewater collection and transmission, stormwater management, roadway, general civil engineering and land development. He brings not only technical analysis and design expertise, but also sound project management experience in the preparation of work plans and schedules, permit documents, bid/contract documents, specifications, opinions of construction costs and quality control. Juan also understands the importance of maintaining clear and constant communication with clients through all phases of the project. Juan earned his Bachelor of Science in Civil Engineering from Florida International University.



Wayne White, P.E. – Principal-in-Charge

Wayne is a senior water resources engineer with more than 26 years of experience specializing in wastewater treatment, water and wastewater pipeline design, pump stations, pump types (axial), WaterCAD, SewerCAD, and construction observation. Wayne's experience includes the planning, design, permitting, and construction of reclaimed water, water, and wastewater collection, transmission, treatment, and disposal systems. Wayne has also prepared water and reclaimed water master plans that have included hydraulic modeling and forecasting of future flows utilized to secure state and federal funding for projects. He earned his Bachelor of Science in Civil and Environmental Engineering from the University of South Florida.



Tom Jensen, P.E. – Quality Assurance/Quality Control

Tom has 34 years of experience with a diverse background within the field of civil engineering and is responsible for client/project management, design, permitting, and construction observation. His extensive experience includes paving, drainage, water distribution, and wastewater collection/transmission systems projects for a multitude of developments/municipalities throughout South Florida. As QA/QC advisor, Tom will conduct QA/QC reviews at the end of each project phase to ensure that the project deliverable is not only technically correct, but also consistent with the project's objectives. Tom will review project deliverables for clarity, accuracy, completeness, and complete scope compliance. Tom earned his Bachelor of Science in Civil Engineering from the University of South Florida.



Barton Fye, P.E., ENV SP – Water Distribution/Transmission & Wastewater Collection/Transmission Design; Site/Civil Engineering; Permitting

Barton has 13 years of experience with stormwater, solid waste, roadway, site development, water distribution, and sewer collection/transmission design. Has expertise in computer modeling of stormwater management systems. Barton is a Florida-licensed Professional Engineer and an ASFPM Certified Floodplain Manager. Barton's experience includes program management for water and sewer utilities; project management for numerous water, sewer, stormwater, and roadway capital improvements projects; and the design of water distribution, sewer collection, stormwater management, land development, and landfill projects. His expertise is in utility program management, project management, and utility design. Barton earned his Bachelor of Science in Civil Engineering from the University of Miami and Master of Civil Engineering from Norwich University where he specialized in environmental and water resources engineering.



Stefano Viola, P.E. – Water Distribution/Transmission & Wastewater Collection/Transmission Design; Permitting

Stefano has 13 years of diverse civil engineering experience, including roadway restoration and resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting and site/plan preparation and review. He also has experience serving a diverse group of clients, including counties, municipalities, government agencies, and private developers. He also has experience with AutoCAD, WaterCAD, StormCAD, and Cascade software programs and design analysis software. Stefano earned his Bachelor of Science in Civil Engineering from Florida International University.


Gary Ratay, P.E. – Wastewater Pump Station Design

Gary has 33 years of civil engineering experience, with particular expertise in general municipal engineering, water/wastewater utility design, water resources, stormwater design, project permitting, and construction phase services. His principal areas of practice include water distribution, wastewater collection, force main, stormwater, and associated pump station design, water treatment plant design, well pump design, and site piping, feasibility and engineering reports. Gary serves as project manager or project engineer for numerous South Florida water utility clients. He served as project manager for City of North Bay Village Wastewater Rehabilitation Program, Town Engineer for the Town of Miami Lakes, project engineer for Palm Beach County's aquifer storage and recovery Floridan Aquifer well projects, and as project engineer for the Town of Jupiter's emergency flood outfall project that included pump station design. Stefano earned his Bachelor of Science in Mechanical Engineering from the University of Florida.


Kevin Schanen, P.E. – Wastewater Pump Station Design

Kevin has more than 22 years of experience specializing in water resources design, sanitary and stormwater pump station design, inline booster pump station design, coastal facilities, and structural rehabilitation. He has also served as project manager on numerous utility engineering infrastructure projects that have included stormwater and sanitary pump stations, water and wastewater treatment facilities, water mains, force mains, storm sewers, structural rehabilitations, recreational facilities, contamination assessment and remediation, and roadway design. To date, he has worked on pump stations ranging in size from 10-144 MGD. Kevin earned his Bachelor of Science in Civil Engineering from the University of Florida.


Chris Niforatos, P.E. – Stormwater/Resiliency (Resiliency)

Chris has 26 years of experience specializing in developing opportunities and delivering services in stormwater, watershed, and flood risk management; climate change adaptation; and asset management. He is also Kimley-Horn's National Resilience Practice Leader with a strong background in vulnerability assessments and the development of resilience plans for coastal communities. Chris has extensive expertise with resiliency planning, climate adaptation, and asset management. Chris has a successful record of leading communities through the resiliency planning process and designing a resiliency plan that is deliberate, customizable to the values of the community, and implementable. In addition, Chris has served as project manager and technical lead on a variety of risk-management projects ranging from undertaking countywide asset condition assessments to delivering hardening plans for critical infrastructure to devising energy management strategies. Chris earned his Bachelor of Science in Civil Engineering from Clarkson University, and his Master of Engineering in Environmental Engineering and Master of Business Administration from the University of South Florida.


Derrick Lewis, P.E. – Stormwater/Resiliency (Modeling/Design)

Derrick has 22 years of drainage design and project management experience in the public and private sector and has modeled, designed, permitted, and constructed some of the most complex stormwater management facilities in South Florida. His involvement includes coordination with federal, state, and local regulatory agencies. His specialties include roadway engineering, stormwater master plans, plans production, permitting, municipal design, stormwater modeling, and NPDES permitting. In addition, Derrick served on the FDOT District Six Drainage Technical Advisory Committee and was the Assistant NPDES Coordinator for the District. Derrick earned his Master of Science degree in Transportation Engineering from Florida International University and his Bachelor of Science degree in Civil Engineering from the University of Central Florida.


Alan Garri, P.E. – Stormwater/Resiliency (Pump Station Design)

Alan is a senior project manager with more than 18 years of experience (as of 6/2020) in water, wastewater, drainage, and roadway design. His water resources expertise includes water quality, stormwater management, drainage design, sewer design, and hydrology. Alan's additional experience with civil engineering, roadway design, transportation engineering, geotechnical engineering, construction management, and land development. He has provided project management, site plans, feasibility studies, contract management, environmental permitting, grading design, erosion control, and construction

management. Alan also has extensive experience with Water Management District and FDEP loan and grant funding programs. Alan earned his Bachelor of Science in Mechanical Engineering from the University of Florida.



Armando Lopez, P.E. – Site/Civil Engineering; Construction Administration

Armando is an engineer with eight years of utilities engineering experience including design and preparation of plans, specifications, construction documents; regulatory assistance; and construction administration services. His computer software experience includes AutoCAD, ICPR, and AutoCAD Civil 3D. Armando earned his Bachelor of Science from Florida International University.



Juan Fuentes, P.E., S.E., LEED AP – Structural Engineering

Juan has more than 21 years of structural engineering experience. During this time, he has been involved in all aspects of a project from design concept through construction administration. He has worked on a variety of project types including educational, healthcare, institutional, municipal and sports facilities. Holding an architectural engineering degree, along with his civil engineering degree, Juan has a true appreciation for the artistic vision the architect is creating. He exhausts every option- pushing the envelope to create the landmarks that define a city. His personal philosophy is to provide the soul of a city through the seamless combination of architecture, structure, and vision embodied in Frank Lloyd Wright's Kaufmann Residence. Juan is able fulfill this philosophy through his firsthand knowledge of building materials and construction methods and working meticulously with the architect through all the stages of a project's life cycle. Juan earned both his Bachelor of Science in Civil Engineering and Architectural Engineering from the University of Miami.



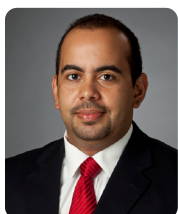
Noel Ramirez, P.E. – Structural Engineering

Noel is a structural engineer with eight years of experience in innovative building design and restoration techniques for parking garages and other structures of various construction types. His intense dedication and knack for details has proven to be a valuable asset in exceeding client expectations while working on a variety of projects. Noel has been involved with projects such as the Miami Dade College InterAmerican Campus Plaza Garage Evaluation, Miami Dade College Wolfson Campus Garage Restoration, Galleria Mall Garage Restoration, and UCF Garages B & D Condition Assessment and Restoration. His software experience includes SAFE, ETABS, RISA 3D, RAM, REVIT, AutoCAD, MathCAD, and MS Office. Noel earned both his Bachelor and Master of Science in Civil Engineering (Structures) from Florida International University.



David Goldman, P.G. – Environmental Engineering

David has 32 years of experience in conducting and managing remediation projects involving hazardous waste, industrial waste, and petroleum contamination. He is experienced with environmental compliance, RCRA, CERCLA, and state hazardous waste and cleanup programs. David has been involved with the assessment and remediation of metals such as lead, chromium, arsenic, barium, zinc, petroleum compounds, Polynuclear Aromatic Hydrocarbons (PAHs), chlorinated solvents, and pesticides. He has completed numerous CAP/CAR/RAP projects under consent order from the FDEP Northeast District and RI/FS investigations under CERCLA, RCRA, and consent order. He has extensive experience and success with expedited site assessment technologies and field screening techniques. David has also provided expert opinion on chlorinated solvents and contaminant transport against leading peers within the industry. He earned both his Bachelor and Master of Science in Geology from the University of Florida.



Leonte Almonte, P.E. – Roadway/Maintenance of Traffic

Leonte has 18 years of engineering experience with a specialty focus on roadway design, drainage design, signing and pavement marking, signalization, and advanced traffic management system design. His experience includes limited-access facility widening to add tolled express lanes; roadway and ITS upgrades to convert existing facilities to all-electronic tolling; design of dynamic message signs and overhead sign structures; and construction contract document preparation and on-site construction phase services. He is a hands-on engineer who is tasked daily with finding solutions to repair, replace, and expand aging transportation infrastructure. He has served as lead design engineer and/or assistant project manager for several large-scale design efforts in South Florida, including I-75 Segments A/B, C & D Widening; I-595 Corridor Widening; Palmetto Expressway Widening; SR 944 Widening; and Okeechobee Road Widening for FDOT District Six in

Miami-Dade County. Leonte earned his Bachelor of Science in Civil Engineering from Pontificia Universidad Catolica Madre y Maestra and his Master of Science in Transportation Engineering from Florida International University.



Gabriela Ramirez, P.E. – Roadway/Maintenance of Traffic

Gabriela has nine years of experience as a roadway engineer. She has development and prepared roadway construction plans, typical section packages, and performed complex geometric calculations. She has also created alignments, typical sections, and traffic control plans for all phases of construction. In addition, she has prepared construction cost estimates. Her software experience includes Microstation, Geopak, AutoCAD, MathCAD, ANSYS, REVIT, and Primavera. Gabriela earned both her Bachelor of Science and Master of Science in Civil Engineering from Florida International University.



Allison Megrath, AICP – Grant Funding Assistance

Allison has 27 years of experience in land use planning and zoning, project management, industrial site certification, stakeholder engagement, regulatory compliance, grant writing and administration, and economic development. Her primary practice centers around working with the public sector to update Comprehensive Plans and Land Development Regulations, and to create Economic Development Strategies. Allison has a passion for assisting rural communities and has managed several projects in Florida and Georgia. She is the current Professional Development Officer/Ethics Officer for APA Florida. Allison also has extensive experience with many other traditional and non-traditional funding programs such as Community Development Block Grants, USDA funding, and economic development grants. Allison has assembled a database of nearly 400 grant and loan funding programs. She nurtures and develops strategic partnerships to create project momentum and support. Allison is very familiar with industrial site certifications, such as CSX Select Site, and McCallum Sweeney Consulting Mega Site Certification. She earned her Bachelor of Science in Urban Studies from the University of Toronto.

Subconsultants

McKim & Creed



Aubrey Haudricourt, P.E. – Electrical Engineering

Aubrey brings 42 years of experience in both electrical and instrumentation engineering and construction. He has designed and overseen the installation of power generation, controls systems, lighting for large facilities. He has also been involved in security assessment and security design. His expertise includes evaluating existing conditions, treatment facility electrical systems, and both electrical and instrumentation systems. Additionally, Aubrey has a long history of working with the City of Hollywood starting with upgrades to the medium voltage generators and transfer system at the water treatment plant. Other projects include the deep well injection pump station, scrubber system, and disinfection system. Aubrey performed an electrical analysis of the standby generators and electrical distribution for the City, along with coordination with Florida Power & Light on the main feeders to the water treatment plant and standby power unit. Recently, Aubrey worked on the design of two lift station projects for the City, which are currently under review.

Mike Stoup, P.E. – Electrical Engineering

Mike's career spans over 26 years of design, implementation and management of SCADA systems and process instrumentation and controls projects in the industrial and municipal marketplace. He offers extensive experience in the areas of project management, QA/QC, control system planning, design and implementation, PLC and HMI software implementation, communications and network planning and implementation. His system hardware and software knowledge extends to platforms provided by Allen Bradley/Rockwell, Schneider Electric, Trihedral, Inductive Automation and Wonderware software.

T2 Utility Engineers



Jeffrey Cooner, PLS – Utility Investigation

Jeffrey is renowned throughout the state of Florida for his expertise in sovereignty submerged lands surveys (meaning high water and ordinary high water) and terrestrial LiDAR scanning (3D LASER scanning). He is also highly sought after for his expert witness testimony, specifically known for his current and historical aerial photography interpretation. Jeffrey is highly experienced in managing large land projects involving multiple disciplines and consultants. He has provided boundary or special purpose surveys for dozens of sections of land requiring use of government retracement procedures. His boundary and topographic survey experience include projects on environmentally sensitive lands for SFWMD, SWFWMD and FDEP including: topographic surveys of Jack's Branch/Jack's Branch Slough, Flatwoods Recreational Area, Babcock Ranch and Bass Ranch. He was responsible for the survey of 90 water access parcels in Lee County on Gasparilla, Captiva, Pine Island, Estero and Hickory Islands.

Gibbs Land Surveyors, Inc.



Stephen Seeley, PSM – Survey

Stephen has over 40 years of experience in the field of Land Surveying, including boundary and topographic surveying, subdivision construction layout, survey project management, field and office team management and special survey projects coordination for FDOT and SFWMD contracts. He has acquired most of his experience in Broward County and has over 20 years of experience in the Hollywood area. Having a command of current technologies, he is well qualified in the use of survey-grade GPS and Digital Data Collection.

Nutting Engineers of Florida, Inc.



Stephen Mrachek, P.E. – Geotechnical

Stephen has 14 years of experience in the field of geotechnical engineering and construction management throughout Florida. His responsibilities include preliminary site studies, geotechnical explorations to determine site preparation, feasibility studies for land development, foundation design analysis and recommendations, workload analysis, observation of piling installations, pile load tests, classification of insitu soils and field/laboratory materials testing. Stephen's experience includes construction layout, prepare surveys and as-builts for approval from clients, contractors and the county, collection of field data, layout of structures, buildings and roads and ensuring quality of work being performed in the field by maintaining correspondence between the office and the contractor.

Archaeological and Historical Conservancy, Inc.

Robert "Bob" Carr – Archaeological Assessment

Bob is a co-founder of the Archaeological and Historical Conservancy in 1985. He has served as its full time director since 1999 and has worked as an archaeologist with the State of Florida's Division of Historic Resources and with the National Park Service. He was Miami-Dade County's first archaeologist and became the County's Historic Preservation Director in 1999. Bob has a Master's Degree in Anthropology from Florida State University. He is a former editor of the Florida Anthropologist and former president of the Florida Archaeological Council. He is a recipient of the Bullen Award, and received Florida's Historic Preservation Award in 2003.



g. Describe the organization of the proposed project team, stressing level of experience and qualification, detailing the level of involvement, field of expertise and estimated hours for each member of the team.

An organizational chart depicting our proposed project team can be found on the following page. Detailed resumes for each team member are included at the end of this section.

Kimley-Horn maintains an effective and accurate accounting of projected staff hours for up to a six-month period through a system we call "castaheads." We know our availability at any given moment, and because we have access to the resources of 16 offices in Florida (and more than 90 offices across the firm), we assure you we have the required staff and tools to meet critical deadlines for any task, at any time.

Design and Construction Administration Services for Backup Electrical Power Generators for Sewer Lift Stations

E-01, E-03, E-06, W-14, W-15 AND STORMWATER PUMP STATION SW-08

Project No. 20-8532



Principal-In-Charge
WAYNE WHITE, P.E.



Project Manager
JUAN JIMENEZ, P.E.



QA/QC
TOM JENSEN, P.E.

Water Distribution/Transmission
Wastewater Collection/
Transmission Design
JUAN JIMENEZ, P.E.
BARTON FYE, P.E., ENV SP
STEFANO VIOLA, P.E.

Wastewater Pump
Station Design
GARY RATAY, P.E.
KEVIN SCHANEN, P.E.

Stormwater/Resiliency
CHRIS NIFORATOS, P.E. (RESILIENCY)
DERRICK LEWIS, P.E. (MODELING/DESIGN)
ALAN GARRI, P.E. (PUMP STATION DESIGN)

Site/Civil Engineering
BARTON FYE, P.E., ENV SP
ARMANDO LOPEZ, P.E.

Structural Engineering
JUAN FUENTES, P.E., S.E.
NOEL RAMIREZ, P.E.

Environmental
Engineering
DAVID GOLDMAN, P.G.

Permitting
STEFANO VIOLA, P.E.
BARTON FYE, P.E., ENV SP

Roadway/Maintenance
of Traffic
LEONTE ALMONTE, P.E.
GABRIELA RAMIREZ, P.E.

Construction
Administration
JUAN JIMENEZ, P.E.
ARMANDO LOPEZ, P.E.

Grant Funding
Assistance
ALLISON MEGRATH, AICP

Subconsultants

Utility Investigation
JEFFREY COONER, PLS
T2 UTILITY ENGINEERS

Survey
STEPHEN SEELEY, PSM
GIBBS LAND SURVEYORS, INC.

Electrical Engineering
AUBREY HAUDRICOURT, P.E.
MIKE STOUP, P.E.
MCKIM & CREED

Geotechnical
SCOTT ERSLAND
NUTTING ENGINEERS
OF FLORIDA, INC.

Archaeological
ROBERT CARR
ARCHAEOLOGICAL AND
HISTORICAL
CONSERVANCY, INC.

The following table illustrates the projected availability of our key staff to serve the City on this contract at notice to proceed. Availability hours are based on a 40 hour work week.

TEAM MEMBER	ROLE	YEARS OF EXPERIENCE	AVAILABILITY (est. hours/month)
Juan Jimenez, P.E.	<i>Project Manager</i>	25	80
Wayne White, P.E.	<i>Principal-in-Charge</i>	26	24
Tom Jensen, P.E.	<i>Quality Assurance/Quality Control</i>	34	56
Barton Fye, P.E., ENV SP	<i>Water Distribution/Transmission & Wastewater Collection/Transmission Design; Site/Civil Engineering; Permitting</i>	13	104
Stefano Viola, P.E.	<i>Water Distribution/Transmission & Wastewater Collection/Transmission Design; Permitting</i>	13	88
Gary Ratay, P.E.	<i>Wastewater Pump Station Design</i>	33	64
Kevin Schanen, P.E.	<i>Wastewater Pump Station Design</i>	22	56
Chris Niforatos, P.E.	<i>Stormwater/Resiliency (Resiliency)</i>	26	72
Derrick Lewis, P.E.	<i>Stormwater/Resiliency (Modeling/Design)</i>	22	104
Alan Garri, P.E.	<i>Stormwater/Resiliency (Pump Station Design)</i>	18	56
Armando Lopez, P.E.	<i>Site/Civil Engineering; Construction Administration</i>	8	64
Juan Fuentes, P.E.	<i>Structural Engineering</i>	21	64
Noel Ramirez, P.E.	<i>Structural Engineering</i>	8	40
David Goldman, P.G.	<i>Environmental Engineering</i>	32	72
Leonte Almonte, P.E.	<i>Roadway/Maintenance of Traffic</i>	18	88
Gabriela Ramirez, P.E.	<i>Roadway/Maintenance of Traffic</i>	9	40
Allison Megrath, AICP	<i>Grant Funding Assistance</i>	27	48

h. Describe what municipal staff support is anticipated for this type of engagement.

From our experience, an effective approach is when the consultant and City partner as a team. Effective communication is important so the City can share their objectives, expectations and schedules with Kimley-Horn. It is important to have the City designate a project manager who will be Kimley-Horn's point of contact. Our approach is to keep your project manager informed without overburdening them.

- We will tailor our management to fit with your project manager's style and preferences.
- We will ensure your project manager is always ready to answer any inquiries from City officials or the public regarding progress and design approach.
- We will take the lead and be proactive in managing the project while informing the City of critical path items to allow staff to intervene when necessary and eliminate surprises.
- Your project manager will have ready access to progress reports, schedules, meeting minutes and associated action items, and be invited to attend project progress meetings.
- The City's project manager will review and approve design decisions, facilitate reviews of deliverables by City staff at the agreed submittal intervals, and facilitate meetings with City staff and officials, if needed.
- The City's project manager will coordinate any public meetings, if needed, to allow for stakeholder input and participation before final design.
- It is recommended that City staff, along with the Consultant, attend any meetings with the County or other permitting agencies.

i. Describe your approach to performing the work. This should include your role and that of other parties involved in the data gathering, data analysis and recommendation process.

Project Initiation

- 1.** All key members of the Kimley-Horn team will attend a project kick-off meeting with the City's Project Manager and staff to discuss important issues such as:
 - a.** Introductions of the Consultant and City team members (Project Team), assigned responsibilities, and accountability of each party
 - b.** Project approach, schedule, budget, and other goals
 - c.** FEMA/FDEM reporting requirements
 - d.** Required submittals and deliverables
 - e.** Proposed or planned upgrades to any of the subject lift/pump stations that may affect power requirements
 - f.** Other items that will be required to achieve a successful project
- 2.** The Kimley-Horn team will prepare a kick-off meeting agenda, present a project schedule and approach, record minutes, and distribute all materials to each Project Team member.
- 3.** The kick-off meeting will be followed by site visits by the Project Team to each lift/pump station site to discuss site specific aspects and concerns, take photographs, and record necessary data for design.

Site Investigation, Data Collection, and Record Search

- 1.** The Kimley-Horn team's Land Surveyor, *Giibb's Land Surveyors, Inc.*, will prepare boundary topographic surveys of each site, including legal boundaries and encumbrances, all existing above ground features, trees, utility poles/wires, and underground City-owned infrastructure. The surveys will be provided in the formats required by the City and design team. They will be used as backgrounds for preparation of construction drawings and to identify where additional easements and/or right-of-way may be required.
- 2.** The Kimley-Horn team will conduct archaeological/historical/cultural assessments to provide information about the project sites and determine the likelihood of unrecorded cultural resources being present within them as required by FEMA and FDEM. This will consist of a review of pertinent records, maps, and aerial photographs, followed by site visits. A determination of the likelihood that historic sites might occur will be provided in a written report that will include a description of methodology, results, and recommendations. Areas of any such occurrences will be recorded by the team's Land Surveyor.
- 3.** The Kimley-Horn team will obtain readily available atlases, GIS data, as-builts, record drawings or other available formats showing the locations, sizes, and depths of existing underground utilities located within and abutting the project sites. The information will be used to anticipate potential underground conflicts should new foundations be required to support the generators, and identify new utility connection points, if needed.

Engineering and Design

- 1.** Electrical and Controls Engineering
 - a.** The Kimley-Horn team's Electrical Engineers, *McKim & Creed*, will perform electrical analysis and design in conformance for new permanent standby power generators, controls, fuel systems, automatic transfer systems (ATS), grounding and lightning arrestors, and ancillary electrical components such as lighting for each lift/pump station. McKim & Creed is intimately familiar with the City of Hollywood's pump station operations staff, procedures, and equipment preferences and essentially operate as an extension of City staff.
 - b.** The new generators will include sound attenuation enclosures and mufflers limiting noise to a maximum of 73dBA at 21 feet in compliance with the City's noise ordinance (Title IX, Ch. 100).

- c. Services during design will also require coordination of utility connection upgrades with FPL, and coordinating the generators' signals with the City's in-place remote telemetry communication equipment.
- d. Based on process and power requirements of the existing lift/pump stations, City's equipment preferences, project budget, site restrictions, and other constraints, the Kimley-Horn team will propose the most cost-effective emergency backup power solution for each specific site. This will be discussed with the City prior to submittal of 60% design documents and will include a recommendation of the type of equipment, location, connections, etc.

2. Structural Engineering

- a. Based on the proposed generator and fuel tank equipment recommendation, existing site conditions, and flood elevation requirements, Kimley-Horn Structural Engineers will evaluate whether the new equipment can be supported by existing concrete pads, or whether new concrete pads, foundations, or platforms will be required to support and elevate the equipment above the 500-year flood elevation.
- b. In the event new structural support systems are required, Kimley-Horn will perform the following tasks:
 - Recommend necessary soil bearing tests to be performed by the Kimley-Horn team's Geotechnical Engineer, *Nutting Engineers*. The test locations will be coordinated with the team's Land Surveyor to be recorded on the boundary survey.
 - Review geotechnical report results and recommendations provided by Nutting Engineers.
 - Perform stability analyses and design generator support framing and foundation.
 - Identify and specify the structural design criteria for any components to be fabricated, such as stairs, railings, and platform/deck flooring.

3. Site/Civil Engineering

- a. Kimley-Horn Civil Engineers will be responsible for maintaining the project schedule, opinion of costs, and assist in coordinating the work of all disciplines within the team, both field activities and design.
- b. Kimley-Horn Civil Engineers will meet with agencies having jurisdiction over the project to discuss design, construction, and regulatory requirements and will prepare a permit tracking matrix with agency names, permit types, permit/approval numbers, and anticipated issue dates.
- c. Using the CAD file for each topographic boundary survey as background, Kimley-Horn will overlay "best available" locations of existing underground utilities and create project base maps for each site for use by the team.
- d. Kimley-Horn will coordinate with the team's Subsurface Utility Exploration consultant, *T2 Engineers* (T2E) to field-locate any existing underground utilities for which as-built locations are not sufficiently clear and may be in conflict with proposed foundation systems. Once T2E completes the vacuum digs, they will update the project base maps with their findings.
- e. Using available State and County flood data and maps, Kimley-Horn Civil Engineers will perform a flood routing analysis report to establish the 500-year flood elevation for each site, compare with existing grades on each site, and coordinate with the Structural Engineers how far above grade the equipment will need to be raised.

4. The Kimley-Horn team will submit progress deliverables at the agreed-upon intervals or as required by the funding agencies, customarily at 60%, 90% and 100% completion. Deliverables will include:

- a. Progress drawings
- b. Progress specifications
- c. Progress schedule
- d. Progress opinion of probable costs

5. The Kimley-Horn team will attend progress meetings with City staff at each deliverable interval to discuss schedule and budget updates, the status of design documents, any changes to scope initiated by the City, FEMA/FDEM, or others, and to make sure the City Project Manager is well informed and is able to respond to City Officials or other stakeholders that may inquire about the project.

Bid and Award Phase

1. Kimley-Horn has extensive experience working together with the City's Public Utilities staff on the process of bidding and awarding construction contracts, so there is zero learning curve.
2. Using the latest engineer's opinion of probable construction costs, we will prepare a list of contract pay items for the bid, perform quantity take-offs based on the identified pay items, and develop a proposal bid form on which contractor bids will be based.
3. The Kimley-Horn team will use the City's current Standard Technical Specifications, Standard Details and "front-end" documents, modify these accordingly to make them site and project specific, and create a Bid/Contract Document for the project. The intent of the specifications is to detail the activities, materials, criteria, equipment, testing, contractual items, and payment methods to be incorporated into the project.
4. We will provide a draft copy of the bid document to the City's Project Manager for review and comment. Subsequently, Kimley-Horn will attend a meeting with City staff to discuss the draft bid document, proposed bidding dates and other bid criteria, and go over the City's review comments. Once comments are received from the City and addressed, a final bid/contract document will be submitted which will be uploaded to the City's website for advertisement of the construction project.
5. Once the project is publicly advertised, we will attend a pre-bid conference and job walk-through with potential bidders and City staff to present the project and address questions and comments. We will respond in writing to reasonable technical questions from qualified bidders and issue bid addenda, as required.
6. Upon the closing of bids, we will attend the bid opening meeting and assist the City with the evaluation and tabulation of contractor bids, reference checks, and ranking of bidders based on the City's selection criteria.

Limited Construction Phase Services

1. Having previously completed several construction projects for the City of Hollywood, Kimley-Horn is able to operate as an extension of Public Utilities staff. We are proud to serve as a trusted advisor to City staff.
2. During the construction phase of the proposed project, the Kimley-Horn team will attend a preconstruction meeting with the City and selected contractor, including providing a meeting agenda, recording, and distributing minutes.
3. We will issue a conformed set of Contract Documents encompassing all changes which occurred during the bid phase, review shop drawing submittals from the Contractor, respond in writing to requests for information (RFI) or clarification from the contractor.
4. The team will review and provide recommendations to the City as to contractor change order requests, monthly payment applications, and field change directives.
5. We will assist the City Project Manager in the preparation and submittal of status reports and requests for information to FDEM and FEMA as required in the funding agreements.
6. The Kimley-Horn team will attend monthly progress meeting with City staff and Contractor, including preparation of agendas and minutes.
7. We will visit the sites monthly during construction of the proposed generator installations and prepare site observation reports.
8. We will visit the sites at substantial completion to prepare a punch-list of items that are found not to be in conformance with the contract documents, or items that require correction, completion, or replacement. Subsequently, we will attend a final site walk-through to confirm that corrective punch-list items were addressed to the satisfaction of the City.

9. Upon completion of construction, the Kimley-Horn team will perform the following project close-out tasks:
 - a. Review final hardcopy and digital as-built drawings and other documents provided by the Contractor for conformance with the contract close-out requirements
 - b. Perform Arcflash Study for each generator prior to startup per NFPA 70E. The study shall encompass new equipment to the ATS level. Labels will be provided to be installed on equipment
 - c. Attend the start-up and commissioning of each generator
 - d. Elevation Certificates for each site will be prepared by the team's Land Surveyor based on the as-built elevation of the equipment
 - e. Prepare Engineer's Certification of Completion recommending payment of any retainage to contractor, and as required by FEMA/FDEM

Project Schedule

Please find a proposed project schedule on the following page.

Design and Construction Administration Services for Backup Electrical Power Generators for Sewer Lift Stations

E-01, E-03, E-06, W-14, W-15 AND STORMWATER PUMP STATION SW-08

Project No. 20-8532

Design and Construction Administration Services for Backup Electrical Power Generators

E-01, E-03, E-06, W-14, W-15 AND STORMWATER PUMP STATION SW-08

Project No. 20-8532

Anticipated Start Date: 6/29/2020

Anticipated Completion Date: 2/7/2022

Project Activities	Start Date	Completion Date	Duration (days)	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Commission Approval	6/17/2020	6/17/2020	0	◆																				
¹ Notice to Proceed for 60% Design	6/18/2020	6/25/2020	7																					
Kick-off Meeting	6/29/2020	6/29/2020	0	◆																				
Boundary Survey	6/30/2020	7/30/2020	28																					
Archaeological and Archival Review/Report	6/30/2020	7/28/2020	28																					
Utility Records Request and Cataloguing	6/30/2020	8/28/2020	59																					
Electrical and Controls Design 60%	7/14/2020	9/11/2020	59																					
Structural Engineering Design 60%	8/13/2020	9/11/2020	29																					
Site-Civil Engineering Design 60%	7/7/2020	8/6/2020	30																					
² 60% Submittal and Review by City of Hollywood	9/14/2020	9/28/2020	14																					
Notice to Proceed for 90% Design	9/29/2020	9/29/2020	0					◆																
Geotechnical Field Work and Report	9/30/2020	10/20/2020	20																					
SUE Field Work and Report	10/1/2020	10/30/2020	29																					
Electrical and Controls Design 90%	10/20/2020	11/19/2020	30																					
Structural Engineering Design 90%	10/21/2020	11/19/2020	29																					
Site-Civil Engineering Design 90%	11/5/2020	11/19/2020	14																					
² 90% Submittal and Review by City of Hollywood	11/23/2020	12/8/2020	15																					
Notice to Proceed for Permitting and 100% Design	12/9/2020	12/9/2020	0								◆													
³ Submittal to City of Hollywood Building Dept.	12/10/2020	1/11/2021	32																					
Submittal to Broward County EP&GM	12/10/2020	1/11/2021	32																					
Addressing Agency Review Comments	1/12/2021	1/26/2021	14																					
Resubmittal and Approvals	1/27/2021	2/10/2021	14																					
100% Construction Documents and Specs	2/11/2021	3/12/2021	29																					
² 100% Submittal and Review by City of Hollywood	3/15/2021	3/29/2021	14																					
Notice to Proceed for Bid Phase	3/30/2021	3/30/2021	0										◆											
⁴ Procurement Phase	3/31/2021	6/29/2021	90																					
Notice to Proceed to Contractor	6/30/2021	6/30/2021	0														◆							
Construction Phase Services	7/1/2021	12/28/2021	180																					
Substantial Completion of Construction	12/29/2021	12/29/2021	0																			◆		
Construction Close-out	12/30/2021	1/28/2022	29																					
Final Completion of Construction	1/31/2022	2/7/2022	7																					

¹ Assumed NTP for 60% design two weeks after Commission approval

² Assumed two weeks for City reviews

³ Assumed 30 days for City Bldg. Dept. reviews.

⁴ Assumed 90 days from start of Procurement through Contractor NTP.

Juan Jimenez, P.E.

Project Manager

Relevant Experience

Hollywood General Engineering Consultant Services: Water, Sewer, Reuse, and Stormwater Infrastructure Projects, Hollywood, FL— Project manager.

Under the City of Hollywood's general engineering consultant contract, Kimley-Horn is providing services for water, sewer, reuse, and stormwater infrastructure projects. These services include projects for the 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 would include, but not be limited to: design, permitting, construction management and administration, and field services.

Hollywood Continuing Services Contract for Utilities and Infrastructure, Hollywood, FL— Project manager. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S.1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

Post-Construction Investigations for Several Pump Stations, Miami-Dade County, FL— As subconsultant to another firm, performed post-construction reviews of several force main/pump station improvement projects for Miami-Dade Water and Sewer Department (MDWASD). The project included a thorough review of possible construction flaws and alleged wrongdoing on the part of several contractors. Responsibilities included field reconnaissance and measurements and recommending and witnessing exploratory excavations. The project also involved a complete review of all construction files and documentation, including material requisitions, financial history, inspection reports, photographs, payment requests, and payments made to the contractors. Reports were prepared for each project reviewed, and findings were reported at several meetings and depositions.

Water Distribution and Sanitary Sewage Collection Improvements from NW 41st Street to NW 51st Street, between NW 35th Avenue and NW 36th Avenue (12-inch water mains and 8-inch sewer mains), Miami-Dade Water and Sewer District (MDWASD), Miami-Dade County, FL— Project manager for the design and installation of 7,000± linear feet of 12-inch diameter water mains, 8,000± linear feet of 8-inch sewer mains and service connections in order to sustain present and future economic redevelopment within a 70± acre, mostly-industrial area of Miami-Dade County. Services included planning, hydraulic modeling, analysis and design, stakeholder coordination and public involvement, permitting, assistance during bid and award, and construction phase services. Many properties in the project area are on private water wells and septic systems, and others are served by the neighboring City of Hialeah. The plans included a sequence to transfer those connections from Hialeah to Miami-Dade County without service interruptions.



Special Qualifications

- » 25 years of diverse engineering and project management experience
- » Areas of expertise include water supply and distribution, wastewater collection and transmission, stormwater management, roadway, general civil engineering, and land development
- » Experienced in the preparation of permit documents, bid/contract documents and specifications, work schedules, and opinions of construction costs
- » Experienced in quality control review of projects with constant client interaction through all phases

Professional Credentials

- » Bachelor of Science, Civil Engineering, Florida International University
- » Professional Engineer in Florida, #56704
- » American Society of Civil Engineers (ASCE)
- » Florida Engineering Society
- » National Society of Professional Engineers (NSPE)

Juan Jimenez, P.E.

Relevant Experience Continued

South Park Road Transmission Water and Force Main Upgrade, City of Hollywood, FL— Project manager from 2011 to 2012 and was responsible for design, preparation of construction documents, permitting, bid and award of the construction contract, and construction oversight for approximately 3,900 LF of new 16-inch diameter sanitary sewage force main and 2,700 LF of new 16-inch diameter transmission water main along Pembroke Road and South Park Road. The proposed force main was to receive flow from an adjacent private pump station serving a Coca Cola plant as well as a master sewage meter that receives sewage flow from several municipalities. Maintaining uninterrupted sanitary sewer service at all times during construction was critical, so a temporary by-pass system was specifically designed to allow the new main to be constructed, tested and released for service while the existing system remained in service. Other services included obtaining regulatory approvals, assistance during the bid and award of the construction contract, and construction phase services.

Gwen Cherry Park Wastewater Improvements, Miami, FL — Project manager. The project consisted of providing a new sanitary sewer connection for the existing pool facility within the Gwen Cherry Park property. This included design of new gravity sewer, private on-site pump station and force main to connect with the existing public sanitary sewage collection system. The alignment of the sanitary system required coordination with future parks improvements, coordination with Miami-Dade DERM to ensure that we maintained sufficient clearance from existing on-site landfill sites, and a bore-and-jack crossing of an existing FEC railroad spur. Because the proposed system would be pumping into an existing public gravity sewer, it was required by FDEP that a system capacity analysis be performed for the existing sanitary sewer system between the proposed point of connection and the receiving municipal sanitary pump station. Services included preparation of construction drawings, regulatory permitting, preparation of bid and contract documents, and assistance with the bid and award phase of the construction contract and construction phase services.

Water Main Replacement Program, City of Hollywood, FL — Since 2009, Juan has been serving as project manager for the City of Hollywood's Citywide Water Main Replacement Program. To date the project has included the replacement of over 77 miles of existing aging and undersized water mains up to 16-inch diameter in order to increase flow capacity within residential and commercial areas of the City of Hollywood, FL. The project also includes replacement of existing fire hydrants and service connections, and addition of new hydrants and services where needed to meet water service and fire protection requirements. The installations occurred within three major roadway jurisdictions: the City of Hollywood, Broward County, and Florida Department of Transportation (FDOT) District 4.

NW 37 Avenue Water and Sewer Improvements, Miami-Dade County, FL — Project manager. This project is part of the Miami-Dade Water and Sewer Department's (MDWASD) "Needs Assessment Program" (NAP). It consisted of the preparation of a technical memorandum to evaluate alternatives and recommend improvements within a 2,000-acre area of unincorporated Miami-Dade County that had little or no existing water and sewer infrastructure. Improvements were necessary to expand the capacity of the existing system and sustain future economic redevelopment within the area. Additionally, though the project area is within unincorporated Miami-Dade County, portions of it receive water service via water mains owned and operated by the adjacent City of Hialeah. Part of our services included developing a plan to disconnect services from the City of Hialeah and reconnect them to the County's water distribution system. The scope of services included data collection; site investigations; and researching utility billing records to identify properties currently without water and sewer service or being served by the City of Hialeah. Other tasks performed included environmental site assessments, researching right-of-way availability, coordination with regulatory agencies and stakeholders, future demand projections, hydraulic modeling to identify system deficiencies and the development of alternatives to meet current and future potable service and fire protection demands. Alternatives were evaluated based on several factors, such as hydraulic performance, constructability, economics, right-of-way availability, and impacts to the community. Kimley-Horn delivered a Technical Memorandum to MDWASD containing all findings and recommendations for implementation of improvements.

Miami-Dade Water and Sewer Department, 72-inch Raw Water Main Design, Miami-Dade County, FL— Project manager. Kimley-Horn was responsible for the design of approximately 8,800 feet of 72-inch raw water pipeline through a heavily urbanized section of the City. The project included the implementation of a trenchless technology (micro-tunneling) for approximately 1,300 feet under two major canals and a major railroad switch yard.

Wayne White, P.E.

Principal-in-Charge

Relevant Experience

Master Pump Station No. 1 and Master Pump Station No. 2 (under continuing engineering services contract), St. Pete Beach, FL— The City of St. Pete Beach hired Kimley-Horn under a continuing services contract to design a rehabilitation plan to fix existing issues with their quadruplex master pump station. The pumps that were in service were undersized for the Peak Hourly Flow (PHF) and had several maintenance issues that caused them to fail on a frequent basis. The Kimley-Horn team provided design services for the rehabilitation of the existing Master Pump Station No. 1 (quadruplex), including the replacement of all four 125-HP pumps with 140-HP pumps, installation of new electrical and instrumentation equipment, and structural modifications. Services included preliminary planning, plan and specification production, bid services, and construction observation. The scope of work included the following: evaluation of existing flows of the station to ensure adequate capacity; system-wide wastewater flow and pressure modeling; pump redesign; and structural redesign of two 10-foot wetwells.

St. Pete Beach Pump Station No. 3 Replacement, St. Pete Beach, FL— Principal-in-charge. Kimley-Horn provided general engineering services for the replacement of Pump Station No. 3. Kimley-Horn determined the capacity of the receiving sewer system and utilized this as a design constraint as for the maximum flow of this pumps station. This scope assumed a new station will be constructed on the City's property adjacent to the existing station. The work involved: evaluating the contributing service area to determine the required wet well and pumping capacity; designing new lift station wet wells and providing for new pumps, piping, valves; and controls; and design of electrical controls to accommodate VFD controls that will monitor the wetwell level and not exceed the maximum flow rate the gravity sewer. Tasks included: Task 1 – Site Visit/Preliminary Design; Task 2 – Final Design/Permit Applications; Task 3 – Bidding Services; and Task 4 – Construction Observation Services.

St. Pete Beach Rehabilitation of Lift Stations #5, #6, #9, and #12, St. Pete Beach, FL— Project manager. Kimley-Horn provided general engineering services for the rehabilitation of lift stations #5, #6, #9, and #12. The stations have new pumps, control panels, piping, valves, and the wetwells lined and/or repaired. The work included a topographic of each lift station; preparation of plans providing for the replacement of the pumps, piping, valves, and controls; and construction management, including site visit and start-up. These stations were the first in the City to be converted to the new SCADA system.

City of Sarasota Lift Station #8 Force Main Replacement, Sarasota, FL— QA/QC reviewer. This project included the replacement of an existing 12-inch diameter AC force main along Coconut Avenue from just north of 10th Street, approximately 2,700 LF north, to 17th Street. The existing force main was capped and grouted once officially taken out of service. The scope of services involved the preparation of a basis of design report (BODR) that evaluated four route alternatives for the realignment of the 12-inch force main. Kimley-Horn also developed a hydraulic model of the existing City of Sarasota system with the boundary limits consisting of four lift stations. The hydraulic model was used to identify the impacts to the existing lift station #8 for each route/alignment and results were discussed in the BODR that was prepared and submitted to the City.



Special Qualifications

- » Senior water resources engineer with more than 26 years of experience serving municipal clients throughout Florida
- » Specializes in wastewater treatment, water and wastewater pipeline design, pump stations, WaterCAD, SewerCAD, and construction observation
- » Experience includes the planning, design, permitting, and construction of water, wastewater, and reclaimed water collection, transmission, treatment, and disposal systems

Professional Credentials

- » Bachelor of Civil Engineering, Civil and Environmental Engineering, University of South Florida
- » Associate of Arts, Engineering, Hillsborough Community College
- » Professional Engineer in Florida, #53232
- » American Water Works Association (AWWA)
- » Florida Engineering Society
- » Water Environment Federation (WEF)

Wayne White, P.E.

Relevant Experience Continued

Village of Parrish Master Lift Station, Manatee County, FL, Parrish, FL — QA/QC reviewer. Kimley-Horn performed design and permitting for the Village of Parrish master lift station. The current design included an inline booster station; however, the County wants to modify the design to a submersible lift station to incorporate future gravity flows. Kimley-Horn constructed a hydraulic model for the northwest service area to determine how the new master lift station will affect the overall force main network. This model was utilized to select the appropriate pumps to operate during peak flows. The design included a quad-plex submersible lift station, electrical building, crane, odor control, piping modifications, and site civil improvements.

Peace River Manasota Regional Water Supply Authority (PRMWSA) On-Call General Engineering Services (includes Pump Station No. 10-P-4 Replacement, aka Reservoir Pump Station Rehab) - 2016-2017, Arcadia, FL — Project engineer on the Kimley-Horn team selected to perform an alternatives analysis on the replacement of pump 10-P-4. The alternatives analysis consisted of a hydraulic, electrical, and structural evaluation of the pump station. Once obtaining four alternatives for the PRMWSA, several options were reviewed and a plan to increase the pump station capacity to 6-MGD was implemented. This project is part of the General Professional Engineering Services contract.

RAS/WAS Pump Station No. 3, Destin, FL — Served as QA/QC reviewer. Kimley-Horn was authorized by Destin Water Users, Inc (DWU) to evaluate and design a modification to Pump Station No. 3. The existing pump station was limited by the hydraulic capacity of the influent gravity discharge due to ragging in the pipe and telescoping valves as well as possible other unknown factors. As a result, operations were not able achieve the desired activated sludge return rate of 1,050 gpm per clarifier. Kimley-Horn recommended and designed a central suction lift pump station, allowing the flow to be continuous from the clarifiers, limiting the impacts of ragging and solids deposition. This configuration allows the system to run in parallel if one of the clarifiers is offline or out of service. If one of the clarifiers were to be shut down in an emergency operation, DWU staff could open the middle valve and close either the north or south valve, allowing the system to run in parallel using two (2) pumps to draw from the same clarifier.

Dade City Lift Station 1B Rehabilitation, Dade City, FL — Project engineer. The project consisted of rehabilitation and modifications to 24 existing sanitary sewer lift stations. Provided construction phase services and certifications, including: site inspections for all 24 lift stations; review of construction plans and specifications; coordination with the FDEP SRF Department; water monitoring and reporting in compliance with the Davis-Bacon Act; visits to the site and construction observation; review of record drawings and final documentation; and submission of FDEP permits.

Miami-Dade 60-inch Force Main SL-3A-2 - SP-1 Transmission Force Main Extension, Phase 2, Miami, FL — Project engineer. Kimley-Horn is responsible for the design of SL-3A.2, the segment of SL-3A from SW 152 Street to SW 176 Street along SW 137th Avenue with an approximate length of 8,000 linear feet. Connection between SL-3A.1 and SL-3A.2 will take place south of the intersection of SW 137 Avenue and 152 Street. Work on the intersection will be by Wade Trim. Connection between SL-3A.2 and SL-2.1 will take place south of the intersection of SW 137 Avenue and 176 Street. Work on the intersection will be done by Kimley-Horn. No other connections to existing or proposed force mains are proposed since this force main will operate as transmission main.

Pasco County Lift Station Rehabilitation Project, Pasco County, FL — Project engineer on the Kimley-Horn team who is providing design, permitting, and construction services for this lift station rehabilitation project as a part of a continuing contract with Florida Governmental Utility Authority,. Tasks include: preparation of construction plans and specifications, bidding assistance, and construction administration services.

Dunnellon Rio Vista Wastewater Treatment Facility (WWTF) Decommissioning (includes I&I), Dunnellon, FL — Project engineer. The project involved abandoning the Rio Vista Wastewater Treatment Facility (WWTF), interconnecting the Rio Vista system to the Rainbow Springs system, and Infiltration and Inflow (I&I) evaluation of the Rio Vista collection system. The I&I evaluation included cleaning, video inspection, condition assessment, and cured-in-place liner repairs to the collection system piping and residential connection laterals. I&I repairs to existing lift stations were also performed. Work also included the design of a new master lift station on site and construction of a force main to connect the two systems.

Tom Jensen, P.E.

Quality Assurance/Quality Control

Relevant Experience

Hollywood General Engineering Consultant Services: Water, Sewer, Reuse, and Stormwater Infrastructure Projects (includes North Central Septic to Sewer Conversion project), Hollywood, FL — QA/QC reviewer. Under the City of Hollywood's general engineering consultant contract, Kimley-Horn is providing services for water, sewer, reuse, and stormwater infrastructure projects. These services include projects for the 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 would include, but not be limited to: design, permitting, construction management and administration, and field services.

North Central Septic to Sewer Conversion, Hollywood, FL — QA/QC reviewer. This project involves expanding the City of Hollywood's existing sanitary sewage collection system and will be divided into two sanitary sewer basins—W-09 Basin and W-25 Basin. Kimley-Horn's scope of services includes: basin delineation, sewage flow projections, pipe sizing and hydraulics, design, preparation of construction documents, regulatory assistance, assistance during the bid and award phase of the construction contract, and limited construction phase services.

Martin County Utilities Raw Water Main (RWM) and Pump Station (PS), Martin Downs to Tropical Farms, Martin County, FL — Project manager. For this project, Kimley-Horn prepared design drawings and specifications for the proposed in-line booster pump station and the proposed raw water main extension; prepared and submitted permit applications and support documentation to FDEP, SFWMD, USACE, and FDOT/FTE agencies; provided bid services; provided limited construction administration phase services; prepared an operational protocol; and submitted a certification of completion of the project to the appropriate agencies cited previously for the completed project.

Las Olas Wastewater Pump Station, Fort Lauderdale, FL — Utility engineer. The City of Fort Lauderdale is jointly performing a marina expansion project off Las Olas Boulevard along the Intracoastal Waterway with Suntex Marinas. Because of the marina expansion, a significant amount of underground utilities is required to be relocated, along with a major wastewater pump station, Station D-31, that serves the island. Kimley-Horn was tasked at developing concepts for the relocation of the utilities and the pump station such that the end users had minimum or no impact to their service. Kimley-Horn was also tasked with expediting the design of the new pump station due to the long lead time of the station components. The final concept concluded with a new station that will consist of a 3-pump submersible pump station (each pump is rated at 1,200gpm each within a 12ft ID wetwell). The pump station will also have an on-site emergency generator. The pump station design was completed within 60 days and is currently in regulatory agencies for permitting.

Fort Lauderdale Las Olas Wastewater System Improvements, Fort Lauderdale, FL — Las Olas Marina Wastewater System Improvements, City of Fort Lauderdale/Suntex Marinas, FL - Project manager. Kimley-Horn was tasked with developing concepts for the relocation of the utilities and the pump station so the end users had minimum or no impact to their service. Kimley-Horn was



Special Qualifications

- » Senior water resources engineer with 34 years of experience
- » Skills include project management, client management, operations/planning, forecasting/projections, project budgeting, and staff utilization

Professional Credentials

- » Bachelor, Civil Engineering, University of South Florida
- » Professional Engineer in Florida, #37290
- » American Water Resources Association
- » American Water Works Association (AWWA)
- » Leadership Florida - Alumni
- » Leadership Palm Beach County-Alumni

Tom Jensen, P.E.

Relevant Experience Continued

also tasked with expediting the design of the new pump station due to the long lead time of the station components. The final concept concluded with a new station that will consist of a 3-pump submersible pump station (each pump is rated at 1,200gpm each within a 12-foot ID wetwell). The pump station will also have an on-site emergency generator. The pump station design was completed within 60 days and is currently in regulatory agencies for permitting. In addition to the pump station and relocated utilities, approximately 1,200 LF of 10- and 12-inch gravity sewer was required to be rehabilitated. The 10-inch gravity sewer needed to be upsized to 12 inches. It was determined that the most prudent method to address this segment of gravity sewer was to use pipe bursting due to the condition of the existing clay pipe. Kimley-Horn was tasked with this project, to develop design plans, and coordinate with the regulatory agencies and a pipe bursting contractor to facilitate the rehabilitation of this segment of gravity sewer.

Wastewater Infiltration and Inflow Study (aka Infiltration and Inflow Study of Town of Palm Beach Sanitary Sewer System Phase 1 - System-Wide Sewer Flow Analysis and Flow Metering Monitoring Plan), Palm Beach, FL — Project manager. Over the past few years, the Town of Palm Beach has been experiencing infiltration and inflow (I&I), along with sanitary sewer overflows throughout their entire sewer network. These occurrences place a burden on the existing sewer network and lead to additional monthly operational expenditures by the Town for excessive wastewater volumes that include I&I and sewer overflows that are ultimately sent to the East Central Regional Water Reclamation Facility (ECRWRF). The Town's sewer network consists of approximately 40 miles of gravity sewer main, 1,000 manholes, 56 pump stations/lift stations, and approximately 27 miles of sewer force main. Kimley-Horn recommended a three-phase approach for this analysis. The first phase consisted of desktop evaluation using an EPA software and a outside vendor software known as Slicer. All of the lift station run times and associated basins of each station were evaluated, along with the Town's rainfall and geotechnical data. This evaluation established the worst basins and estimated rainfall derived I&I. This initial Phase 1 evaluation calculated a potential savings of \$700,000 per year. Phase 2 work will consist of actual flow monitoring in discrete areas to define the areas more accurately. Phase 3 will consist of actual construction rehabilitation of the gravity sewer areas that shows the worst I&I.

501 Palm Street Sanitary Main Relocation, West Palm Beach, FL — Project engineer for the design, permitting, bidding, and construction phase services to relocate the manhole and sanitary main that was under an existing building at 501 Palm Street. The rerouting of this section included constructing new manholes, new 8-in and 12-in sanitary main, removal of existing sanitary infrastructure and reconnecting existing sanitary services. The project also included installing the sanitary pipe and casing across the FEC Railway via jack and bore with a receiving pit within Woodlawn Cemetery. Special requirements were included in the construction documents describing the protocol for working in the cemetery and detailing how the contractor should handle the discovery of any remains. During construction, we worked closely with the City and contractor to find a solution for rerouting a section of the sanitary main when remains were discovered.

North Miami Beach Engineering Services Related to Project/Program Management and Engineering Services, North Miami Beach, FL — Project engineer. Kimley-Horn provided project/program management and engineering services, including monitoring schedules and budgets, for the projects under this contract. Projects include: Lime Feed Assessment Study; Clarifier Optimization Study; Miami-Dade Interconnect Study; Water Treatment Plant TVSS Analysis; Master Pump Station #4 Force Main Design; and Bell Gardens Force Main Design.

Town of Jupiter 30-inch Transmission Main Across Central Boulevard - Central Boulevard Water Main Crossing, Jupiter, FL — Project engineer. This project involved the design and construction of a new 30-inch water transmission main across Central Boulevard between Jupiter Gardens Boulevard and Jupiter Park Drive to connect the 24-inch water transmission mains on the east and west sides of Central Boulevard. Previously, the two 24-inch water transmission mains were connected with a 22-inch HDPE water transmission main which limited the pumping capacity of the North and South Central Boulevard High-Service Pump Stations. The addition of the 30-inch water transmission main will relieve the restriction and allow for more efficient operation at the two high-service pump stations. Kimley-Horn has completed a review of the existing utilities in the project area, development features on each side of Central Boulevard, and available information on subsurface utilities along the section of Central Boulevard between Jupiter Park Drive and Jupiter Gardens Boulevard. Permits received for the project include the Palm Beach County Health Department permit and the Palm Beach County Utility right-of-way permit. Kimley-Horn has completed the design and permitting phase of the project.

Barton Fye, P.E., ENV SP

Water Distribution/Transmission & Wastewater Collection/Transmission Design; Site/Civil Engineering; Permitting

Relevant Experience

Hollywood General Engineering Consultant Services: Water, Sewer, Reuse, and Stormwater Infrastructure Projects, Hollywood, FL— Project engineer.

Under the City of Hollywood's general engineering consultant contract, Kimley-Horn is providing services for water, sewer, reuse, and stormwater infrastructure projects. These services include projects for the 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 would include, but not be limited to: design, permitting, construction management and administration, and field services.

Lift Station 100A Upgrade, Medley, FL — Project manager for the design of a new lift station, which will replace an aging privately-constructed station which was donated to the Town. The station and associated controls are designed to integrate into the Town's Supervisory Control and Data Acquisition (SCADA) system. Services provided in support of the project include design, bid assistance, and construction phase assistance.

Geographic Information Systems (GIS) Sewer Collection and Transmission System Atlas, Medley, FL — Project manager for the development of a GIS sewer atlas for the Town. Miami-Dade County Water and Sewer Department entered into a consent decree with the Environmental Protection Agency. As part of this consent decree, all large volume customers of the department, of which the Town is one, must provide the department with a GIS atlas of their sewer facilities which can interface with the department's existing GIS atlas. Within only 60 days from start to finish, Kimley-Horn gathered data on the existing facilities within the Town's 4,500-acre service area and created a GIS atlas following the requirements set forth by MDWASD.

North Miami Beach Engineering Services Related to Project/Program Management and Engineering Services, North Miami Beach, FL— Project engineer. Kimley-Horn provided project management and engineering services, including monitoring schedules and budgets, for the projects under this contract. Projects include: Lime Feed Assessment Study; Clarifier Optimization Study; Miami-Dade Interconnect Study; Water Treatment Plant TVSS Analysis; Master Pump Station #4 Force Main Design; and Bell Gardens Force Main Design.

Town of Medley Stormwater Master Plan, Medley, FL — Project manager. Kimley-Horn was retained to prepare a Stormwater Master plan for the Town, which faces a number of challenges, including a high water table relative to the existing grade (which are generally very flat; numerous pockets of contamination throughout the Town caused by industrial tenants); Florida East Coast Railway, which bisects the Town and thus often makes conveyance of stormwater to the nearby C-6 Canal (the Miami River) cost prohibitive; and the lingering threat of sea level rise and climate change. As part of the Stormwater Master Plan, Kimley-Horn is helping to prioritize 12 problem areas for the Town; plan and model projects to improve the conditions; provide pollutant loading reduction information for use in grant applications; and considering the Southeast Florida Unified Sea Level



Special Qualifications

- » Project manager with 14 years of experience in civil and environmental engineering design
- » Proficient in Autodesk Civil 3D®, Inter-Connected Pond Routing (ICPR®) model, and Hydrologic Evaluation of Landfill Performance (HELP) model
- » His expertise is in the design of stormwater management systems and his experience also includes paving, water, sewer, earthwork, and landfill design and evaluation
- » 2012 Young Engineer of the Year Miami-Dade Branch American Society of Civil Engineers

Professional Credentials

- » Bachelor of Science, Civil Engineering, University of Miami
- » Master of Civil Engineering, Water Resources, Norwich University
- » Professional Engineer in Florida, #73898
- » American Society of Civil Engineers (ASCE)
- » American Society of Civil Engineers (Miami-Dade Branch); 2009-Present
- » Environmental and Water Resources Institute (EWRI), 2012-Present

Barton Fye, P.E., ENV SP

Relevant Experience Continued

Rise Study findings, a requirement to ensure the projects provide long-term flood protection and to ensure eligibility for financial assistance from the County in the future.

North District Wastewater Treatment Plant (NDWWTP) Stormwater Basis of Design Report (BODR), Miami-Dade County, FL — Project engineer for the preparation of a BODR that will guide the design of the stormwater management system upgrades at the NDWWTP. The NDWWTP, owned by the Miami-Dade County Water and Sewer Department, sits on an 84 acre site, of which over 50 acres have been developed for treatment facilities. The existing stormwater management system is disjointed and does not sufficiently protect the facilities from stormwater and flood. The BODR studies the impacts of these deficiencies and recommends solutions that are cost-effective and provide real value over the life of the project. In addition, the long life of the intended system, critical nature of the facilities it impacts, and the highly-developed nature of the site the study must also account for the expected effects of sea level rise on the ultimate solution. Another consideration is that the system must incorporate with those improvements intended to protect the facility against the impacts of tidal flooding, which can often be at odds with stormwater management practices.

Townwide Water and Sewer Master Plan, Medley, Florida — Project manager for the development of a water and sewer master plan for the Town of Medley in Miami-Dade County, Florida. As part of the development of the master plan a full water and sewer atlas for the Town's existing facilities was updated in Geographic Information Systems (GIS) format to include meter/customer locations to accurately model peak demand in the system. The models for water and sewer integrate current water and sewer demand, the impacts of inflow and infiltration, and the anticipated future demands based upon the Town's comprehensive plan. Utilizing future demand projections Capital Improvement Projects for the Town's water and sewer utility were identified and prioritized to develop a CIP plan for the Town's use

Lakeview District Water and Sewer Master Plan, Medley, FL — Project manager. Prepared a water and sewer master plan for the Lakeview Utility District, a special assessment district created to expand water and sewer distribution and collection facilities to a 600+ acre portion of the Town of Medley which is currently undeveloped. Performed modeling of the existing water distribution system using WaterGEMS software to identify potential fire flow deficiencies within the existing distribution system and propose improvements to the system to address these deficiencies.

Master Planning for Key Biscayne Village-Wide Undergrounding of Utilities Program, Key Biscayne, FL — Project engineer. The design and construction of the undergrounding program is anticipated to take multiple years to complete. The underground program will be broken into multiple phases that can be constructed on an annual basis. In order to balance potentially competing priorities such as cost, project duration, traffic impacts for this large-scale project, development of a Master Plan was recommended in order to evaluate these priorities ahead of any detailed design of any single undergrounding phase.

NW 109th Street Pavement and Drainage, Medley, FL — Project engineer for the installation of roadway and drainage along the NW 109th Street corridor in Medley, FL. The project consisted of improvements to the existing roadway that was deteriorating due to inadequate drainage and heavy truck traffic due to utilization by numerous industrial tenants.

NW 121st Way Water Distribution Loop, Medley, FL — Project engineer for the design, bid, and construction phase services for a 16-inch ductile iron pipe water main serving a developed portion of the Town of Medley. The water main is designed to loop two existing dead-end water mains in the industrial area, provide system redundancy, and increase system capacity. The Town of Medley sought to increase system redundancy and ensure adequate flows for customers in the project area. Preparation of the design documents and assistance during bidding through the construction of the project was provided.

Miami DDA Utility Undergrounding Feasibility Assessment, Miami, FL — Project manager. Kimley-Horn was selected to be the engineer for the Miami DDA's Utility Undergrounding Feasibility Assessment. The Assessment investigates the extent of existing overhead facilities within the Miami DDA's boundaries and each of its Districts, the type of existing facilities, and provides information on the cost, schedule, funding mechanisms, and next steps for use in evaluating future projects or policies. The purpose of the feasibility analysis is to provide information that will help policy-makers determine whether such a conversion would be feasible given current anticipated costs and construction impacts. A detailed opinion of probable costs for each District and the entire DDA was developed based upon extensive field data collection and conversion of existing utility information into a query-able GIS dataset which was utilized to evaluate the total length and quantity of each utility, roadway impacts, and other critical information as well as develop maps which were included in the report that allow for visualization of the extent of existing facilities.

Stefano Viola, P.E.

*Water Distribution/Transmission & Wastewater Collection/Transmission
Design; Permitting*

Relevant Experience

City of Hollywood Continuing Services Contract for Utilities and Infrastructure, Hollywood, FL

— Project engineer. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S.1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

Lift Station 13 Rehabilitation, West Palm Beach, FL — Project engineer. Kimley-Horn was retained by the City of West Palm Beach for the addition of a new electrical room and associated improvements at this lift station in West Palm Beach. Our team designed a new electrical room and placed the new electrical components of the building at an increased elevation to avoid future flooding problems. An evaluation of the existing pumps was also performed to determine if the station can be converted from a triplex to a duplex station once the City begins to bypass flow from Lift Station 5. Kimley-Horn's services included the design of the bypass piping, new landscaping, a new bridge crane, and an overhead door to aid in operations and maintenance, as well as the design of submersible actuators in the dry pit.

North Bay Village Main Wastewater Pump Station Rehabilitation, North Bay Village, FL — Project engineer for development of design, permitting, and construction phase services for the rehabilitation of the City's main wastewater pump station. Also provided utility coordination. The project included analyzing the existing pumping and control equipment to evaluate present operating parameters and to develop a rehabilitation approach to increase system efficiency, reduce system maintenance, and provide a reliable, redundant pump station to better serve the City. Existing shaft driven wastewater pumps were converted to submersible pumps for use in a dry pit area and the complete control system was upgraded including a new Citywide SCADA system. The design approach required construction coordination and planning to keep the existing station in service during the rehabilitation and service upgrade process.

North Bay Village Force Main Rehabilitation Design Criteria Package, North Bay Village, FL — Project engineer. Based on an approved force main route evaluation report, Kimley-Horn developed a Design Criteria Package (DCP) for the City's force main rehabilitation program. The DCP was used to select a design-build team for construction of the City's new force main system. The DCP included schematic design drawings for the remaining open-cut force main route, hydraulic modeling of the main wastewater pump station and force main system, design plans for environmental permitting, design criteria for construct of the project, documents to address land ownership issues, design-build contracts or "front end" documents, and associated opinions of probable construction costs. The DCP also included field survey, environmental survey, geotechnical analysis, extensive utility data collection, stakeholder coordination, and governmental coordination, including a wastewater agreement with the Miami-Dade Water



Special Qualifications

- » More than 13 years of engineering experience, including roadway restoration/resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review
- » Prior to joining Kimley-Horn, served as Sergeant in the United States Marine Corps for five years
- » Experience with AutoCAD, WaterCAD, StormCAD, and Cascade

Professional Credentials

- » Bachelor of Science, Civil Engineering, Florida International University
- » Professional Engineer in Florida, #74655
- » American Society of Civil Engineers (ASCE)
- » Florida Engineering Society

Stefano Viola, P.E.

Relevant Experience Continued

and Sewer Department. The DCP was submitted to the State of Florida and approved for both American Recovery and Reinvestment Act funding and State Revolving Loan dollars.

Town of Medley Stormwater Master Plan, Medley, FL — Project engineer. Kimley-Horn was retained to prepare a Stormwater Master plan for the Town, which faces a number of challenges, including a high water table relative to the existing grade (which are generally very flat; numerous pockets of contamination throughout the Town caused by industrial tenants); Florida East Coast Railway, which bisects the Town and thus often makes conveyance of stormwater to the nearby C-6 Canal (the Miami River) cost prohibitive; and the lingering threat of sea level rise and climate change. As part of the Stormwater Master Plan, Kimley-Horn is helping to prioritize 12 problem areas for the Town; plan and model projects to improve the conditions; provide pollutant loading reduction information for use in grant applications; and considering the Southeast Florida Unified Sea Level Rise Study findings, a requirement to ensure the projects provide long-term flood protection and to ensure eligibility for financial assistance from Miami-Dade County in the future.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Project engineer for permitting elements. Also provided utility coordination. Kimley-Horn provided professional engineering services for the design and construction of the Lloyd Estates Residential and Industrial Area Drainage Project. The project involves phased drainage and water distribution system improvements consisting of the construction of a stormwater collection system with water quality treatment measures and possible upgraded outfalls, as well as replacement of select existing water mains within the project area. The professional services include surveying, stormwater analysis, civil and electrical engineering design, landscaping and irrigation, permitting, coordinating with utility providers for adjustments and or relocations, preparing quantity calculations, and engineer's estimates of probable costs.

Miami Lakeway North Resurfacing and Drainage Improvements, Miami Lakes, FL — Project engineer and provided drainage design and utility coordination. Kimley-Horn helped the Town obtain more than \$600,000 in stimulus funding to construct this roadway and drainage improvement project that includes a portion of Miami Lakeway North between Celebration Point and Miami Lakes Drive and NW 153rd Street from Miami Lakeway North to NW 60th Avenue. The project included drainage system improvements such as new stormwater inlets, a new outfall connection, exfiltration trench for water quantity and quality treatment, new sidewalk, and new pavement markings and signage. Kimley-Horn also provided construction phase services to expedite the project and to confirm that the project was built in compliance with the design criteria.

North Bay Village 16-inch Force Main Route Evaluation Report, North Bay Village, FL — Project engineer for development of a force main route evaluation report for the City's force main system. Also provided utility coordination. The City's existing sub-aqueous 12-inch force main system was old and deteriorating and required replacement. The evaluation process included coordination with stakeholders and permitting agencies that had jurisdiction and/or influence over the project to identify requirements, concerns, and obtain feedback pertaining to issues that affect the permitting, design, construction, schedule, and cost of the proposed project. The final force main route evaluation report addressed stakeholders' issues, permit feasibility, project timeframes, preliminary opinions of probable cost, and a recommendation to proceed with the preferred route. The report also included proposed connection points, overall pipe lengths, construction methods, pipe material, and known or potential issues and constraints for each route including environmental issues.

North Bay Village Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL — Project engineer. Kimley-Horn provides general engineering services for the City of North Bay Village on an ongoing basis. Services have included water and wastewater studies, planning, design, permitting, and construction phase services.

North Bay Village Water and Sewer Asset Inventory, North Bay Village, FL — Project analyst involved with developing an asset inventory for water, sewer, and stormwater utilities throughout the City. Kimley-Horn worked with Avirom and Associates, Inc. to collect field data and survey data to develop a GIS database and associated mapping for use by the City. The inventory is an effective planning tool to evaluate the current utility infrastructure, develop rehabilitation and improvement projects, budget and schedule utility projects, and coordinate with private utility companies such as Florida Power & Light for their improvements.

Gary Ratay, P.E.

Wastewater Pump Station Design

Relevant Experience

Boggs Field Wastewater Pumping Station, Hollywood, FL — Project engineer for the design of a submersible wastewater pumping station, gravity sewer, and forcemain for a municipal park complex. The project included design and permitting services to connect an existing park facility and a new park complex to the existing forcemain. The station design included a new fiberglass wetwell, submersible pumping equipment, controls, electrical, associated piping, site restoration, and all other appurtenances necessary for complete submersible pumping station.

Stanley Goldman Field Wastewater Pumping Station, Hollywood, FL — Project engineer for the design of a submersible wastewater pumping station, gravity sewer, and forcemain for a municipal park complex. The project included design and permitting services to connect a new park complex to the existing forcemain. The station design included a new fiberglass wetwell, submersible pumping equipment, controls, electrical, associated piping, site restoration, and all other appurtenances necessary for complete submersible pumping station.

90th Avenue In-line Pump Station, Indian River County, FL — Project manager. Kimley-Horn provided survey and design construction services for the new Northwest Regional 3-MGD sewer in-line pump station. Original scope included the design of a conventional pump station, but client amended scope to provide for the construction of an in-line pump station with building in lieu of a conventional pump station in order to eliminate odors and reduce maintenance typically associated with conventional pump stations. Design included pumps, piping, generator, electrical, and controls. Approximate size of CBS structure is 500 square feet with architectural treatments and includes an access road.

Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL — Project engineer for the design of an in-line pump station from an existing master pump station to divert wastewater capacity from their South Regional Wastewater Treatment Facility to their West Regional Wastewater Treatment Facility. This approach not only addressed their master planning efforts, but eliminated odor issues at the existing facility, allowed planned rehabilitation at the existing pump station, and provided much more flexibility in diverting wastewater to either of their facilities. 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.

North Bay Village Main Wastewater Pump Station Rehabilitation, North Bay Village, FL — Project manager for development of design, permitting, and construction phase services for the rehabilitation of the City's main wastewater pump station. The project included analyzing the existing pumping and control equipment to evaluate present operating parameters and to develop a rehabilitation approach to increase system efficiency, reduce system maintenance, and provide a reliable, redundant pump station to better serve the City. Existing shaft driven wastewater pumps were converted to submersible pumps for use in a dry pit area and the complete control system was upgraded including a new Citywide SCADA system. The design approach required construction coordination and planning to keep the existing station in service during the rehabilitation and service upgrade process. Also assisted the City with collecting the ARRA funding and \$1 million through a State Revolving Fund (SRF) Loan for the balance of the \$4.5-million improvement.



Special Qualifications

- » Has 33 years of civil engineering experience, with particular expertise in general municipal engineering, stormwater management, project permitting, and construction phase services
- » Principal areas of practice include water distribution, wastewater collection, force main and associated pump station design, water treatment plant design, well pump design and site piping, and feasibility and engineering reports
- » Has State Revolving Fund (SRF) loan experience

Professional Credentials

- » Bachelor of Science, Mechanical Engineering, University of Florida
- » Professional Engineer in Florida, #46682
- » Florida Engineering Society
- » National Society of Professional Engineers (NSPE)

Gary Ratay, P.E.

Relevant Experience Continued

Toll Plaza, SR 91 (Florida's Turnpike) Water and Sewer Extension/Replacement, City of Hollywood, FL — Project engineer for the design, permitting, preparation of drawings, technical specifications, schedule of relocations, and bid services for the extension of a water main pipe, installation of one fire hydrant, installation of a force main to serve the relocated toll plaza on the Turnpike ramp for Hollywood Boulevard, and installation of conduits to underground overhead electric and phone services.

Town of Jupiter Emergency Flood Outfall, Jupiter, FL — Project engineer on the Kimley-Horn team that designed an emergency stormwater pump station to eliminate the risk of water treatment plant failure and loss of water production due to flooding under severe storm conditions. The complete loss of potable water to the surrounding areas would result in significant impacts for the health, safety, and welfare of the serviced residents. The project involved the design of new culverts and pump station facilities. Kimley-Horn also coordinated the work of civil, structural, mechanical, electrical, and architectural disciplines. The stormwater pump station uses the existing water treatment plant reverse osmosis concentrate outfall as a secure, dedicated discharge pipe. The controls system includes a variable frequency drive and level control so that the stormwater pump speed and outfall levels are balanced. This pump station includes an emergency generator to maintain station operation at all times and provisions to reduce noise from the diesel engine.

North East Force Main Installation and Lift Station Rehabilitation, Pompano Beach, FL — Served as project engineer to provide construction documents for the installation of new force main piping in an area located north of Atlantic Boulevard, south of NE 24th Street, east of Federal Highway, and west of the Intracoastal Waterway. The design approach was to connect lift stations that presently cascade through the gravity sewer system directly into the existing force main system and thereby eliminate repumping. Station pressures and flows were evaluated so the pump station modifications could be determined. The project provided the City of Pompano Beach with a more efficient and cost effective wastewater pumping system in the area.

Stand-by Diesel Engine Drive for High Service Pump #6, Pompano Beach, FL — Project engineer for the design of an auxiliary diesel engine drive on an existing high service pump. The auxiliary diesel engine project provides an additional and independent level of automatic redundancy to the existing stand-by power system. The project design includes installation of the auxiliary diesel engine with fuel and exhaust systems, existing high service pump modifications, and modifications to the existing instrumentation and control system for automatic operation. System integration required special consideration based on existing space constraints. The project design provides a reliable, redundant, efficient stand-by power source to maintain water supply to the surrounding community during a power outage.

Lift Station Rehabilitation Program, Briny Breezes, FL — Project engineer for design and construction phase services to rehabilitate four existing wastewater pump stations located throughout the Town of Briny Breezes. The project included converting existing vacuum primed systems to submersible pump stations including rehabilitation of the existing wetwells, submersible pumping equipment, controls, electrical, associated piping, site restoration, and all other appurtenances necessary for complete submersible pumping station. The project provided the Town with an efficient, cost effective wastewater pumping system.

Master Wastewater Pump Station Rehabilitation, Bay Harbor Islands, FL — Project manager and engineer to prepare construction documents and associated permitting for the rehabilitation of a triplex master wastewater pump station. The project included upgrading three non-clog wastewater pumps, replacement of the control system, and improvements to the station site.

Community Enhancement Program, Phase II (East Island), Bay Harbor Islands, FL — With Phase I designed and under construction on the West Island in 2002, project manager Gary Ratay began working with the Town on Phase II of the Community Enhancement Program, which involved making improvement on the East Island based on community input and refinement of the Town's vision. Because the East Island is more residential than the West Island, Phase II started with a planning phase to address roadway width, sidewalk addition, on-street parking, drainage, pedestrian lighting options, and landscaping. Kimley-Horn worked with Town staff to develop several options to enhance the community with a "new look," maximize parking, promote pedestrian travel, and minimize drainage requirements. Revised roadway cross-sections have been developed and preliminary plans have been completed. The Town investigated right-of-way issues throughout the project and developed a funding program. The Phase II preliminary construction documents addressed the "lessons learned" during Phase I and will therefore streamline the project's completion.

Kevin Schanen, P.E.

Wastewater Pump Station Design

Relevant Experience

Lift Station 13 Rehabilitation, West Palm Beach, FL — Project manager for the design of a new electrical room and associated improvements. LS 13 previously experienced a significant failure which prompted the City to re-evaluate the layout of the existing electrical room in this master pump station which serves a large portion of the downtown area. Kimley-Horn designed a new electrical room that will replace all electrical components of the building and place them at an increased elevation to avoid future flooding problems. The design also included a bypass forcemain, permanent standby bypass pump, a new bridge crane, overhead door to aid in operations and maintenance, as well as submersible actuators in the dry pit to automatically isolate the forcemain in the event of a failure.

Lift Station 23 Rehabilitation, West Palm Beach, FL — Project manager for the design of the rehabilitation improvements to this wastewater pumping station located in Currie Park. This project includes replacement of three existing 2,000 gpm pumps with VFD driven electric submersible pumps in a dry pit installation, wetwell rehabilitation, expansion of the existing electrical building, upgrading the existing FPL service from 240V to 480V service, installation of an electric pump hoist, new ventilation system, and other associated improvements.

Town of Palm Beach D-15 Stormwater Pump Station, Palm Beach, FL — Served as project manager for the rehabilitation of this stormwater pump station's cooling water system. Designed the improvements necessary to rehabilitate and convert two existing cooling water wells from a suction to a pressurized system and designed heat exchanger replacements to support the cooling needs of eight diesel engine-driven hydraulic stormwater pumps and one electric generator. The result of this project reduced station cooling system alarm rates by 85% which significantly reduced operation costs.

Town of Palm Beach D-4 and D-10 Stormwater Pump Station (SWPS) Construction, Palm Beach, FL — Project engineer. The Town of Palm Beach selected Kimley-Horn to design improvements to both the D-4 and D-10 Stormwater Pump Stations (SWPS). Kimley-Horn performed design, permitting, and construction phase services for the two projects. The Town of Palm Beach utilized the construction management at risk project delivery method where both stations were constructed simultaneously.

Lift Station 89 Inline Sewer Pump Station, Indian River County, FL — Project engineer. The firm was responsible for conceptual planning, capacity analysis, design, construction and permitting of a 4.2-MGD inline wastewater booster pumping station for Indian River County Utilities.

Palm Beach A-7 Inline Booster Pump Station (20-inch and 24-inch force mains), Palm Beach, FL — Project manager for design of this sanitary sewer inline booster station. The design included influent and effluent force main modifications, construction of three new VFD driven centrifugal wastewater pumps within the dry pit of an existing master lift station, wetwell rehabilitation, installation of a new emergency generator, control system and SCADA programming, and various other station mechanical and electrical improvements. The replacement of an existing piston style compressor system with a new rotary screw compressor system was also designed to provide pressurized air to a network of satellite ejector and Expelsor-style lift.



Special Qualifications

- » 22 years of diverse engineering and project management experience
- » Experienced Project Manager with a wide variety of municipal projects, including water, wastewater, and stormwater utilities, structures, restoration and rehabilitation, community parks, streetscapes, and infrastructure improvements
- » Software experience includes Ad-ICPR, WaterGEMS, STAAD, AutoCAD Civil3D, ASAD, and MathCAD
- » Past recipient of the Engineer of the Year award from the Florida Engineering Society, Palm Beach County Chapter
- » Graduate of the Florida Engineering Leadership Institute (FELI)
- » Board Member – University of Florida Engineering School of Sustainable Infrastructure and the Environment External Advisory Board

Professional Credentials

- » Bachelor of Science, Civil Engineering, University of Florida
- » Professional Engineer in Florida, #60251
- » American Public Works Association (APWA)
- » Florida Engineering Society
- » Palm Beach County League of Cities (Associate Member)

Kevin Schanen, P.E.

Relevant Experience Continued

Town of Palm Beach, D-9 Stormwater Pump Station and Collection System 60-inch Piping, Palm Beach, FL

— The design included selection of two electric submersible pumps to replace the existing hydraulic pumps, design of concrete wetwell and RCP outfall pipe rehabilitation, design of a new mechanical building to house electrical and mechanical support equipment, conversion of an existing FPL transformer vault to a new electrical room, design and selection of two new emergency generators, design of new ventilation and sound attenuation systems, SCADA system design, and design of other associated improvements. A unique aspect of this project was that the existing station was kept on line during the construction of the improvements by installing a temporary MCC building to house the electrical and control equipment while the existing mechanical/electrical room was torn down and rebuilt in the same footprint. Designed the rehabilitation improvements for the 60" RCP outfall pipe by specifying a spray on epoxy liner that could be applied to wet concrete. This innovative approach was a first of its kind application of this epoxy product and has performed well over several years of service. Provided construction phases services consisting of site review, progress meeting participation, and field engineering.

A-5/A-6 Lift Station Improvements, Town of Palm Beach, FL — Principal-in-charge for the design of rehabilitation improvements to these master lift stations in Palm Beach. The design included replacement of pumps and piping, improvement to the electrical and ventilation systems as well as hurricane hardening improvements to the building structures. Diagnostic testing of the emergency backup generator was also performed and improvements were recommended for generator servicing to improve the generator's reliability.

Palm Beach S-2 Master Sanitary Inline Booster Station, Palm Beach, FL — Project manager to provide design services for this 8-MGD sanitary sewer inline booster station which allowed for the abandonment of a problematic lift station in the City of West Palm Beach. The design included influent and effluent forcemain modifications, construction of five new VFD driven centrifugal wastewater pumps within a converted wetwell of an existing master lift station, installation of a new emergency generator, control system and SCADA programming, and various other lift station structural, mechanical, and electrical improvements.

PGA National South Pump Station Design (aka Stormwater Pump Station Replacement), Palm Beach Gardens, FL — Project manager for the design of this stormwater pumping station in the PGA National Development in Palm Beach Gardens, Florida. Designed the replacement of an existing 35,000 gpm hydraulic pump with two redundant electric submersible pumps, new wetwell with intake and outfall piping, designed a new mechanical building with a three-bay garage for storage, selection of an emergency generator, SCADA system design coordination, and design of other associated improvements. Secured approvals from seven different entities that included the City of Palm Beach Gardens, PGA Property Owners Association, South Florida Water Management District, U.S. Army Corps of Engineers, Seacoast Utility Authority, Palm Beach County Health Department, and Palm Beach County Environmental Resource Management Fuel Tank Section. Specified the demolition of the existing pump station and the reconstruction of a large berm along with littoral area restoration. Provided construction phases services consisting of site review, progress meeting participation, and field engineering.

Town of Palm Beach Sanitary Pumping Stations, Palm Beach, FL — Project manager providing design services for this 5-MGD sanitary sewer inline booster station which will allow the Town to demolish an existing pump station and enter directly into the West Palm Beach force main system near 23rd Street and Tamarind Avenue. The design included influent and effluent force main modifications, construction of a new electrical building, installation of a 350-kW emergency generator, and the installation of five VFD-driven centrifugal wastewater pumps. The pumps were designed to be installed in an exterior aboveground dry condition so that costs could be saved by constructing a smaller building.

Dixie Park Wastewater Treatment Plant (WWTP) Inline Sewer Pump Station, Martin County, FL — Project engineer for the design and permitting of an in-line sanitary pump station at an existing wastewater treatment facility owned by Martin County Utilities. The new station will allow the County to abandon the wastewater treatment facility. The proposed booster station will handle approximately 1.5 MGD and boost pressures to pump the County's wastewater west to the Tropical Farms Wastewater Treatment Facility. The design included three 800 GPM, 75 hp variable frequency driven pumps, an electrical room addition, a 12-inch influent forcemain and 12-inch effluent forcemain to send wastewater west to Tropical Farms.

Chris Niforatos, P.E.

Stormwater/Resiliency (Resiliency)

Relevant Experience

Business Case Analysis for the City of Miami Beach Stormwater Resiliency Program Pilot Project, Miami Beach, FL — Working as a subconsultant to assist in the development of a pilot study to re-evaluate the effects of sea level rise and storm intensification and its impacts on the economy. Reviewed numerical modeling parameters and assessed planning horizons for coastal flooding impacts based on study area.

City of Sebastian, Coastal Resiliency Plan and Comprehensive Plan Updates, Sebastian, FL — Helped client secure funding through FDEP's Resilient Coastlines Program. Leading coastal flooding analysis to assess impacts of sea level rise, rainfall and surge on City's critical infrastructure, which includes roads, emergency shelters, and city buildings.

Vulnerability Assessment, City of Venice, FL — Project Manager. Led the development of a vulnerability assessment of the City's infrastructure with respect to coastal flooding and wind. The infrastructure included five critical lift-stations, reverse osmosis water treatment plant, water reclamation facility and several administrative buildings. Evaluated future sea level projections, rainfall, surge and wind data and their impacts on designated infrastructure. Developed a paired-asset threat matrix to assess criticality of the assets and identified adaptation strategies to harden the assets as well as to increase adaptive capacity. The recommended adaptation strategies consisted of the raising of electric controls, extending internal barrier walls, installation of a tide control valve and flood walls at access entries. A planning level schedule and implementation timeline was prepared.

St. Pete Beach, Coastal Resiliency Plan: Funding and Flooding Vulnerability Assessment, St. Pete Beach, FL — Project engineer. Kimley-Horn is providing general engineering services to identify funding sources available for the City's evolving resiliency program. The goal of this program is to evaluate available national, state and local resources available and identify grant funding sources, including application requirements and deadlines. In addition, areas within the City limits that are vulnerable to flooding due to storm events and sea level rise will be identified.

Longboat Key Village Stormwater Master Plan Peer Review, Longboat Key, FL — Project manager. Kimley-Horn conducted a peer review of a master plan that identified adaptation measures to address coastal flooding and provided a summary of modeling parameterization issues that needed to be resolved based on assessing future sea level rise and adaptation refinements for the proposed alternatives.

Town of Medley Stormwater Master Plan, Medley, FL — Project engineer assisting with the preparation of a Stormwater Master plan for the Town, which faces a number of challenges, including a high water table relative to the existing grade (which are generally very flat; numerous pockets of contamination throughout the Town caused by industrial tenants); Florida East Coast Railway, which bisects the Town and thus often makes conveyance of stormwater to the nearby C-6 Canal (the Miami River) cost prohibitive; and the lingering threat of sea level rise and climate change. As part of the Stormwater Master Plan, Kimley-Horn is helping to prioritize 12 problem areas for the Town; plan and model projects to improve the conditions; provide pollutant loading reduction information for use in



Special Qualifications

- » 26 years of experience specializing in developing opportunities and delivering services in stormwater, watershed, and flood risk management; climate change adaptation; and asset management
- » Water engineer with experience providing water, wastewater, stormwater, construction management, and geospatial and niche-related services
- » Successful record of leading communities through the resiliency planning process and designing a resiliency plan that is deliberate, customizable to the values of the community, and implementable
- » Recognized as a statewide leader for stormwater/watershed services

Professional Credentials

- » Master of Business Administration, Business Administration, University of South Florida
- » Master of Engineering, Environmental Engineering, University of South Florida
- » Bachelor of Science, Civil Engineering, Clarkson University
- » Professional Engineer in Florida, #56881
- » Certified FDEP Sediment and Erosion Control Inspector #20856
- » American Public Works Association (APWA)
- » American Society of Civil Engineers (ASCE)
- » American Water Resources Association
- » Florida Engineering Society

Chris Niforatos, P.E.

Relevant Experience Continued

grant applications; and considering the Southeast Florida Unified Sea Level Rise Study findings, a requirement to ensure the projects provide long-term flood protection and to ensure eligibility for financial assistance from Miami-Dade County in the future.

Pinellas County Lealman Regional Stormwater Facility Professional Engineering Services, FL — Project Manager. Kimley-Horn has been providing professional services for the development of a regional stormwater facility that will seek to incentivize redevelopment within the Lealman Community Redevelopment Area (CRA). The CRA has become a major focal point of Pinellas County for redevelopment revitalization to improve the overall quality of life in this area. Over 20,000 residents reside within the CRA's 4 square miles making it one of the County's most highly urbanized areas. Kimley-Horn was tasked for the development of screening criteria to facilitate the siting of the facilities, determine pollutant loads, refine the watershed model to simulate and test flood management strategies, and establish a credit system. Public involvement is also part of the scope and Kimley-Horn liaised with the County to establish a steering committee to vet project delivery and aid in stakeholder engagement.

City of Tallahassee Community Resilience Plan, Tallahassee, FL — Technical lead. Assisting team in development of a community resilience plan. The plan will explore threats to the community, establish a community baseline, assess vulnerabilities and risks, build stakeholder capacity, and identify strategies to adapt and mitigate for acute shocks and chronic stresses.

Dunedin Watershed Management Plan, Dunedin, FL — Project manager. Kimley-Horn completed a peer review of the Dunedin Watershed Management Plan. The goal of the peer review was to evaluate the reasonableness of the datasets and model (ICPR4) that were used to project the floodplains. The peer review was broken down into three review phases which included basins, model parameters, and floodplains. Each phase resulted in the development of a peer review comment shapefile and Kimley-Horn staff led review meetings to discuss results with the watershed consultant and City staff. During the review process, Kimley-Horn coordinated with the watershed consultant and City for supporting background information, as well as to review initial findings prior to having the formal review meetings (web-based). The project was delivered on time and within budget.

Rapid Flood Inundation Assessment - Big Cypress and Immokalee Reservations, Seminole Tribe of Florida, FL — Project manager. Delivered a rapid flood inundation assessment for the Big Cypress and Immokalee Reservations. Facilitated a series of meetings with the Tribe to discuss the functionality of the technology and how it may be applied to assess impacts with sea-level rise and extreme weather events. The results were used to help identify areas of flood risk and prioritize field data collection for detailed analyses.

Business Case Evaluation of Coastal Flooding, Miami Beach, FL — Technical consultant. Assisted in the development of a pilot study to re-evaluate the effects of sea level rise and storm intensification and its impacts on the economy. Reviewed numerical modeling parameters and assessed planning horizons for coastal flooding impacts based on study area.

Ocean Outfall Legislation Program – Climate Change Resilience, Miami-Dade Water and Sewer Department, Miami-Dade County, FL — Co-task leader. Developed hardening plans for the Department's wastewater assets (treatment plants and critical pump stations) based on evaluating the impacts of sea-level rise and extreme weather events. Key main components included: an assessment of projected climate change for key climate variables — sea level rise, precipitation, and wind; modeling the extent of inundation due to sea-level rise, storm surge, and rainfall, for a range of scenarios based on the service life of wastewater facilities; evaluation of risk to those facilities from the different climate change scenarios, as well as the associated costs of protecting the facilities; a series of facilitation workshops were staged with County staff and stakeholders to discuss and vet results, and ultimately establish design criteria that specified flood control elevations and facility hardening options.

Derrick Lewis, P.E.

Stormwater/Resiliency (Modeling/Design)

Relevant Experience

Flood Mitigation and Reconstruction, Miami-Dade County, FL — Senior drainage engineer and task manager for stormwater management. This project included reconstruction of 1 miles of roadway improvements and widening to alleviate flooding conditions which exist in the Town of Medley, which included 1 mile of exfiltration design, which involved coordination and interaction with Miami Dade Regulatory and Economic Resources and the Florida Department of Transportation.

Business Case Analysis for the City of Miami Beach Stormwater Resiliency Program Pilot Project, Miami Beach, FL — Project manager. Kimley-Horn is leading an integrated flood modeling task as a subconsultant to another firm. The purpose of the task is to assess four design storm events that represent a combination of rainfall, sea level rise, storm surge, and tide stage scenarios under no-build, public investment, and private investment scenarios. The resulting flood depths for the 12 scenarios will be mapped out by Kimley-Horn and provided to the City. The outcome of the project will be concise communication materials to help City decision-makers articulate the business case for resilience investments backed by technical analyses, integrated flood modeling, and economic analyses.

Town of Medley Flood Mitigation Area South, Medley, FL — Senior drainage engineer and task manager for stormwater management. This project included reconstruction of 1 miles of roadway improvements and widening to alleviate flooding conditions which exist in the Town of Medley, which included 1 mile of exfiltration design, which involved coordination and interaction with Miami Dade Regulatory and Economic Resources and the Florida Department of Transportation.

Biscayne Blvd (SR 5) Reconstruction and Pump Station, Miami-Dade County, FDOT District Six — Lead drainage engineer responsible for drainage design, permitting, plan production hydraulic modeling and report writing of the drainage report of over two miles of SR 5 roadway widening and reconstruction improvements. Project included Pump station design 30 deep wells which involved coordination and interaction DERM, FDEP and SFWMD.

I-95 Master Plan for 17 Interchanges from Linton Boulevard to Northlake Boulevard, FDOT District Four — Provided drainage design services and co-risk assessments for this project that entailed the identification of 17 interchange improvement projects (from south of Linton Boulevard to north of Northlake Boulevard) that could move into the design phase in FY 2013/14 and FY 2014/2015. To accomplish this, Kimley-Horn developed a methodology that proposed a two-tier approach to identify and prioritize those interchanges that could advance quickly and have conceptual improvement plans completed by July 1, 2013; the remaining interchange studies were completed February 2015 and documented in an Interchange Master Plan (IMP).

SR 710/Beeline Highway Design (East and West), FDOT District Four — SR 710/ Beeline Highway Design (Project C), FDOT District Four — Project engineer responsible for assisting in drainage design. The project consists of the addition of two new lanes to provide a four-lane divided urban section along with the replacement of the existing two-lane bridge and construction of a new two-lane parallel bridge.



Special Qualifications

- » Has 22 years of experience in the design, analysis and preparation of construction plans, including roadway geometrics, stormwater management, permitting, stormwater pollution
- » Serves as project manager and engineer of record for a variety of stormwater and drainage related projects
- » Experience includes modeling and design of complex stormwater management systems, including exfiltration systems, injection wells, gravity wells, pump station, and pond systems.
- » Versed in ICPR, HEC-RAS, ASAD and Geopak Drainage, and various stormwater related software
- » Served on the Drainage Technical Advisory Committee during tenure with FDOT District Six

Professional Credentials

- » Master of Science, Transportation Engineering, Florida International University
- » Bachelor of Science, Civil Engineering, University of Central Florida
- » Professional Engineer in Florida, #62965
- » FDOT Drainage Technical Advisory Committee in District VI
- » Assistant NPDES Coordinator in FDOT District VI
- » American Society of Civil Engineers (ASCE)

Derrick Lewis, P.E.

Relevant Experience Continued

PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/ Miami-Dade Counties, FL — Drainage engineer of record responsible for instituting a comprehensive stormwater management strategy for the widening of the Turnpike from an eight-lane transportation facility for Kimley-Horn's services as a subconsultant to another firm. The report included making recommendations for stormwater alternatives due to the proposed improvements. The project has sites in Miami-Dade and Southern Broward counties. This includes extensive coordination and interaction with SFWMD, Miami-Dade County RER, and a host of federal and local agencies.

Biscayne Boulevard (SR 5) Reconstruction from NE 67 to NE 87, Miami-Dade County (FPID No. 405641-2-52-01), FDOT District Six — Drainage engineer responsible for drainage design, permitting, plan production hydraulic modeling and report writing of the drainage report of over 1.5 miles of SR 5 roadway widening and reconstruction improvements. Project included over 30 deep wells and French Drain design which involved coordination and interaction DERM, FDEP and SFWMD.

NW 87th Ave and NW 12th Street Improvements, FDOT District Six — Project engineer in charge of one mile roadway resurfacing and drainage design, utility coordination and preparation of construction plans, documents, and specifications for this project in Miami-Dade County. Project included resurfacing and French Drain design and hydraulic modeling.

Naples Central Avenue Improvements (includes water main improvements), Naples, FL — Drainage engineer of record. Kimley-Horn provided streetscape, intersection design, drainage design, lighting design, and multimodal improvements for Central Avenue between 8th Street and Riverside Circle. Roadway improvements included milling and resurfacing, drainage upgrades to reduce flooding, utility upgrades to increase water main size and add reclaimed water service, landscaping improvements, and signalization upgrades. Responsible for conceptual drainage layouts, swale design, pre- and post-design water treatment calculations, and field reviews to verify drainage conditions. Permit coordination was required with South Florida Water Management District (SFWMD) and Collier County.

Widening Florida's Turnpike from North of Glades Road to North of Atlantic Avenue, Florida's Turnpike Enterprise — Serving as drainage engineer of record for Kimley-Horn's design services to widening the Turnpike from six to eight lanes. The project specific tasks included encroachment into the Lake Worth Drainage District E-2W canal to facilitate the project widening needs. Other pertinent task include bank stabilization of the E-2W canal, replacing the Yamato Bridge over the Turnpike, widening the Turnpike bridge over Clint Moore Road, replacing the bridge over the L-38 Canal, noise barrier design, lighting design, signing and pavement markings, and utility coordination. One of the primary objectives of the transportation improvements is the avoidance and relocation of the Florida Gas Transmission Gas main located within specified border width. This will require deviation from FDOT standard operating design procedures.

Reconstruction of Krome Avenue from South of SW 296 Street to South of SW 232 Street, FDOT District Six — Drainage design engineer for the Kimley-Horn team. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in south and west Miami-Dade County, with a daily truck percentage of 15%.

SR 826/Palmetto Expressway from W of SR 823/NW 57th Ave to W of SR 817/NW 27th Ave, FDOT District Six — Drainage engineer of record. Also providing permitting. Kimley-Horn was selected by FDOT District Six to provide consulting engineering services for SR 826/Palmetto Expressway in Miami-Dade County: from East of SR 823/NW 57th Avenue to west of SR 817/NW 27th Avenue. The project scope includes roadway design, drainage design, ADA compliance, pavement design, local agency coordination, public involvement, maintenance of traffic, bridge expansion joint replacement, permitting, utilities coordination, and signing and pavement markings.

Alan Garri, P.E.

Stormwater/Resiliency (Pump Station Design)

Relevant Experience

17th Street Stormwater Pump Stations, Miami Beach, FL — Alan served as project manager and engineer of record for this project which involved the design and construction of this stormwater pump station to alleviate flooding along the Alton Road corridor and adjacent side streets. Alan provided design and permitting services for this design-build project to construct the 17th Street pump station, located near the intersection of West Ave and 17th Street. Design was started in September 2014 and completed in February 2015. Construction on the 17th Street Pump Station is complete. The pump station provides backflow prevention from high tides, regulated stormwater discharge, and provided pollution control. Applicable permits were obtained from the South Florida Water Management District and DERM for this project. The projects aspects included design of the wet wells, pumping systems, stormwater conveyance systems, pollution control structures, energy dissipation of the pumped stormwater, and utility adjustment. The design had to take into account the multiple existing utilities, the confined right-of-way, the neighborhood impacts, and the environmental impact. Significant coordination with adjacent property owners and utilities was required. The design for the 17th Street Pump Station also had to consider the future bridge over Collins Canal. In addition, because the 17th Street station discharged into Collins Canal, the energy dissipation of the pumped stormwater had to be carefully considered. The 17th Street station is currently operating as designed and has proven to mitigate the flooding that occurred prior to construction.

Old City Yard DRA Stormwater Pump Station, Ocala, FL — Project manager. The City of Ocala is in the process of designing and constructing a wetland recharge park. The objective of the wetland recharge park is to provide nutrient removal and treatment of reclaimed and stormwater flows generated within the City. The City has identified the regional drainage retention area (DRA) known as the Old City Yard DRA as a source of stormwater for the wetland recharge park. The objective of this project is to design and permit improvements to the Old City Yard DRA and add a stormwater lift station and conveyance system required to convey the stormwater flows from Old City Yard DRA through portions of Water Reclamation Facility 1 (WRF 1), and then to the wetland recharge park. Kimley-Horn is working with the City to evaluate the existing infrastructure that will potentially be utilized in this project, including the sand filter at WWTF 1, pump station located at WWTF 1 and adjacent reject ponds, and existing piping. Services include data collection, infrastructure evaluation, DRA modification, lift station design, and permitting.

Alton Road Pump Stations, FDOT District Six — Project manager and engineer of record. The project involved the relocation of three stormwater pump stations along Alton Road in the City of Miami Beach. The stations were located adjacent to Biscayne Bay on 10th Street, 14th Street, and adjacent to 5th Street. Services included verification and completion of stormwater modeling for the stormwater pump stations, pump station and stormwater conveyance system design, and FDOT plan revisions. The design had to incorporate systems to remove trash and provide water quality prior to discharge. Permitting and submittals were made to South Florida Water Management District and FDOT.



Special Qualifications

- » Senior project manager with 18 years of experience involving water, wastewater, drainage, and roadway design
- » Water resources expertise includes water quality, stormwater management, drainage design, septic to sewer, sewer design, and hydrology
- » Has provided project management, site plans, feasibility studies, contract management, environmental permitting, grading design, erosion control, and construction management
- » Experience with the design, construction, and troubleshooting of vacuum sewer systems
- » Has extensive experience with Water Management District and FDEP loan and grant funding programs

Professional Credentials

- » Bachelor of Science, Mechanical Engineering, University of Florida
- » Professional Engineer in Florida, #70674
- » Florida Engineering Society
- » Florida Institute of Consulting Engineers
- » National Society of Professional Engineers (NSPE)

Alan Garri, P.E.

Relevant Experience Continued

Pump Stations at 10th Street and 14th Street, Miami Beach, FL — Project manager and engineering of record. The project involved the design and construction of two stormwater pump stations to alleviate flooding along the Alton Road corridor and adjacent side streets. The pump stations provided backflow prevention from high tides, regulated stormwater discharge to Biscayne Bay, and provided pollution control. The project was a design-build for the City of Miami Beach to meet the tight timeline before the King tides that occurred in October 2014. The design was completed in less than 90 days and construction was complete prior to the October 2014 deadline. Services included design and plan revisions during construction to accommodate conflicts with existing utilities.

6th Street Pump Station, Miami Beach, FL — Project manager and engineer of record. Provided design and permitting services for the design-build project to construct the 6th Street Bayfront Stormwater Pump Station. The pump station is located on 6th Street near the intersection of West Ave and 5th Street. The design was started in September of 2014 and was completed in February of 2015. Construction on the 6th Street Pump Station was completed in April 2016. Applicable permits were obtained from the South Florida Water Management District and DERM for this project. The project aspects included design of the wet wells, pumping systems, stormwater conveyance systems, pollution control structures, energy dissipation of the pumped stormwater, and utility adjustment. The design had to take into account the multiple existing utilities, the confined right-of-way, the neighborhood impacts, and the environmental impact. Significant coordination with adjacent property owners and utilities was required. The design for the 6th Street Pump Station also had to consider the FDOT pump station which was going to be located within the same project area.

Peace River Manasota Regional Water Supply Authority (PRMWSA) On-Call General Engineering Services (includes Pump Station No. 10-P-4 Replacement, aka Reservoir Pump Station Rehab), Arcadia, FL — Project engineer on the Kimley-Horn team selected to perform an alternatives analysis on the replacement of pump 10-P-4. The alternatives analysis consisted of a hydraulic, electrical, and structural evaluation of the pump station. Once obtaining four alternatives for the PRMWSA, several options were reviewed and a plan to increase the pump station capacity to 6-MGD was implemented. This project is part of the General Professional Engineering Services contract.

Stormwater Quality Master Plan, Crystal River, FL — Project engineer. As a part of a continuing services contract with the City of Crystal River, Kimley-Horn is creating a stormwater master plan for the City's CRA. This master plan is focused on improving water quality in Kings Bay with regard to total nitrogen (TN) and total phosphorus (TP), streamlining the future development and redevelopment of waterfront community assets, meeting regulatory permit requirements, and maximizing developable area for economic benefit. Tasks include data collection and inventory, alternatives development, master plan development, and SWFWMD conceptual ERP.

Crystal River Wastewater Master Plan and Permit (includes Southern Sewer Septic to Sewer and Indian Waters Phase I Septic to Sewer project blurbs), Crystal River, FL — Project manager. The project involved reviewing the boundary of the City's utility service area and considering wastewater projects associated with the Basin Management Action Plan requirements to reduce nutrient loading into Kings Bay. The objective of the project was to evaluate Crystal River's wastewater conveyance system for capacity limitations and developing a prioritized CIP. The hydraulic model consisted of 70 pump stations and connecting force mains.

Stormwater Master Plan for Ocala International Airport, Ocala, FL — This project included 1,600 acres of airport property which was broken up into aviation and nonaviation uses. The stormwater master plan facilitated the buildout of all of these uses, including future expansion of the airport, future industrial uses, and future commercial uses. The master plan provided an attractive means of bringing in potential industrial businesses to Ocala Airport. Services included computer modeling, analysis, report preparation and public presentation for buildout conditions.

Armando Lopez, P.E.

Site/Civil Permitting; Construction Administration

Relevant Experience

City of Hollywood Continuing Services Contract for Utilities and Infrastructure, Hollywood, FL — Project analyst. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S.1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

Lakeview District Utility Crossings, Medley, FL — Project engineer for the design of several pipeline segments to serve future development over approximately 600 acres of currently vacant land. The crossings are part of improvements included in the Lakeview Utility District Master Plan. The crossings were designed such that they are constructed ahead of the proposed roadway and drainage facilities along 87th Avenue in the Town of Medley. These facilities allow the Town to serve the properties adjacent to NW 87th Avenue on both east and west sides without the need to excavate within the right-of-way after the roadway has been constructed.

Lincoln Road District Improvements, Miami Beach, FL — Project engineer. This is an ongoing project with City of Miami Beach for the redevelopment of Lincoln Road Pedestrian Mall. The mall is being redeveloped between Lenox avenue to Washington Avenue. The design included water features, streetscape, and infrastructure improvements. Kimley-Horn is currently providing civil engineering, permitting, traffic signal modifications, and civil engineering design services for this project. This project includes the replacement of 8-inch sewer main, 12-inch water main, 24-inch storm pipe, and 30-inch force main along Meridian Avenue.

The Underline Phase I and II Design Criteria Package, Miami, FL — Project engineer. Kimley-Horn is providing professional services to Miami-Dade County to develop a design-build criteria package for the Underline, a 10-mile linear trail and urban park underneath Miami's elevated Metrorail line. Services included utility coordination, development of design standards, schematic layouts for six intersection crossings, including bike lanes and pedestrian crossings, signage, pavement markings, and signal modifications. Design criteria for landscape architectural features and amenities was also included.

Doral Legacy Park (NW 114th Avenue Park), Doral, FL — Project analyst on the Kimley-Horn team that prepared the conceptual plan and construction plans of an 18-acre park located on the corner of NW 82nd Street and NW 114th Avenue. The concept for the park consisted of two adjacent sites with both active and passive recreational amenities. Park amenities include the following recreational components, community center building, baseball fields, tennis courts, basketball courts, sand volleyball, soccer fields, playground, multi-use field, walkways, boardwalk, and wetlands. Engineering services include site grading and layout, stormwater drainage system design, utilities, and sewer main extension.



Special Qualifications

- » Eight years of experience in the design and preparation of plans, specifications, construction documents; regulatory assistance; and construction administration services
- » Computer software experience includes AutoCAD, ICPR, and AutoCAD Civil 3D

Professional Credentials

- » Bachelor of Science, Civil Engineering, Florida International University
- » Professional Engineer in Florida #84672

Juan Fuentes, P.E., S.E., LEED AP

Structural Engineering

Relevant Experience

Structural Design Services for the Miccosukee Service Plaza, FL — Project manager. The project consists of a gas station canopy and a single-story retail building with approximately 11,000 square feet of area. It is anticipated the project will utilize open web joist, load bearing masonry, and shallow foundations. The gas station canopy will be designed by a delegated engineer, Kimley-Horn will be designing the foundations. Scope of services include construction document phase services, permitting and bidding phase services, and limited construction phase services.

Structural Design Services for JAXPORT Wall Repair in Jacksonville, FL — Project manager. Kimley-Horn was retained by the client to provide structural design services for JAXPORT Wall Repair in Jacksonville after a precast concrete wall panel and post were damaged due to an impact by a forklift. Scope of services include site visits, repair documents, and limited construction phase services.

Miscellaneous Pump Stations, Miami-Dade County, FL — Project manager for upgrades to existing pump stations throughout Miami-Dade County. Projects varied in scope from minor rehabilitation to complete replacement.

Deering Estate Weir Glade Rehydration Project, Miami-Dade County, FL — Project Engineer for the design of a weir structure located on the Deering Estate, immediately adjacent to a historic rock bridge. The weir consisted of cast-in-place retaining wall with interchangeable wood panels to allow the owner to vary the amount of water impounded behind the structure. The weir was designed to aesthetically blend in with its surrounding environment. Consideration of construction methods and equipment was required due to the lack of access to the weir location and to minimize the damage to the environment from construction activities.

South District Water Reclamation Plant, Miami, FL — Project manager for new 23.0 MGD, \$300 Million water reclamation facility. Project is first of its kind in Miami-Dade County and one of a handful across the United States. Project includes over 180,000 sq. ft. of process and administration buildings.

Central District Water Reuse Facility, Miami, FL — Project manager for new water reuse facility in Miami Dade County. The new facility requires a new 30,000 sq. ft. membrane facility, pump facility and 1.5 MGD above ground storage tank.

Norwood Operations Center, City of North Miami Beach, FL — Staff engineer responsible for the construction documents for this \$4 million project. This project provides the City with a new 7,000 sq. ft. pump building and 2 million gallon above ground storage tank. The City also required for the above ground storage tank to be hidden by a forty-foot high privacy wall with a total perimeter length of over 500 feet. The project used tilt-up walls for both the privacy and building walls.

Norwood Oeffler WTP, City of North Miami Beach, FL — Project engineer responsible for the design and construction documents for all structurally related aspects of this \$30 Million project. The large scale expansion and improvements to the existing water treatment plant include: a new 2-story 14,500 sq. ft. administrative operations office building, a new 23,000 sq. ft. nanofiltration and reverse osmosis membrane technology building, gravity lime sludge thickener, contact basin, high service pump building, motor control electrical rooms, generator rooms, a new 2,500 sq. ft. structure to store the sodium hypochlorite

WCN36028.20200 Backup Electrical Power Generators for Sewer Lift Stations.indd



Special Qualifications

- » 21 years of experience
- » Involved in all aspects of a project from design concept through construction administration
- » Has worked on a variety of project types including educational, healthcare, institutional, municipal and sports facilities
- »

Professional Credentials

- » Bachelor of Science, Civil Engineering, University of Miami
- » Bachelor of Science, Architectural Engineering, University of Miami
- » Professional Engineer in Florida #62426
- » Florida Structural Engineers Association, Member, Past President
- » American Society of Civil Engineers (ASCE)
- » Urban Land Institute (ULI)

Juan Fuentes, P.E., S.E., LEED AP

Relevant Experience Continued

tanks, metering rooms and storage. The expansion will allow the Norwood plant to independently produce 31.0 MGD and improve the quality of water that they deliver to their customers.

Lauderdale Lakes Community Center, Lauderdale Lakes, FL — Project engineer responsible for the design and preparation of construction documents for the community center. The facility consists of two buildings, a 6,000 square-foot activity building, and a 2,000 square foot athletic center that share an outdoor landscaped plaza.

Warfield Park, Ft. Lauderdale, FL — Project engineer responsible for the design and preparation of construction documents for the 4,000 square foot community center. The facility had an indoor basketball court which required special attention to the exterior wall and roof design.

Coral Springs Public Safety Training and Technology Center, Coral Springs, FL — Project engineer responsible for the design and construction documents of the new \$3.9 million, 30,000 sq. ft. Training Center and attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns and load bearing masonry walls.

Florida International University Central Chiller Plant Expansion Part B, University Park Campus, FL — Project engineer responsible for the design and construction documents of the new 7,500 sq. ft. chiller plant. The chiller plant has the unique design challenge of a twenty-foot high parapet hiding the nine new cooling towers that will provide sufficient cooling capacity for the University's continued future expansion. The cooling towers are supported on a separate concrete frame structure that required a STAAD analysis for the interaction between concrete frame and diaphragm.

Miracle Marketplace Renovation, Miami, FL — Field representative for special inspector and staff engineer responsible for the inspection and design for \$30 Million existing building renovation. Project removed existing concrete floors and replaced them with two new structural steel floors. Project required close coordination with the contractor to ensure proper demolition and new construction sequence.

Coral Terrace Retail, Miami, FL — Principal in Charge and Engineer of Record for a new 150,000 square foot (sf) retail center which included 60,000 sf of stand-alone multitenant retail and 90,000 sf stand-alone single tenant warehouse retail. Project utilized open web joist roof framing, interior steel columns, tilt-up concrete panels, and shallow foundations.

Coral Springs Warehouse Retail, Coral Springs, FL — Principal in Charge and Engineer of Record for a new stand-alone 90,000 square foot (sf) single tenant warehouse retail project. Project utilized open web joist roof framing, interior steel columns, tilt-up concrete panels, and shallow foundations.

Sweetwater Retail Phase I/II, Sweetwater, FL — Principal in Charge and Engineer of Record for this façade renovation of existing 10,000 square foot (sf) retail center, attached 10,000 sf single story addition, and new 5,000 sf outparcel. Project utilized prefabricated wood trusses, open web steel joist, load bearing masonry, and shallow foundations. Project required unique solutions integrating the façade renovation elements with the existing structure.

16000 Pines, Pembroke Pines, FL — Principal in Charge and Engineer of Record for a new mixed-use retail center that included 85,000 square feet (sf) of retail, 15,000 sf of medical office building, and 7,000 sf post office renovation. Project utilized open web joist roof framing, interior steel columns, reinforced masonry, and shallow foundations for the retail portions. The medical office building utilized prestressed precast concrete joist and interior concrete columns supported by shallow foundations.

Baptist Hospital West Kendall, Miami, FL — Project manager and Engineer of Record (Foundation Permit) for a new LEED Certified \$100 Million 4-story, 318,000 square foot hospital, medical office building and central energy plant. The project used a combination of concrete moment frames and shear walls to resist wind forces, prestressed joist for the floor framing, and six-inch precast concrete panels for cladding. The structure is designed to resist the lower bound wind speed of a Category 5 hurricane.

Noel Ramirez, P.E.

Structural Engineering

Relevant Experience

ARC Summerville Pump Station, Miami, FL — Project engineer. Kimley-Horn is currently providing professional engineering services for this public pump station. This station will be sized to accommodate the proposed flow from the project area and any additional flow as required per the Miami-Dade Water and Sewer Department (MDWASD). In addition, Kimley-Horn is responsible for all coordination needed to prepare the structural plans for the fuel tank and generator per MDWASD standard details.

Galleria Mall Garage Condition Assessments and Restoration, Fort Lauderdale, FL — Project engineer. Kimley-Horn team performed the condition assessment and restoration of four parking garages serving the mall. The four parking structures were evaluated and assigned prioritized repairs associated with an order of magnitude cost. The parking structures consist of various construction types including cast-in-place and precast. Restoration scope includes concrete repairs, waterproofing repairs, and perimeter barrier upgrades. In addition, Kimley-Horn is serving as structural engineer for tenant fitout including structural re-framing of existing precast concrete structure to accommodate escalator relocation, closure of floor openings, and supplementary steel beams for increased floor loadings.

North Bay Village Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL — Project engineer. Kimley-Horn provides general engineering services for the City of North Bay Village on an ongoing basis. Services have included water and wastewater studies, planning, design, permitting, and construction phase services.

Miami Dade College Wolfson Garage Restoration, Miami, FL — Project engineer. After providing a structural and waterproofing assessment, Kimley-Horn was selected as the prime consultant for the restoration of Miami Dade College's Wolfson Garage. The Kimley-Horn team is providing the following services for the 11-story, 2,260-space parking garage: schematic design, design development, construction documents, bidding assistance, and construction administration.

North Bay Village Baywalk Plaza Area Design, North Bay Village, FL — Project engineer. As prime consultant, Kimley-Horn and Associates Inc. provided North Bay Village with landscape architecture and civil engineering services for the site improvements to separate plaza areas and connector boardwalk under the east bridge along JFK Causeway. Services include the design of landscape architectural components including hardscape, landscape, site furniture, site lighting and irrigation from concept through construction. Part of the design elements of the project includes an iconic "sail structure" to serve as a focal point.

Miami Dade College (MDC) InterAmerican Plaza Parking Structure, Miami, FL — Project manager. Kimley-Horn led the condition assessment of the existing 800-space parking structure. We were responsible for identifying areas in need of structural and waterproofing repairs associated with an order of magnitude cost. Within a two-week period Kimley-Horn produced restoration permit documents for Phase I restoration consisting of top floor expansion joint replacement, concrete wash installation, stair tower roof coating and sealant, and supplementary floor drain installation.



Special Qualifications

- » Has eight years of experience
- » Software experience includes SAFE, ETABS, RISA 3D, REVIT, AutoCAD, MathCAD, ANSYS, and MS Office

Professional Credentials

- » Master of Science, Civil Engineering (Structures), Florida International University
- » Bachelor of Science, Civil Engineering (Structures), Florida International University
- » Professional Engineer in Florida, #80194
- » Member, International Concrete Repair Institute (ICRI)
- » Past President, Florida Structural Engineer Association (FSEA)

Noel Ramirez, P.E.

Relevant Experience Continued

Omni Parking Garage Repair Assessment and Design, Miami, FL — Project engineer providing restoration design and construction phase services for the Omni Parking Garage, a nine-level, two-bay wide structure with capacity for 2,200 cars. The oceanfront structure is in disrepair and preliminary observations note floor cracks, concrete floor spalls, overhead spalls, and deteriorating sealants, metal stairs, railings, barriers, and expansion joints. Kimley-Horn is tasked with providing recommendations for repair and opinions of probable costs.

Swire Properties, Brickell City Centre, Miami, FL — Project engineer. Located at the core of the City's financial district, Brickell City Centre is a nine-acre mixed-use development—and one of the largest active projects in the City of Miami today. The site comprises approximately three city blocks. At completion, this \$1.05 billion project will include 2.9 million square feet of retail, office, residential, and entertainment space. The parking demand for this proposed development will be satisfied by the construction of a two-level subterranean parking garage, which will extend beneath the right-of-way for full connectivity between the three blocks. This LEED Neighborhood Certified project will also include sustainable elements such as a climate ribbon, green roofs, and cisterns for irrigation use. As the engineer of record, Kimley-Horn is providing an array of civil engineering, transportation planning, and traffic engineering services. The scope of work includes design, permitting, and construction administration for the installation of more than 7,000 linear feet of new water and sewer utilities within an extremely congested utility corridor; full roadway reconstruction including drainage improvements; traffic signalization; and on-site stormwater management.

South Dade Landfill (SDLF) Cell 3 and Cell 5 Closure, Miami, FL — Project engineer. The \$9-million South Dade Landfill (SDLF) Cell 3 closure construction project consisted of the installation of a final cover system that contained both geosynthetic materials and soil layers on both the top and side slopes of this 40-acre area. The SDL Cell 5 project involves a new 50-acre cell for the disposal of solid waste collected by the Miami-Dade County Department of Solid Waste Management, the largest government-owned solid waste authority in the southeastern United States.

St. Armands Parking Garage, Sarasota, FL — Project engineer. The City of Sarasota selected Kimley-Horn to lead the design of the approximate 500 space parking garage in St. Armand's Circle. The design included concept development, theming, site planning, civil engineering, landscape architecture, traffic engineering, parking consultation, and structural engineering services. The area is known for its variety of restaurants and retail stores, which also neighbors the nearby beach on Lido Key. The parking garage will provide a much-needed boost to the area's parking supply.

The Flamingo South Tower Garage/Lanai (aka Flamingo Parking Garage), Miami Beach, FL — Project engineer. Kimley-Horn served as prime designer for the design-build demolition and replacement of an existing parking garage/lanai deck for the residents of the adjacent condominium tower facing Biscayne Bay. The pre-existing structure supports a lanai deck providing an area for resident gatherings and events. Our services included civil engineering, parking consultation, structural engineering, and landscape architecture and have teamed with consultants to provide architecture and MEP engineering.

Plaza Coral Gables, Coral Gables, FL — Project engineer. Kimley-Horn is providing parking consulting and traffic engineering services to Agave Ponce for the Plaza Coral Gables project. Plaza Coral Gables is a multi-block mixed-use project comprised of a five-star hotel, Class A office space, high-end retail, 229 luxury townhomes and condos, a rooftop fine dining restaurant, public open space, and parks. The design combines individual parcels with a variety of uses and public amenities, maintaining a pedestrian flow that encourages walkability, including a colonnade, shade trees, and lighting. Plaza Coral Gables will also pursue LEED for Neighborhood Development certification. In the case of Plaza Coral Gables, over 50% of the total site area will be dedicated to open space, including rooftop green space designed to capture rainwater and reduce runoff.

Motorola at Plantation Pointe, Plantation, FL — Project engineer. Kimley-Horn provided design, permitting, and construction phase services, including the preparation of construction documents and specifications for the redevelopment of this 77.54-acre Motorola site. The project included the preparation of design documents and multi-phase plan sets. The improvement project included on-site lake relocation of an existing 4.26-acre lake, and connecting existing catch basins and new outfall systems which included the design of over a quarter mile of 6-foot by 7-foot box culverts, in addition to 550 feet of 5-foot by 6-foot box culvert throughout the site. Also used design documents and calculations to submit permitting documents for local government approval and FDOT approval.

David Goldman, P.G

Environmental Engineering

Relevant Experience

Hydrogeologic Investigation OF Celery Fields Regional Stormwater Park, Sarasota County, FL — Project manager for hydrogeologic investigation of Celery Fields Regional Stormwater Park. Planned and reviewed geotechnical and aquifer performance testing investigations. Evaluated the use of horizontal wells in the Celery Fields Regional Stormwater Park using MODFLOW. Evaluated overall water budget and use of aquifer storage and recovery (ASR) wells for storage of excess stormwater.

DeLeon Springs State Park Environmental Assessment of the Spring Run, DeLeon Springs, FL — Served as project geologist. In 2007, the state of Florida decided to restore the spring run to its historical characteristics and awarded the project to Kimley-Horn to implement the restoration of the creek's ecological habitat in a multi-year, multi-phase process. Kimley-Horn has completed the topographic and bathymetric surveys, an underwater assessment of the spring, the vegetation and animal species assessments, and completed a sedimentation analysis.

Environmental Assessment and Characterization Services (Brownfields), New Smyrna Beach, FL — Serving as project manager. 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.

Midtown Miami Brownfield Redevelopment (includes Hydrogeologic Study, Former Buena Vista Railroad Yard), Miami, FL — Served as project manager for the remediation of this 56-acre brownfield which is the largest redevelopment project in the City of Miami. The site was a 100-year-old FEC rail yard with contaminants ranging from petroleum hydrocarbons to metals. The remediation activities were integrated into the site overall development plan to reduce cleanup costs by millions of dollars while allowing for the full development of the property. The site received an SRCO in 2006. In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. This project is an example of the turnkey type of brownfield redevelopment services Kimley-Horn offers, and we are very proud of the fact that Midtown Miami was the recipient of the EPA Region 4 2009 Phoenix Award, the nation's most prestigious award for brownfield redevelopment.

12-MGD Injection Well and Wastewater Treatment Plant, Pembroke Pines, FL — Oversight of design and permitting of two injection wells to handle up to 12 MGD of wastewater from a proposed treatment plant. Oversight includes budget and scheduling, review of well drilling and testing data, and UIC permit applications and approvals.

Osprey Tract (South Creek Basin), Osprey, FL — Served as project team member. Conducted assessment and data interpretation of former nursery with arsenic-impacted soil. Helped define site development approach, and conducted groundwater modeling to examine effects of construction site dewatering on the movement of chlorinated solvent plume located on adjacent property.



Special Qualifications

- » 32 years of experience in conducting and managing remediation projects involving Brownfield sites, hazardous waste, industrial waste, and petroleum contamination; water resource development; permitting; groundwater modeling; and aquifer storage and recovery
- » Integration of site assessment and remediation with site civil design and construction components on numerous sites in Florida and other areas of the country
- » Experience with environmental compliance, RCRA, CERCLA, and state hazardous waste and cleanup programs
- » Familiar with the following programs involving aquifer characteristic calculations, groundwater flow, and contaminant transport: MOC, MODFLOW, Groundwater Vistas, QuickFlow, Aquifer win 32, WinTrans, MODPATH, MODRET, RT3D, and finite element modeling of groundwater and contaminant transport

Professional Credentials

- » Master of Science, Geology, University of Florida
- » Bachelor of Science, Geology, University of Florida
- » Professional Geologist in Florida, #PG1573
- » American Water Resources Association
- » National Groundwater Association
- » Florida Brownfields Association

David Goldman, P.G

Relevant Experience Continued

Oak Hills Wastewater Treatment Plant Expansion, Loughman, FL — Project manager for development of a longterm permitting plan to meet water use demands in eastern Polk County. Coordinated aquifer testing program for supply wells. Also, prepared groundwater model to simulate the effects of construction and loading of additional rapid infiltration basins.

Integrated Water Plan and Groundwater Modeling, Bald Head Island, NC — Project hydrogeologist for development of plan to integrate water and wastewater resources to meet the demands of Bald Head, a resort island off the coast of North Carolina. Project manager for long-term investigation of water levels in wastewater disposal ponds and development of MODFLOW groundwater model for the entire island.

EPA Brownfields Assessment Program Consulting, Wauchula, FL — In 2011, the City of Wauchula was awarded a Brownfields Assessment Grant by the EPA to assess hazardous substances and petroleum contamination at various sites within the designated enterprise zone. Kimley-Horn's scope of work under this task-based contract includes generation of scope/fee and completion of Phase I and Phase II Environmental Site Assessments (ESAs) at designated sites; preparation of site-specific Quality Assurance Project Plans (QAPPs) and Health and Safety Plans (HASPs) to meet EPA and FDEP standards; preparation of monthly and quarterly report documentation for submittal to EPA; Brownfield Site Rehabilitation Agreements (BSRAs) development and negotiations; and assisting with negotiating assessment requirements with the EPA and FDEP on behalf of the County. Additional services include community outreach/stakeholder involvement, risk assessment reporting, asbestos and lead-based paint surveys, and the generation of cleanup and redevelopment plans.

Jaxson Brown/HASSCO Rehabilitation Brownfield Site, Jacksonville, FL — Served as project manager for the development of this Brownfield site that was a former landfill operated in the 1970s. The site was an abandoned property and the landfill cap was extensively breached when originally purchased by the client. Kimley-Horn developed a plan to address environmental concerns such as groundwater and soil impacts, along with wetland encroachment, while still devising a plan for useful land development. We reduced the potential for environmental impacts by preparing a plan to develop the property with minimal impact to the existing subsurface waste, thereby creating a “win-win” situation for both the Florida Department of Environmental Protection (FDEP) and the client. The Kimley-Horn team developed contamination assessment plans (CAPs) and implemented assessment activities for the former landfill. We also completed contamination assessment reports (CARs) and negotiated with FDEP on assessment and monitoring activities. In addition, Kimley-Horn prepared a solid waste permit, an environmental resource permit (ERP), and a stormwater application for review by FDEP. This was the first project of its kind in the FDEP Northeast District.

System 3 Multipurpose Floridan Aquifer Well, Palm Beach County, FL — As project manager, led the Kimley-Horn team to complete an ASR well at System 3 plant. Duties included finalization of well construction report including geophysical log and lithologic log interpretations, and development of cycle testing plan.

Eastern Hillsboro Canal Aquifer Storage and Recovery Project, Palm Beach, FL — Project manager for design, permitting, construction, and testing of ASR well in southern Palm Beach County. Project will involve storage of raw water recovered from surficial aquifer in ASR well. Water will subsequently be used for supply to the County membrane treatment plant or for discharge to Hillsboro canal. Project funded by grant from South Florida Water Management District and is currently in construction phase.

Leonte Almonte, P.E.

Roadway/Maintenance of Traffic

Relevant Experience

General Consulting Services (includes Stormwater Master Plan, SW 164th Street, SW 148th Street, SW 89th Street, SW 146th Street Improvements), Palmetto Bay, FL — Serving as project engineer. Kimley-Horn is currently working with the Village of Palmetto Bay as a general consultant to provide all types of engineering services, such as planning, general civil engineering, and transportation. The Village of Palmetto Bay is a newly-incorporated community that is evaluating the condition of their infrastructure and developing a new vision for their community. The Village has looked to Kimley-Horn to develop a stormwater master plan and an associated stormwater management plan to implement a stormwater utility and obtain ownership of the infrastructure. The Village has also asked Kimley-Horn to develop a comprehensive plan as a foundation and framework for the new municipality, as well as provide civil engineering expertise to help them implement their new community vision. Other services provided have included local flooding analysis and assistance with grant applications.

MDX Design Engineering for SR 874 (Don Shula Expressway) from Kendall Drive to SR 826, Miami, FL — Project engineer for this MDX project that proposed to add one lane in each direction on the existing SR 874 corridor from SW 88th Street (Kendall Drive) to south of SR 826 (Palmetto Expressway) located within Miami-Dade County. This corridor is a critical link between Florida's Turnpike and SR 826 (Palmetto Expressway). Prepared the pavement design, roadway cross sections and drainage structures cross sections. Also, reviewed existing cross slopes in order to provide proper cross slope correction methods, including special details and profiles. Assisted in the horizontal and vertical alignment design. Prepared MOT typical sections and assisted in the project's MOT design. The nature of the project changed and was reprocured as a Design-Build project. Kimley-Horn prepared 99% design plans and the subsequent design-build criteria package.

Miami Lakes Downtown Phase I and II, and Lake Patricia Roadway/ Drainage Improvement Projects, Miami Lakes, FL — Served as project engineer. Kimley-Horn was involved with the design and permitting services to implement a large roadway and drainage improvement project located in Downtown Miami Lakes. The project area consisted of Bull Run Road from NW 67th Avenue south to Ludlum Road and Miami Lakeway North from NW 67th Avenue to Miami Lakes Drive. It also included Main Street and Meadow Walk from Bull Run to Miami Lakeway North. The capital project included approximately one mile of roadway restoration/resurfacing and drainage improvements in residential/ business areas, curbing and sidewalk improvements, a new outfall pipe, swale restoration, signing and pavement markings, and site restoration. The drainage improvements consisted of approximately 3,000 linear feet of exfiltration trench, approximately 2,500 linear feet of HDPE piping, approximately 40 drainage structures and one outfall structure and headwall. Kimley-Horn also provided construction phase services to expedite the project, confirm the project was built in accordance with the design plans, and to minimize impacts to the community during construction.



Special Qualifications

- » Has 18 years of roadway design experience
- » Specializes in roadway design, drainage design, signing and pavement marking, signalization, and advanced traffic management system design
- » Proficient in MicroStation, Geopak, Primavera P6, ArcGIS, AUTOTurn, Real Cost, MS Project, AASHTO Pavement ME
- » Alumni of the International Bridge, Toll and Turnpike Associations (IBTTA) Leadership Academy

Professional Credentials

- » Master of Science, Transportation Engineering, Florida International University
- » Bachelor of Science, Civil Engineering, Pontificia Universidad Catolica Madre y Maestra
- » Professional Engineer in Florida #70822
- » American Society of Civil Engineers (ASCE)
- » Institute of Transportation Engineers (ITE)
- » Society of Hispanic Professional Engineers
- » International Bridge, Tunnel and Turnpike Association - Leadership Academy

Leonte Almonte, P.E.

Relevant Experience Continued

SW 89th Street Roadway and Drainage Improvement Project, Palmetto, FL — Kimley-Horn assisted in developing a roadway restoration/resurfacing and drainage improvements project in a residential area, including design, hydraulic modeling, contract documents, and permitting. Our team located proposed drainage infrastructure and provided cost-effective drainage improvements to meet stormwater management and environmental permitting requirements, as well as minimize impacts to adjacent properties. In addition to the roadway and drainage improvements, the project included signing and pavement markings, swale restoration, sidewalk improvements, and site restoration. Kimley-Horn provided construction phase services to expedite the project and to confirm the project was built in accordance with the design plans. Close coordination with residential property owners was required for the successful project.

Flood Mitigation Area South, Medley, FL — Project engineer and engineer of record for roadway and drainage improvements for over 4,000 linear feet of roadway within the Flood Mitigation Area in the Town of Medley. Responsible for development of roadway and drainage cross sections, roadway alignment, temporary drainage plans for an emergency trunk line, pre- and post-design water treatment calculations, exfiltration trench calculations and design, utility coordination, stormwater pollution prevention plans (SWPPP), review of as-builts, and signing and pavement markings. The Town seeks to alleviate frequent flooding within the basin known as the Flood Mitigation Area as well as upgrade the existing roadway, which has deteriorated in part due to the absence of adequate stormwater management facilities. As one of the largest public infrastructure undertakings in the Town's history, this project is expected to alleviate flooding and increase roadway capacity in the area. The combination of improvements in conjunction with ongoing private land development in the area is revitalizing the industrial Town of Medley.

Mowry Drive Roadway Improvements, Homestead, FL — Served as project engineer for the new construction and widening of Mowry Drive (SW 320th Street) from SW 157th Avenue to SW 152nd Avenue. The existing roadway consisted of a one-lane paved road and was proposed to be converted to a four-lane divided urban section with bike lanes on both sides. The project included design and preparation of roadway, drainage, signing and marking, lighting, water main extension, landscaping and irrigation plans. As part of the project, environmental and drainage permits were obtained from SFWMD, RER and USACE. Served as construction supervisor during construction.

SR 944 (NW 54th Street/Hialeah Drive) Resurfacing (RRR), FDOT District Six — Project engineer/deputy project manager leading a team responsible for providing roadway design plans, maintenance of traffic, signing and pavement marking, signalization plans and preparation of design exceptions/exceptions, typical section, and pavement design packages for the corridor. The project includes milling, resurfacing, overbuild, cross slope correction, one new signalized intersection, and modifications to the existing signalized intersection to bring them up to current standards. The project also includes public involvement (public involvement meetings/presentations) and coordination with FDOT District Six PIO.

I-395 Reconstruction from West of I-95 to McArthur Causeway, FDOT District Six and Private Developer — Served as roadway engineer for site/civil engineering services for the 14-acre Bayfront site that previously housed the Miami Herald newspaper. Kimley-Horn prepared 15% concept plans for the reconstruction of I-395 from west of I-95 to McArthur Causeway. This involved intricate analysis of multiple roadway alignment alternatives, improvements to the network of local roads, MOT, drainage analysis, bridge analysis, modifications to the existing interchange of I-395/SR 836/I-95, signing master plan, utility analysis and impacts to the PD&E and further re-evaluations. It also included extensive coordination with FDOT, MDX and stakeholders.

SR 997 (Krome Avenue) Drainage Design from SW 88th Street (Kendall Drive) to SW 8th Street, Miami-Dade County, FL — Project engineer on the Kimley-Horn team that provided drainage design as a subconsultant to another firm for the total reconstruction of SR 997/Krome Avenue/SW 177th Avenue from just south of Kendall Drive to north of Tamiami trail. Kimley-Horn was responsible for designing a drainage and stormwater management system complying with appropriate regulatory agencies requirements and FDOT's Drainage Manual. The project also involved the preparation of a bridge hydraulic report and bridge hydraulic recommendation sheet. We were also responsible for coordinating environmental permits.

Gabriela Ramirez, P.E.

Roadway/Maintenance of Traffic

Relevant Experience

Downtown Miami Event Transportation Management Plan DDA, Miami, FL — Project engineer. Kimley-Horn prepared a series of comprehensive Event Transportation Management Plans (ETMP) for the major downtown event venues for the Miami Downtown Development Authority (DDS). The ETMP were prepared to improve traffic flow, reduce pedestrian vehicle conflicts, and reduce congestion during the time of the events. Scope of work included field reviews, data collection, review of best practices, general recommendations, schematic MOT plans, and proposed diversions.

Lincoln Road District Improvements, Miami Beach, FL — Project engineer. This is an ongoing project with City of Miami Beach for the redevelopment of Lincoln Road Pedestrian Mall. The mall is being redeveloped between Lenox avenue to Washington Avenue. The design included water features, streetscape, and infrastructure improvements. Kimley-Horn is currently providing civil engineering, permitting, traffic signal modifications, and civil engineering design services for this project. This project includes the replacement of 8-inch sewer main, 12-inch water main, 24-inch storm pipe, and 30-inch force main along Meridian Avenue.

Miami Beach Convention Center, Miami Beach, FL — Roadway, signing, and marking and signalization project manager. This project includes the redesign of Convention Center Drive, 19th Street, 18th Street, and Washington Avenue. The scope includes a change in each roadway's vertical alignment, a new drainage system, upgrades to the adjacent pedestrian facilities to meet current ADA standards, improvements to three signalized intersections, and installation of several rectangular rapid flashing beacons (RRFB) for pedestrian crosswalks. These improvements are being done in the heart of the City of Miami Beach and required extensive intergovernmental coordination with the City and Miami-Dade County Public Works Department.

I-95 Corridorwide Planning for Operational Deficiencies, US 1 to Broward County Line, FDOT District Six, FL — Project engineer. Kimley-Horn is developing and evaluating improvement concepts and performing a detailed planning level operational analysis for the I-95 corridor within District Six. The analysis includes evaluation of the study interchanges, interchange influence areas, and ramp junctions, as well as post-implementation operational conditions of the 95 Express corridor improvements. The purpose of this evaluation is to identify deficiencies focusing on recurring bottlenecks and to develop a series of proposed improvements to address the existing and future demands of the corridor. If necessary, multiple improvement alternatives will be developed for the mainline and system-to-system connections.

All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise, FL — Project engineer. This project involves the AET conversion of 20 miles of the Sawgrass Expressway from I-595 to Florida's Turnpike in Broward County, including two mainline toll plazas and fifteen ramp plazas. The conversion included demolition, grading, paving, maintenance of traffic, signing and pavement markings, lighting modifications, drainage, permitting, ITS, utility coordination, tolling, architecture with MEP, and landscaping. Kimley-Horn's scope also included signing and pavement marking plans, including structural design, lighting plans, ITS plans, and landscaping plans.



Special Qualifications

- » Nine years of experience as a roadway engineer developing and preparing roadway construction plans and typical section packages, as well as performing complex geometric calculations
- » Has created alignments, typical sections, and traffic control plans for all phases of construction
- » Software experience includes Microstation, Geopak, AutoCAD, MathCAD, ANSYS, REVIT, and Primavera

Professional Credentials

- » Master of Science, Civil Engineering, Florida International University
- » Bachelor of Science, Civil Engineering, Florida International University
- » Professional Engineer in Florida, #79620
- » American Concrete Institute
- » American Society of Civil Engineers (ASCE)
- » Florida Structural Engineers Association

Gabriela Ramirez, P.E.

Relevant Experience Continued

Town of Medley Flood Mitigation Area South, Medley, FL — Project engineer. Kimley-Horn provided professional engineering services for roadway and drainage improvements for over 4,000 linear feet of roadway within the Flood Mitigation Area in the Town of Medley. The Town seeks to alleviate frequent flooding within the basin known as the Flood Mitigation Area as well as upgrade the existing roadway, which has deteriorated in part due to the absence of adequate stormwater management facilities. As one of the largest public infrastructure undertakings in the Town's history, this project is expected to alleviate flooding in the area and increase roadway capacity in the area. The combination of improvements in conjunction with ongoing private land development in the area is revitalizing the industrial Town of Medley.

All Electronic Tolling (AET) Phase 5C, Florida's Turnpike Enterprise, FL — Project engineer for the design and preparation of final construction documents to convert existing toll plazas to all-electronic tolling from Sawgrass Expressway to south of the Lantana Mainline Toll Plaza. Existing toll plazas and gantries will be demolished and new AET tolling points will be constructed. Services also include specifications package preparation, signing and pavement marking analysis and plans, lighting design, ITS facility design, utility coordination, and landscaping plans.

NW/NE 36th Street Corridor Study, Miami, FL — Project analyst for the development and evaluation of mobility enhancement alternatives along the NW/NE 36th Street corridor in the study area bound by NW/NE 54th Street to the north, NW/NE 20th Street to the south, I-95 to the west, and Biscayne Bay to the east. The NW/NE 36th Street Study performs a review of existing and future traffic conditions and makes recommendations on how to enhance mobility in the study area. A primary purpose of this study was to evaluate the impact of increased demand on the area's transportation network and to make recommendations on how to accommodate the increase in future traffic.

Okeechobee Road (SR 25) from East of NW 87 Ave to NW 79 Ave, FDOT District Six, FL — Project engineer for final design services for the reconstruction of a ¾-mile section of Okeechobee Road in Miami-Dade County. Services include widening the existing road to 4 lanes in each direction; widening the NW 79th Avenue Bridge over the Miami (C-6) Canal; intersection modifications at NW 95th Street and Frontage Road; relocation of an existing BJ's Wholesale Club entrance and addition of a new free-flow right-turn lane; and new access from the Frontage Road to westbound Okeechobee Road. Kimley-Horn is also responsible for all permitting; structural design; drainage design; signing and marking; signalization; lighting design; ITS system design; and landscaping along the corridor.

SR 972/Coral Way from SW 37 Avenue to SW 13 Avenue Resurfacing, FDOT District Six, Miami, FL — Design analyst and assisted in developing plans for the resurfacing of Coral Way from SW 37th Avenue to east of SW 13th Avenue in Miami. Kimley-Horn assisted the City of Miami with a beautification master plan and design guidelines in 2002 for this area. The project corridor includes a mix of businesses and apartments; the corridor is unique in its designation as a State Historic Highway (SHH), and is famous for its canopy of mature Banyan trees. The historic nature of these signature trees and widespread flooding made this more than a typical milling and resurfacing project and required extensive coordination with FDOT and local agencies, including the City of Miami Historic Preservation Board. The project also included approval of many design variations and exceptions.

Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six, Miami-Dade County, FL — Project analyst for the team providing roadway, signing and marking, signalization, lighting, structures and landscape design. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in South and West Miami-Dade County, with a daily truck percentage of 15%.

SR 710/Beeline Highway Design (East and West), FDOT District Four, Riviera Beach, FL — Project analyst assisting with preparation of MOT plans for this project that includes the addition of two new lanes to provide a four-lane divided urban section on SR 710 and the addition of a frontage road along the section. This project demanded extensive coordination with utility agencies for relocation of their facilities, the City of Riviera Beach, Palm Beach County and SFWMD.

Allison Megrath, AICP

Grant Funding Assistance

Relevant Experience

Multiple Grant Preparations, Statewide, FL — Project planner. Prepared applications for a variety of grant opportunities, such as Department of Economic Opportunity Community Planning Technical Assistance Grants, Competitive Florida Partnership Grants, and Community Development Block Grants to help our public sector clients. These funds assist in offsetting the cost of projects to a local government.

St. Johns River Water Management District Cost Share REDI Grant, Flagler Beach, FL — Project manager who prepared a REDI grant for a flood control project for the City of Flagler Beach. City was awarded the full amount of the request of \$500,000.

Bunnell Infrastructure Study (aka WWTF Master Plan), Bunnell, FL — Project planner. Project services include preparing a comprehensive water, wastewater, and reclaimed water utility master plan. The master plan will identify and prioritize utility system capital projects necessary to support anticipated growth and address infrastructure renewal and replacement needs required to serve the existing, 5-, 10-, and 20-year future needs of the City's utility service area. Additional services will include: wastewater collection system hydraulic analysis/evaluation; wastewater treatment facility (WWTF) master plan; reclaimed water distribution system hydraulic analysis; Capital Improvement Program development; revenue sufficiency analysis; funding alternatives evaluation; and public involvement.

Appalachian Regional Inland Port Master Plan, Murray County, GA — Project manager for inland port master plan. Fourteen sites are being considered, for which Kimley-Horn is providing data collection, Economic Development recommendations, identifying opportunities and constraints, and developing a transportation analysis and a capacity analysis of required infrastructure. The team will prepare graphic master plans of the two top sites to provide a visual of the final development. Included in the final document will be recommendations for successful marketing and development of the sites identified.

Comprehensive Plan Update/Economic Development Strategy, Williston, FL — Project manager and project planner who performed a Statutory update to the City's Comprehensive Plan including a new Optional Economic Development Element. Project included statutory updates, addressed current conditions and public outreach. Currently in final public hearings for transmittal and adoption. Kimley-Horn continues to administer the Technical Assistance Grant awarded to the City for this work effort to ensure compliance with the terms of the grant contract.

Competitive Florida Partnership, City of Williston, FL — Project planner who prepared an Economic Development Strategy with sub-consultant Three Points Planning, LLC. Worked under the Competitive Florida Partnership Program and a grant from the Florida Department of Economic Opportunity, prepared an Economic Development Strategy to set a vision for the future of the City of Williston. Project included Community Kick Off, Community Conversations, Community Asset Inventory, Asset Mapping Exercise led by the State of Florida and resulted in a draft Economic Development Strategy. Kimley-Horn continues to administer the Competitive Florida Partnership Grant awarded to the City for this work effort to ensure compliance with the terms of the grant contract.



Special Qualifications

- » Has 27 years of experience in project management, industrial site certification, stakeholder engagement, land use planning and zoning, regulatory compliance, grant writing and administration, and economic development
- » Allison has extensive experience with many other traditional and non-traditional funding programs such as Community Experience Development Block Grants, USDA funding, and economic development grants.
- » Has assembled a database of nearly 400 grant and loan funding programs

Professional Credentials

- » Bachelor, Urban Studies, University of Toronto
- » American Planning Association (APA)
- » Florida Chapter of the American Planning Association (FAPA), Executive Committee, Vice President of Professional Development



Aubrey Haudricourt, PE Electrical

MCKIM & CREED

KEY QUALIFICATIONS

- ✓ Career focused on electrical and controls systems specific to water and wastewater facilities
- ✓ Versatile knowledge of water and wastewater facilities designs
- ✓ Knowledge of proper safety procedures for working on and around high-voltage electrical and water and wastewater utility treatment plants

EDUCATION

B.S.E.E., Electrical Engineering,
Old Dominion University

LICENSURE

Professional Engineer,
FL # 66861

Professional Engineer,
TX, GA, VA

AFFILIATIONS

Institute of Electrical and
Electronics Engineers (IEEE)

IEEE Power & Energy Society
(PES)

Mr. Haudricourt brings 42 years of experience in both electrical and instrumentation engineering and construction. He has designed and overseen the installation of power generation, controls systems, lighting for large facilities. He has also been involved in security assessment and security design. His expertise includes evaluating existing conditions, treatment facility electrical systems, and both electrical and instrumentation systems.

SELECT PROJECT EXPERIENCE

City of Hollywood Electrical Power Generator

City of Hollywood, FL

Complete electrical evaluation of the water treatment plant's electrical service and distribution systems. Evaluation included discussion with power utility on quality issues and review of dual power feed service. In addition, a complete power load review and mapping was performed on all motors and breakers greater than 1hp @ 480V and 240V and less distribution panels. This information was uploaded into a database for analysis of fault, coordination and arcfault reports. The load information was used to determine the future needs of the plant for standby as well as electrical distribution upgrades.

Deep Well Injection Pump Station

City of Hollywood, FL

Mr. Haudricourt was the lead electrical and controls engineer for the design and construction of a 5 mgd deep injection well and booster pump station to dispose of RO concentrate and wastewater effluent for the City of Hollywood. Design consisted of medium voltage feeders to a new 1500kVa transformer, new prefabricated electrical building with variable speed drives, fiber optic link to new PLC control panel and all control strategies to maintain suction pressure on RO concentrate pumps while skids are in operation. Because of the close proximity to the neighborhood, a sound attenuating wall was constructed along with adjustment to carrier frequency to minimize noise levels.

WTP High-Service Pump Station

City of Hollywood, FL

Mr. Haudricourt was lead electrical and controls team designer for this project. McKim & Creed provided the electrical and controls design services for complete upgrades to the high-service pump station at the City of Hollywood's water treatment plant. Services performed included: Electrical, Instrumentation and Controls (EI&C) design including the introduction of adjustable speed pumping using variable frequency drives. Construction management services included site inspections/field observations during construction as well as startup services with final closeout inspections of the project.

Backup Power to 30 Pump Stations

City of Palm Coast, FL

Mr. Haudricourt assisted the City with design and construction services for adding standby power to 30 lift stations. The project included upgrades to the utility power service entrance, site review, addition of automatic transfer equipment, and sizing of the required generator for each site. The project was partially funded by a FEMA grant. Construction services included: submittal review, RFI response, inspection, start up and final completion documentation.

Lift Station 87

City of Sarasota, FL

Mr. Haudricourt was lead electrical design engineer for a new 10MGD wastewater pump station for the City of Sarasota. Criteria for the pump station required that it be completely concealed in a building that matches the surrounding neighborhood. An additional design feature is that City vehicles can drive into the building, thus also being concealed. Complete fire and gas detection system, specialized ventilation and odor control were also included. The design includes standby power with secondary back-up connection for the portable generator along with interior LED fixtures and automatically controlled decorative exterior lighting. The station is unmanned and remotely controlled.



Mike Stoup, PE Instrumentation & Controls

MCKIM & CREED

KEY QUALIFICATIONS

- ✓ Knowledge of available technology
- ✓ Focus on practical application of automation
- ✓ I&C/SCADA System Hardware

EDUCATION

B.S., Electrical Engineering,
University of South Florida

LICENSURE

Professional Engineer,
FL #65702

AFFILIATIONS

FS-AWWA Information Systems
Division Chair

FS-AWWA Automation Past
Committee Chair

ISA Tampa Chapter Vice
President & Past Program Chair

Mr. Stoup's career spans over 26 years of design, implementation and management of SCADA systems and process instrumentation and controls projects in the industrial and municipal marketplace. He offers extensive experience in the areas of project management, QA/QC, control system planning, design and implementation, PLC and HMI software implementation, communications and network planning and implementation. His system hardware and software knowledge extends to platforms provided by Allen Bradley/Rockwell, Schneider Electric, Trihedral, Inductive Automation and Wonderware software.

SELECT PROJECT EXPERIENCE

Lift Station SCADA System Upgrades - Phase 1 | Pinellas County, FL

Project engineer. McKim & Creed assisted Pinellas County with upgrading to SCADA technology, which consisted of radio replacements, and integration and development of the overall project roadmap.

SCADA Network Topology | Pinellas County, FL

Project manager. McKim & Creed provided engineering services to Pinellas County for the SCADA network topology documentation, back-up and recovery project. In order for the County to have a maintainable up to date SCADA network, McKim & Creed performed project management, current state hardware documentation, and current state HMI software documentation.

WWTP SCADA Upgrade Evaluation | City of Inverness, FL

Project manager. McKim & Creed provided professional engineering services to replace the aging SCADA system at the City's wastewater treatment plant with a VTScaDa HMI. The scope of work included onsite programming and configuration work to stabilize the old system while upgrades were accomplished.

Develop and Implement a SCADA Master Plan | Tampa Bay Water, FL

McKim & Creed developed a SCADA master plan to help Tampa Bay Water to reduce energy usage, decrease costs, mitigate risk and plan for the future operations of its utility systems.

SCADA Master Plan | Charlotte County, FL

Charlotte County enlisted McKim & Creed to develop a SCADA master plan that acts as a detailed roadmap to the County for enacting SCADA system improvements. Our team's scope of work included five key elements: project management, goals/objectives workshops, system data collection, information analysis and development of the master plan document.

Howard F. Curren Advanced WWTP Master Plan Phase I, City of Tampa, FL

Project manager. McKim & Creed provided engineering services for Phase 1 of master planning efforts launched by the City of Tampa for its Howard F. Curren Advanced Wastewater Treatment Plant that is permitted to treat 96 mgd with a Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification process. Our team provided review of historical and ongoing projects, reports and studies; initial observation of the plant; and a conceptual level assessment of major equipment within the facility and its current operations.

HMI Evaluation and Recommendation | Hillsborough County, FL

Project manager. The McKim & Creed team evaluated six different SCADA Human Machine Interface (HMI) software platforms and submitted an evaluation report of the findings with recommendations to Hillsborough County. The evaluation was performed to provide the County with a basis for determining if an upgrade to its HMI software is required, and which of the available software platforms would best support the County's management of its water and wastewater utilities.

Scott Ersland

Geotechnical Division Manager

FORMAL EDUCATION:

University of Wisconsin
Eau Claire, Wisconsin

Palm Beach Community
College, West Palm Beach

Rochester Community
College, Minnesota

PROFESSIONAL REGISTRATIONS:

NIOSH 582 Sampling and
Evaluating Airborne Asbestos
Dust Training

Asbestos Abatement
Contractor/Supervisor Training
Course (40 hours)

State of Minn. Department of
Health Asbestos Abatement
Site Supervisor

OSHA training for Hazardous
Waste Operations and
Emergency Response

Annual 8-Hour OSHA
Refresher Course for Working
at Hazardous Sites

PROFESSIONAL AFFILIATIONS:

State of Florida Water Well
Contractor #11110

The National Groundwater
Association

PROFESSIONAL EXPERIENCE:

Mr. Ersland is the Department Manager of the Geotechnical and Environmental Drilling Division for each of our office locations - Miami Dade, Palm Beach, and St. Lucie Counties. This division includes ~10 technical field personnel and a fleet of 3 truck mounted drill rigs and 1 track rig.

Mr. Ersland's duties include project planning, proposal and contract preparation and execution of requested services as well as client development and interaction. He has *twenty* years of experience and has coordinated projects requiring standard penetration test borings (SPTs), auger borings, rock coring and double ring infiltration tests. Mr. Ersland oversees projects concerning the installation of monitoring wells, recovery wells, vapor extraction wells and air sparge wells; well abandonment, air lifting and South Florida Water Management District and Florida Department of Transportation (FDOT) exfiltration tests. Clients for these projects include, but are not limited to, public and private entities which includes different Engineering and Public Work Departments, Water and Sewer Departments and Roadway Divisions; the FDOT; and land developers. Mr. Ersland is familiar with permit acquisition procedures for the South Florida Water Management District, State of Florida Department of Health and Rehabilitative Services and the FDOT.

Mr. Ersland is OSHA health and safety trained and responsible for the oversight and implementation of safety procedures of his field personnel. He ensures that proper safety precautions are used by his personnel, and that proper sample handling techniques maintain the integrity of the samples.

PROJECT EXPERIENCE:

- City of Hollywood: Young Circle parking & traffic improvement project, Garfield Street parking garage, Charnow Park, Dowdy Field, Rotary Park improvements, raw water piping Floridian, water main replacement program, multiple lift stations (inc. A-3, A-5, A-8, W-6, W-17)
- City of Coconut Creek:
 - Sabal Pines Park Boardwalk
 - Coconut Creek Engineering Building Expansion
- City of Tamarac, projects include:
 - Canal Improvement Phase V1, 2 sites (Culvert bulkhead improvements)
 - Proposed Mid-Walk Crosswalks and Mast Arms @ North Pine Island Road and NW 57th Street
- City of Hallandale Beach, projects include:
 - Hallandale Beach Stormwater 44 Year CDBG Program (Various sites)
 - SW-SE Hallandale Beach Drainage Improvements, between South Dixie Highway & SW 8th Avenue & SW 4th Street to SW 14th Street
 - Fire Station #7: Drainage evaluation

Jeffrey Cooner, PLS



Summary of Experience

Mr. Cooner is renowned throughout the state of Florida for his expertise in sovereignty submerged lands surveys (mean high water and ordinary high water) and terrestrial LiDAR scanning (3D LASER scanning). He is also highly sought after for his expert witness testimony, specifically known for his current and historical aerial photography interpretation. Mr. Cooner is highly experienced in managing large land projects involving multiple disciplines and consultants. He has provided boundary or special purpose surveys for dozens of sections of land requiring use of government retracement procedures. His boundary and topographic survey experience include projects on environmentally sensitive lands for SFWMD, SWFWMD and FDEP including: topographic surveys of Jack's Branch/Jack's Branch Slough, Flatwoods Recreational Area, Babcock Ranch and Bass Ranch. He was responsible for the survey of 90 water access parcels in Lee County on Gasparilla, Captiva, Pine Island, Estero and Hickory Islands.

Mr. Cooner has managed the acquisition and evaluation of aerial ortho-photographs, digital aerial, color infra-red imagery, aerial topographic and LIDAR data throughout most counties in South Florida. From 1994 to the present, he was contract manager and project manager for statewide FDEP land acquisition and land management work involving complex boundary surveys, upland/wetland delineation, title research, subcontracting surveys and professional quality assurance / quality control (QA/QC) reviews of consultant's surveys for compliance with FDEP acquisition criterion and minimum technical standards (now Professional Standards of Practice). Projects include: color-infrared orthophotography quality control for 12 counties in Florida including Lee, Charlotte, Glades and Hendry Counties; aerial LiDAR ground control, vegetated and bare earth checks for many counties in the SWFWMD; FFWCC Addition and Inholding Babcock Cecil Webb WMA land acquisition survey of USDA/Smith parcel; professional surveying and mapping review services for 75 sections and 43,000 acres of Babcock Ranch in Lee and Charlotte counties.

Mr. Cooner has analyzed historic aerial photography, hydrographic records, soils, vegetation, and elevation information to determine/review the approximate ordinary high water line for acquisition and other purposes on parts of Lake Cypress, Lake Kissimmee, Lake Rosalie, Lake Walk-In-The-Water, Lake Pierce, Lake Istokpoga, Lake Louisa, Lake Jessup, Mud Lake, Mullet Lake, Thornhill Lake, Kissimmee River, Reedy Creek, Dead River, Oklawaha River, Middle Chipola River, Tiger Creek, Walk-In-The-Water Creek, Catfish Creek, Apalachicola River, Withlacoochee River, St. Johns River, Lake Poinsett and Lake Hancock. He has managed and coordinated the field surveying, photogrammetry and office mapping of design surveys for hundreds of miles of water, sanitary sewer and force main lines for Charlotte, Desoto, Lee and Sarasota counties, City of Cape Coral, and the City of Sanibel potable water, wastewater and roadway expansion projects. He has managed and provided quality control for three other companies and provided design surveys for the Charlotte County Wastewater

Current Position

Senior Principal - Survey / Project Manager

Years of Experience

39

Joined T2

January 1997

Education

BLS / Land Surveying / University of Florida / 1981

Professional Registrations

- PLS / FL / #4052 / 1984

Certifications / Specialized Training

- Utility Investigations for Professionals Certificate, Trenchless Technology Center, Louisiana Tech University, 2018
- Land Corner Retracement Camp: Florida Society of Land Surveyors
- Location Surveying & Right-of-Way Mapping Seminar: FDOT
- Responsibilities to Surveying & Boundaries: Walter G. Robillard
- Surveying in Florida: Dr. Joe Knetsch, 1993

Affiliations

- Florida Surveying and Mapping Society, Board of Directors
- Member Collier-Lee Chapter of the Florida Surveying and Mapping Society
- National Society of Professional Surveyors
- Surveying and Mapping Advisory Committee, University of Florida

Jeffrey Cooner, PLS

Expansion project and has managed the field surveys and right-of-way mapping of the FDOT Edison Bridge Replacement Project in Lee County and Mid-Point Bridge Corridor Project in Fort Myers and Cape Coral across the Caloosahatchee River. Mr. Cooner has a thorough understanding of the importance of thorough data collection, including subsurface utilities and the identification of existing title issues to minimize conflicts and delays during construction. As a result, Mr. Cooner is a valuable asset to design activities.

In 2001, Governor Jeb Bush appointed Mr. Cooner to the Florida Board of Professional Surveyors and Mappers. From 2003 to 2006, Mr. Cooner, as Chairman of the Rules Committee, held workshops and hearings throughout Florida to rewrite Florida's Minimum Technical Standards (MTS) for surveying and mapping. The new MTS went into effect in 2006. He was reappointed to the board in 2007 by Governor Charlie Crist. Mr. Cooner served as Chair of the Board from January 2008 until August 2010. Mr. Cooner also served on the Committee to assist the Board in the development of the current Professional Standards of Practice for Surveying and Mapping in Florida.

Significant Recent Projects

Fiddlesticks Water Main Replacement, Weston & Sampson, Lee County Utilities, Lee County, FL. Principal-In-Charge. Provided the design survey, three-dimensional surface and subsurface utility engineering for the Fiddlesticks Water Main Replacement project. This project encompassed 60,000 linear feet of laser scanning data collection within the rights-of-way and 200 +/- test holes and utility designation. Additionally, T2 Utility Engineers re-established rights-of-way and established horizontal and vertical project control. Five field crews were utilized to meet project deadlines.

Greater Pine Island Water Association – Island Avenue (Matlacha) Water Main Design Survey, Weston & Sampson, Lee County, FL. Contract Manager. This project's purpose was to provide a large design survey for proposed water main replacement within the Island Harbor subdivision. This project represents a large utility design right-of-way survey project with a compressed schedule. The project was successfully completed by the marriage of conventional and leading edge survey approaches (RTK Network GPS and LASER Scanning).

Yacht Club Colony Water Main Design, Weston & Sampson, Lee County, FL. Contract/Project Manager. T2 Utility Engineers' Southwest Florida Utility/Survey branch was contracted to provide a design survey for replacement of approximately 12,600 linear feet of water main along 12 separate roadway corridors and turnover of private utility to public ownership by Lee County's utility engineer. The project tasks included Mr. Cooner communicating with Lee County's attorney regarding specific survey issues with potential to hinder the project's goals and/or timetable.

Estero Boulevard Improvements Design Survey/LASER Scan, Lee County, FL. Contract Manager. A phased reconstruction of a County roadway within the Town of Fort Myers Beach. Project components include adding trolley stops, bike lanes and sidewalks on both sides of the corridor and replacement of City water lines and County sewer lines. Professional surveying consultant responsibilities include: recover or re-establish project alignment; setting aerial targets; locating all above ground features and improvements; collecting required data for the purpose of creating a DTM; obtain roadway cross-sections/profiles and side street surveys (up to 75' down each intersecting street).

Southwest Florida International Airport (RSW) Airside Rehabilitation, Lee County, FL. Contract Manager. T2 Utility Engineers provided a topographical survey for engineering design consisting of several taxiways, ramp and cargo areas. All data was collected utilizing multiple laser scanners. In addition, T2 Utility Engineers provided Subsurface Utility Engineering services within the same project limits. This work required both day and night work schedules and utilized five field crews to meet project deadlines.

Matlacha Pipeline Crossing Route Survey, Lee County, FL. Contract Manager. Design survey and right-of-way mapping for Lee County. Tasks included recovery of right-of-way monumentation along SR 78; locating above ground improvements and underground utilities at both ends of the bridge abutment for design data.

Stephen K. Seeley, P.S.M.

President

Gibbs Land Surveyors – Hollywood, FL

Education:

University of Miami
Coral Gables, FL, 1974

Registration:

Professional Surveyor and
Mapper No. LS4574
State of Florida, 1988

Areas of Expertise:

Survey-Grade GPS
High Precision Control
Subdivision Surveying
Boundary & Topographic
Surveying

Years Total: 40

Professional References:

1. Stephen Vrabel, P.S.M.
954-868-1553
2. Charles Buckalew, P.E.
954-558-1189
3. John Doogan, P.S.M.
561-392-2594

Mr. Seeley has over 40 years of experience in the field of Land Surveying, including boundary and topographic surveying, subdivision construction layout, survey project management, field and office team management and special survey projects coordination for FDOT and SFWMD contracts. He has acquired most of his experience in Broward County and has over 20 years experience in the Hollywood area. Having a command of current technologies, he is well qualified in the use of survey-grade GPS and Digital Data Collection.

Relevant Experience:

Trimble Navigation Ltd. – Trained at Trimble, Sunnyvale California in the use of survey-grade, GPS, Carrier Phase Dual-Frequency Static, Real-Time Kinematic and Code Phase mapping technology.

Everglades National Park – “Hole-In-The-Donut” invasive species eradication project for the National Park Service. Precise Leveling and Real-Time Kinematic(RTK) GPS was used in the mapping of invasive plants, the topographic survey of the surface after removal and scrape-down, and the mapping of indigenous plant species.

City of Miami Beach – “Beachwalk” on South Beach – Location of dunes and vegetation using RTK GPS for the mapping and construction of boardwalk extensions and crossings.

South Florida Water Management District – Specific Purpose Survey for litigation support, including Expert Witness Testimony, Boundary Surveys of District-owned Parcels, Topographic and As-built Surveys of Water Control Structures.

Coral Ridge Properties – Boundary and Topographic Surveys for original subdivision layout, construction layout for roads and utilities. These subdivisions comprise all lands west of University drive, north of the C-14 canal and south of Royal Palm Drive in the City of Coral Springs.

Coral Ridge Properties (continued) – Lands in the City of Coral Springs north of Wiles Road from Riverside Drive West to the Sawgrass Expressway – Topographic Survey of 3000 acres for subdivision design.

Broward County Expressway Authority - Control and Right-of-Way Surveying for construction of the Sawgrass Expressway. Post-Construction hydrographic and cross-sections of perimeter canals for litigation forensic study.

Florida Department of Transportation – Harrison Tract-Mitigation Banking – Topographic, As-built and Precise Leveling for a 200 acre crocodile habitat. Construction Monitoring and restoration mapping utilizing RTK GPS. Included in this project was topographic survey and lake soundings (hydrographic surveying) for fill quantity and forensic study.

Miami-Dade County Aviation Department – Provided high-precision control using Static GPS and various other GPS and Topographic services for Miami International and General Aviation airports.

National Oceanographic and Atmospheric Administration-(NOAA) – Established underwater survey-grade control for Mapping coral reef damage at Looe Key Coral Reef Preserve.

City of Coral Springs – Dells / Meadows Drainage Study Providing the City and its Civil Engineer full Topographic Survey data, including drainage structures, swales, roads, driveways and visible utilities – currently surveying individual “basins” or design segments on an as-funded basis. These two subdivisions are the oldest in the City, and the original storm water design is failing. The survey data is providing accurate horizontal and vertical data that can also benefit the City’s GIS program, providing these current as-built conditions.



Archaeological and Historical Conservancy, Inc.

4800 S.W. 64th Ave, Suite 107 Davie, FL 33314

Phone: 954-792-9776 Fax: 954-792-9954

Email: archlgcl@bellsouth.net Web: www.flarchaeology.com

Robert S. Carr

Education

August 1976	Florida State University, Tallahassee, Florida. • M.S. Degree in Anthropology
August 1972	Florida State University, Tallahassee, Florida. • B.A. Degree in Anthropology
1970 – 1971	University of Miami, Coral Gables, Florida. • Course Work
June 1968	Miami-Dade Junior College, Miami, Florida. • A.A. Degree

Professional Experience

1999 – Present	Archaeological and Historical Conservancy, Inc. • Executive Director
1996 - 1999	Dade County Historic Preservation Division • Director
1994 - 1995	Dade County Division of Historic Preservation • Acting Director
1978 - 1999	Dade County Division of Historic Preservation • County Archaeologist
1980 - 1981	Florida Archaeological Council • President
1980 - 1983	<i>The Florida Anthropologist</i> • Editor
March 1977	U.S. Park Service, SE Archaeological Center, Tallahassee, Florida. • Archaeologist
1973 - 1976	Division of Archives History and Records Mgmt, Tallahassee, Florida. • Contract Archaeologist

Representative Projects (Principal Investigator)

2018	Search and recovery excavation at site of Missing Aircraft 13714, Zwickau District, Republic of Germany
2017	Closing field recovery excavation at site of Missing Aircraft 7070, S Tyrol District, Republic of Italy
2016	Monroe County updates assessment of cultural resources in the unincorporated Florida keys

2015	Archaeological Assessment of the Cutler Fossil Site, Miami-Dade County
1999 - 2003	Archaeological assessment and data analysis of Miami Circle (8DA12)
2000 - 2001	Archaeological investigation of Okeechobee Battlefield. Boundary
1992 and 2006	Preachers Cave, Eleuthera, Bahamas
1992	Archaeological Survey and Management Plan for the Town of Palm Beach
1991 - 2002	Ortona Canal and Earthworks, Glades County
2000 - 2001	Long Lakes (Broward County) archaeological investigations
1985 - 1991	Archaeological Survey of Broward County
1979 - 1981	Archaeological Survey of Miami-Dade County

Selected Reports and Publications

2016	Carr, Robert S. et al. Monroe County Cultural Resource Assessment Update, CLG Grant #F1503, Monroe County, Florida. <i>AHC Technical Report #1114</i> .
2004	Carr, Robert S., M.A., Ned Gordon, John G. Beriault, B.A. Archaeological Monitoring of Park Improvements and Hurricane Damage at Santa Lucea Park, Martin County, Florida. <i>AHC Technical Report #606</i> .
2003	Carr, Robert S., Mark Lance An Archaeological Survey of the Trapper Nelson Site, Jonathan Dickinson State Park Martin County, Florida. <i>AHC Technical Report #440</i> .
2003	Carr, Robert S., Alison Elgart-Berry, Victor Longo, Jeff Ransom Archaeological Survey of Palm Beach County, Florida. <i>AHC Technical Report #419</i> .
2001	Carr, Robert S., Alison Elgart-Berry, and Mark Lance Proposed Parking Area at Santa Lucea Park, Martin County, Florida. <i>AHC Technical Report #334</i> .
1998	Carr, Robert S., David Allerton and Ivan Rodriguez An Assessment of the Archaeological and Historic Resources of the Florida Keys, Monroe County. <i>AHC Technical Report #4</i> .
1995	Carr, Robert S., James Pepe, W.S. Steele and Linda Jester Archaeological Survey of Martin County, Florida. <i>AHC Technical Report #124</i>
1991	An Archaeological Survey of Broward County, Florida: Phase I. <i>AHC Technical Report #34</i>
1990	Carr, Robert S. and Patricia Fay An Archaeological Survey of the Lower Keys, Monroe County, Florida. <i>AHC Technical Report #19</i> .
1981	<i>Dade County Historic Survey Final Report: The Archaeological Survey</i> . Historic Preservation Division. Metro-Dade Office of Community and Economic Development.
1978	An Archaeological Survey of the Big Cypress National Preserve, Preliminary Report. National Park Service, Southeastern Archaeological Center, Tallahassee Florida. (Co-author).
1975	An Archaeological and Historical Survey of the City of Apalachicola. Report on file with Division of Archives, History and Records Management, Tallahassee, Florida.

Books and Articles

2012	<i>Digging Miami</i> University Press of Florida (September 30), Gainesville.
2012	“Ritual Cave Use in the Bahamas.” In <i>Sacred Darkness</i> . University of Colorado Press. (Senior author)

4. REQUIRED FORMS

Required forms and signed addenda are provided in the following pages.

Additionally, a copy of Kimley-Horn's most recent financial statement is provided in the "original" proposal only and in a separately sealed envelope.

INSURANCE REQUIREMENTS

The insurance policy shall not contain any exceptions that would exclude coverage for risks that can be directly or reasonably related to the scope of goods or services in this bid/proposal. A violation of this requirement at any time during the term, or any extension thereof shall be grounds for the immediate termination of any contract entered in to pursuant to this bid/proposal. In order to show that this requirement has been met, along with an insurance declaration sheet demonstrating the existence of a valid policy of insurance meeting the requirements of this bid/proposal, the successful proposer must submit a signed statement from insurance agency of record that the full policy contains no such exception.

The City reserves the right to require additional insurance in order to meet the full value of the contract.

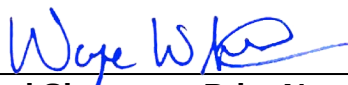
The City reserves the right to require any other insurance coverage it deems necessary depending upon the exposures.

HOLD HARMLESS AND INDEMNITY CLAUSE:

**See note below.*

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

Kimley-Horn and Associates, Inc.



Wayne White, P.E., Vice President

(Company Name and Authorized Signature, Print Name),

further certifies that it will meet all insurance requirements of the City of Hollywood and agrees to produce valid, timely certificates of coverage.

OTHER CONSIDERATIONS

Copies submitted may not be viewed until 30 days after opening date or notice of intent to award is posted.

This indemnity provision violates Florida statute 725.08. Please replace with the following or provide new language in conformance with the statute.

The Consultant agrees, to the fullest extent permitted by law, to indemnify and hold harmless the City, its officers, directors and employees (collectively, City) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the Consultant's negligent performance of professional services under this Agreement and that of its subconsultants or anyone for whom the Consultant is legally liable.

EQUAL EMPLOYMENT OPPORTUNITY

Proposer shall provide a written statement that it does not and will not discriminate against any person, employee, or applicant for employment, because of race, creed, color, religion, sex, national origin, ancestry, age or disability.

PROMPT PAYMENT: LATE PAYMENTS BY CONTRACTOR TO SUBCONTRACTOR AND MATERIAL SUPPLIERS; PENALTY:

When a contractor receives from the City of Hollywood any payment for contractual services, commodities, materials, supplies, or construction contracts, the contractor shall pay such moneys received to each Subcontractor and Material Supplier in proportion to the percentage of work completed by each Subcontractor and Material Supplier at the time of receipt. If the contractor receives less than full payment, then the contractor shall be required to disburse only the funds received on a pro rata basis with the Subcontractors and Material Suppliers, each receiving a prorated portion based on the amount due on the payment. If the contractor without reasonable cause fails to make payments required by this section to Subcontractors and Material Suppliers within 15 working days after the receipt by the contractor of full or partial payment, the contractor shall pay to the Subcontractors and Material Suppliers a penalty in the amount of one percent of the amount due, per month, from the expiration of the period allowed herein for payment. Such penalty shall be in addition to actual payments owed. Retainage is also subject to the prompt payment requirement and must be returned to the Subcontractor or Material Supplier whose work has been completed, even if the prime contract has not been completed. The Contractor shall include the above obligation in each subcontract it signs with a Subcontractor or Material Supplier.

ADA COMPLIANCE

Persons with disabilities who require reasonable accommodation to participate in City programs and/or services may call the Equal Opportunity Manager, Office of Human Resources and Risk Management at (954) 921-3218 (voice). If an individual is hearing or speech impaired, please call Florida Relay Service 1-800-955-8771.

PUBLIC ENTITY CRIMES

"A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list."

DECLARATION

The aforementioned, as Proposer (herein used in the masculine singular, irrespective of actual gender and number), declares, under oath that no other person has any interest in this Proposal or in any resulting agreement to which this Proposal pertains, that this Proposal is not made with connection or arrangement with any other persons, and that this Proposal is made without collusion or fraud.

The Proposer further declares that he has complied in every respect with all the instructions to Proposers, that he has read all addenda, if any, issued prior to the opening of Proposals, and that he has satisfied himself fully relative to all matters and conditions with respect to the general conditions of the agreement and all relevant information to which this proposal pertains.

DISCLOSURE OF CONFLICT OF INTEREST

Vendor shall disclose below, to the best of his or her knowledge, any City of Hollywood officer or employee, or any relative of any such officer or employee as defined in Section 112.3135, Florida Statutes, who is an officer, partner, director or proprietor of, or has a material interest in the vendor's business or its parent company, any subsidiary, or affiliated company, whether such City official or employee is in a position to influence this procurement or not.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City of Hollywood Purchasing Ordinance.

Name

Relationship

In the event the vendor does not indicate any name, the City shall interpret this to mean that no such relationship exists.

THIS SHEET MUST BE SIGNED

RESPONDENT CHECK LIST

I M P O R T A N T: Please read carefully, sign in the spaces indicated and return with your Submittal.

Respondent should check off each of the following items as the necessary action is completed:

1. The Submittal has been signed.
2. Any required descriptive literature, etc. have been included.
3. Any information required is included.
4. Any addenda have been signed and included.
5. The mailing envelope has been addressed to:
Office of the City Clerk
City of Hollywood
P.O. Box 229045.
Hollywood, FL 33022-9045
6. The mailing envelope must be sealed and marked with Submittal Number, Submittal Title and Due date.
7. The Submittal will be mailed or delivered in time to be received no later than the specified due date and time. Otherwise Submittal cannot be considered.)
8. Submittal includes:
 - a) Statement of current and projected workload
 - b) List of sub-consultants
 - c) Auditor's letter
 - d) Organizational chart
 - e) Litigation
 - f) Project schedule

ALL COURIER-DELIVERED STATEMENTS OF QUALIFICATIONS MUST HAVE THE RFQ NUMBER AND TITLE ON THE OUTSIDE OF THE COURIER PACKET

Company Name:

Kimley-Horn and Associates, Inc.

Signature and Title:



Juan Jimenez, P.E., Project Manager

Date:

May 26, 2020

PROJECT SUBMITTAL

FROM: Kimley-Horn and Associates, Inc.
355 Alhambra Circle, Suite 1400
Coral Gables, FL 33134

DATE: May 26, 2020

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

RE: RFQ NO. 20-8532

To Whom It May Concern:

The undersigned, as Respondent, hereby declares that we have examined the Scope of Services and informed ourselves fully in regard to all conditions pertaining to the work to be done for the City of Hollywood's Consulting Services Contract – Wastewater Master Plan Update. The Respondent further declares that the only persons, company or parties interested in this Submittal or the Contract to be entered into as principals are named herein; that this Submittal is made without connection with any other person, company or companies making a Submittal; and it is in all respects fair and in good faith, without collusion or fraud.

The service to be furnished by us is hereby declared and guaranteed to be in conformance with the specifications of the City.

The undersigned agrees that should this Submittal be accepted, to execute the contract and present the same to the City for approval within twenty (20) days after being notified of the awarding of the contract.

The undersigned further agrees that failure to execute and deliver said forms of contract within twenty (20) days, will result in damages to the City.

IN WITNESS WHEREOF, I have hereunto subscribed my name on this
26th day of May, 2020, in the County of
Orange, in the state of Florida.

Kimley-Horn and Associates, Inc.

Respondent's Firm or Trade Name

Corporation Sole Proprietorship, Partnership (Circle One)

Phone No.: 305.673.2025

Address 355 Alhambra Circle, Suite 1400

City and State Zip Coral Gables, FL 33134

BY:

Wayne White, P.E.

Typed and Written Signature

Vice President

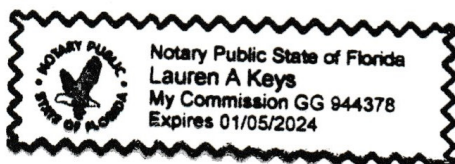
Title

By the means of ☒ physical appearance or ☐ online notarization.

Lauren A. Keys

Notary Public, State of Florida

Notary Seal



ACORDTM**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

3/28/2020

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

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

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022		CONTACT NAME: Jerry Noyola PHONE (A/C, No, Ext): 770-552-4225 E-MAIL ADDRESS: jerry.noyola@greyling.com FAX (A/C, No): 866-550-4082	
		INSURER(S) AFFORDING COVERAGE INSURER A : National Union Fire Ins. Co.	NAIC # 19445
INSURED Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601		INSURER B : Aspen American Insurance Company INSURER C : New Hampshire Ins. Co. INSURER D : Lloyds of London INSURER E : INSURER F :	43460 23841 85202

COVERAGES**CERTIFICATE NUMBER: 20-21****REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC OTHER:			5268169	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☒ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS NON-OWNED AUTOS ONLY			4489663	04/01/2020	04/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☐ UMBRELLA LIAB ☒ EXCESS LIAB ☒ RETENTION \$ 0			CX005FT20	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? ☒ Y / ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			015893685 (AOS) 015893686 (CA)	04/01/2020 04/01/2020	04/01/2021 04/01/2021	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liab incl. Poll. Liab.			B0146LDUSA2004949	04/01/2020	04/01/2021	Per Claim \$2,000,000 Aggregate \$2,000,000

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

CERTIFICATE HOLDER**CANCELLATION**

Sample Certificate

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE





CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION

1621 N. 14th Avenue
Hollywood, FL 33019
Phone (954) 921-3930 Fax (954) 921-3591

ADDENDUM NUMBER 1

Date: **May 6, 2020**

**FOR: REQUEST FOR STATEMENTS OF QUALIFICATIONS (RFQ)
DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES FOR BACKUP
ELECTRICAL POWER GENERATORS FOR SEWER LIFT STATIONS E-01, E-03,
E-06, W-14, W-15 & STORMWATER PUMP STATION SW-08**

FILE NUMBER: **20-8532**

ALL RESPONDENTS BE ADVISED OF THE FOLLOWING CHANGES TO THE ABOVE REFERENCED PROJECT AS LISTED BELOW:

This addendum is issued as part of the RFQ package for the above described project. The changes incorporated in this addendum shall be considered as a part of the documents and shall supersede, amend, add to, clarify, or subtract from those conditions shown in the original documents dated April 2020. The respondent shall coordinate all modifications herein with all trades and disciplines related to the RFQ package. **The respondent shall acknowledge receipt of this addendum per Item No. 4 of the "Respondent Check List" included in this addendum.** Failure to do so may subject Respondent to disqualification.

Item 1: NOTICE OF REQUEST FOR STATEMENTS OF QUALIFICATIONS

The signed date for the *NOTICE OF REQUEST FOR STATEMENTS OF QUALIFICATIONS* form has been revised. The revised form is attached.

ALL OTHER TERMS AND CONDITIONS IN THE RFQ PACKAGE SHALL REMAIN THE SAME.

Clece Aurelus, P.E.
Interim Assistant Director
Department of Public Utilities
City of Hollywood

NOTICE OF REQUEST FOR STATEMENTS OF QUALIFICATIONS

DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES FOR BACKUP ELECTRICAL POWER GENERATORS FOR SEWER LIFT STATIONS E-01, E-03, E-06, W-14, W-15 & STORMWATER PUMP STATION SW-08

NOTICE IS HEREBY GIVEN that the City Commission of the City of Hollywood, Florida is advertising for statements of qualifications for the above-named professional services in accordance with Section 287.055, F.S. ("Consultant's Competitive Negotiation Act". The statements of qualifications will be received by the City Clerk of the City of Hollywood, Florida, on or before (but not later than) 2:00 PM Local Time on Thursday, May 28, 2020. The office of the City Clerk is located at City Hall, 2600 Hollywood Boulevard, Room 221, Hollywood, Florida, 33020. On May 28, 2020 at 2:30 PM, the names of the companies submitting statements of qualifications will be read publicly at the Southern Regional Wastewater Treatment Plant, 1621 N. 14th Avenue, ECSD 1st floor Conference Room, Hollywood, Florida, 33020.

Questions shall be submitted in writing via email by no later than Monday, May 18, 2020; Attention: Vernal Sibble, P.E. (vsibble@hollywoodfl.org). The telephone number for general information is (954) 921-3930.

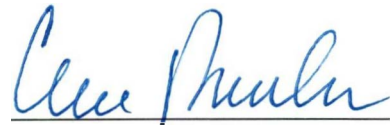
It will be the sole responsibility of the Respondent to deliver personally, or by mail, his/her submittal on the completed Submittal Form to the Office of the City Clerk, at City Hall on or before the closing hour and date for the receipt of Documents as noted above. If a submittal is sent by mail, the Respondent shall be responsible for its delivery to the City Clerk's Office before the closing hour and date shown above for the receipt of the statements of qualifications. If the mail is delayed beyond the hour and date set forth above for the receipt of the statements of qualifications, the delayed submittal will not be considered and will be returned unopened.

A Cone of Silence is in effect with respect to this Request for Qualifications. The Cone of Silence prohibits certain communications between potential Respondents and/or Vendors and the City. For further information, please refer to Section 30.15(F) of the City of Hollywood Code of Ordinances.

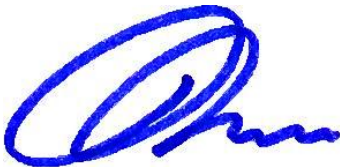
The City of Hollywood is strongly committed to ensuring the participation of local Hollywood vendors in the procurement of goods and services. For additional information about the City's Local Preference Ordinance, visit www.hollywoodfl.org.

The City Commission reserves the right to reject any or all submittals, to waive informalities and to accept or reject all or any part of any submittal, as it may deem to be in the best interest of the City of Hollywood, Florida.

Dated this 29th day of April 2020.



CLECE AURELUS, P.E.,
INTERIM ASSISTANT DIRECTOR
DEPARTMENT OF PUBLIC UTILITIES
CITY OF HOLLYWOOD



Juan Jimenez, P.E., Project Manager
Received by Kimley-Horn and Associates, Inc.
5/6/2020



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION**

1621 N. 14th Avenue
Hollywood, FL 33019
Phone (954) 921-3930 Fax (954) 921-3591

ADDENDUM NUMBER 2

Date: **May 20, 2020**

**FOR: REQUEST FOR STATEMENTS OF QUALIFICATIONS (RFQ)
DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES FOR BACKUP
ELECTRICAL POWER GENERATORS FOR SEWER LIFT STATIONS E-01, E-03,
E-06, W-14, W-15 & STORMWATER PUMP STATION SW-08**

FILE NUMBER: **20-8532**

ALL RESPONDENTS BE ADVISED OF THE FOLLOWING CHANGES TO THE ABOVE REFERENCED PROJECT AS LISTED BELOW:

This addendum is issued as part of the RFQ package for the above described project. The changes incorporated in this addendum shall be considered as a part of the documents and shall supersede, amend, add to, clarify, or subtract from those conditions shown in the original documents dated April 2020. The respondent shall coordinate all modifications herein with all trades and disciplines related to the RFQ package. **The respondent shall acknowledge receipt of this addendum per Item No. 4 of the "Respondent Check List" included the RFQ.** Failure to do so may subject Respondent to disqualification.

Item 1: NOTES RELATED TO RELEVANT REQUEST RECEIVED FROM POTENTIAL RESPONDENTS

1. I'm seeking information regarding the project in the subject line, have you selected an architect or engineer? Also seeking scope details, value, and bidding construction timeline information.

Response: *The purpose of the RFQ is to seek a qualified engineers. As stated in the RFQ, two (2) qualified candidates will be selected. Scope details will be provided to those candidates.*

2. Will there be a pre-submittal walk through of the site for the referenced RFP?

Response: *No.*

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ADDENDUM NUMBER 2

3. May some of our reference/example projects included in our submittal be those completed by our major subconsultant?

Response: Yes

4. Do you anticipate extending the bid due date?

Response: No

5. What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?

Response: *Sufficient details have been provided in the RFQ. As stated in the RFQ, the qualifications of the bidders will be reviewed and two (2) candidates will be selected.*

6. Other than your own website, where was this bid posted?

Response: Demandstar.com

7. Was this bid posted to the nationwide free bid notification website at www.mygovwatch.com?

Response: No.

Item 2: DELIVERY OF RFQ PACKAGE

1. To assist in mitigating the 2019 Novel Coronavirus (COVID-19) potential exposure and transmission risks, City Clerk is not accepting personal delivery at this time. All RFQ packages need to be mailed to City Clerk of the City of Hollywood, or delivered to Records and Archives located in the Annex building on the west side of City Hall, 2600 Hollywood Boulevard, Hollywood, Florida, 33020. It is recommended that a delivery confirmation email be sent to the Project Manager, Vernal Sibble, P.E. (vsibble@hollywoodfl.org) after you drop off the packages but before 2 PM on the submittal date stated in the RFQ.



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ADDENDUM NUMBER 2

Item No. 3 CLARIFICATIONS

1. The Demandstar website "Bid Details" portal refers to the Bid Type as a "Request for Proposal" and the Bid ID is shown as "RFP-20-8532-1-2020/VS".

Response: *These are errors. In fact, the "Scope of Work" paragraph, on the portal, refers correctly to the intent of the subject request as a "Request for Statement of Qualifications". This is supported by the content of the request-it is one for qualifications. The City apologizes any inconvenience caused by this error.*

ALL OTHER TERMS AND CONDITIONS IN THE RFQ PACKAGE SHALL REMAIN THE SAME.

Clece Aurelus, P.E.
Interim Assistant Director
Department of Public Utilities
City of Hollywood

Juan Jimenez, P.E., Project Manager
Received by Kimley-Horn and Associates, Inc.
5/20/2020