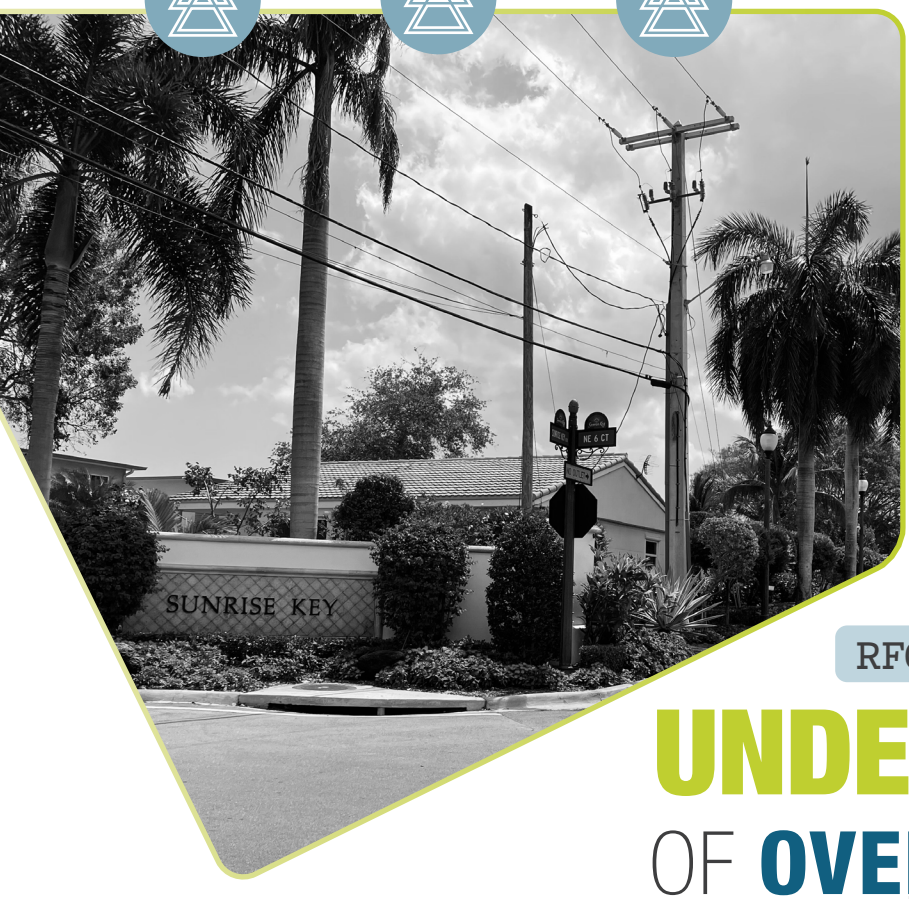


City of Fort Lauderdale

RFQ/Event #135

Citywide

UNDERGROUNDING OF OVERHEAD UTILITIES

Professional Engineering and Program Support Services

Kimley»Horn

Expect More. Experience Better.

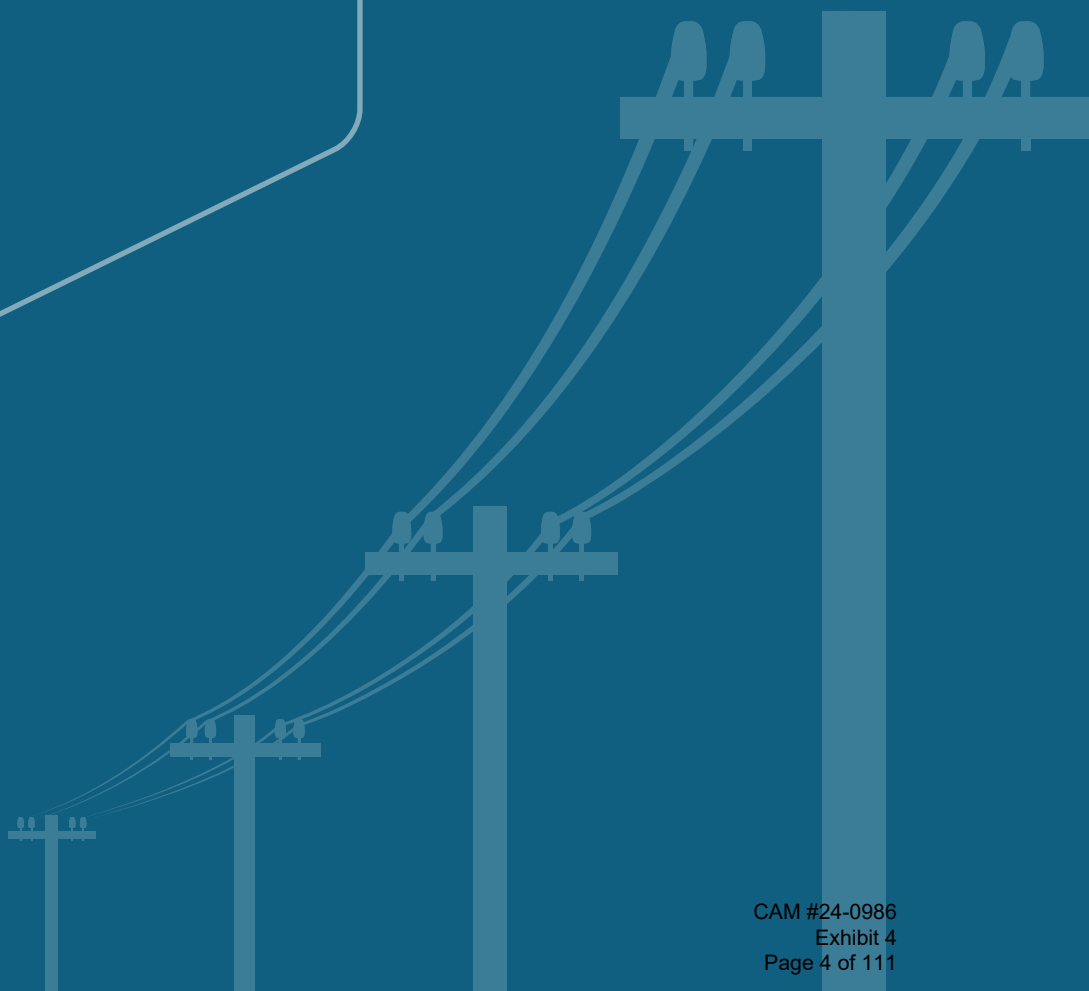
TAB 1

Table of Contents

1. Table of Contents

TAB 2

Executive Summary



2. Executive Summary

March 22, 2024

RE: Citywide Undergrounding of Overhead Utilities – Professional Engineering and Program Support Services; RFQ Event #135

TO:
Ms. Paulette Hemmings Turner,
Senior Procurement Specialist
City of Fort Lauderdale
Procurement Services Division
1E Broward Boulevard, Suite 444
Fort Lauderdale, FL 33301

FROM:
Kimley-Horn and Associates, Inc.
8201 Peters Road
Suite 2200
Plantation, FL 33324

REQUIRED INFORMATION:

Business Entity: Kimley-Horn and Associates, Inc.

Background: Full-Service Consulting (including undergrounding of utilities)

Main Office: Raleigh, NC (Corporate Headquarters)

Office That Will Service This Contract: Plantation, FL; West Palm Beach, FL

Officers, Principals, Supervisory Staff and Key Individuals: Brett Johnson, P.E. (West Palm Beach); Marissa Maring, P.E. (Plantation); and Kevin Schanen, P.E. (West Palm Beach). A full list of the team members who will serve the City of Fort Lauderdale on this contract is included on the organizational chart on page 26.

Dear Ms. Hemmings Turner and Members of the Selection Committee:

The burial of overhead utilities is transformative for a community – both functionally and aesthetically. The projects that fall under this contract will help make downed power lines in the aftermath of a hurricane a thing of the past. Through this initiative, the City of Fort Lauderdale will become a more resilient community, one that is safer during and after storm events and able to reap the economic benefits of getting back to business sooner after these damaging events. Additionally, no longer will masses of poles, wires, and equipment dominate the skyline and the absence of those facilities will allow the natural beauty of the Florida landscape to grow unencumbered by utility owner maintenance tree trimming. Every neighborhood that enacts an undergrounding project will benefit from this contract's lasting impact.

To execute this challenging project, the City needs a consultant team they can trust – one who listens, understands, and has the local talent and proven experience to plan, design, and execute utility undergrounding projects efficiently and cost-effectively. **Kimley-Horn** is that consultant. We have been an instrumental part of undergrounding efforts for a number for South Florida communities and are best suited to serve as your consultant. Our dedicated staff of engineers specializes in overhead to underground utility conversion projects and has a proven implementation approach. We offer the City the following advantages on this contract**:**

EXTENSIVE EXPERIENCE. For 57 years, Kimley-Horn has provided municipal clients with innovative ideas and services for their infrastructure needs. Our local reputation as problem solvers and developers of implementable and constructible designs has made us the engineering consultant of choice for many communities in Broward, Palm Beach, and Miami-Dade counties. We have extensive experience with undergrounding projects here in South Florida and are excited about the opportunity to provide you with planning, design, and construction phase services similar to the utility conversion programs we are designing and implementing locally such as those in the Town of Palm Beach and the Village of Key Biscayne. We've also provided successful undergrounding services as part of larger streetscape improvements in Fort Lauderdale on the Breakers Avenue Streetscape Improvement project, and in several other local communities including Miami, West Palm Beach, Lake Worth Beach, Delray Beach, and Boynton Beach. Kimley-Horn has delivered the outcomes that these clients expect – projects that can be successfully developed, permitted, and built on time and within budget.

ABILITY OF PROFESSIONAL PERSONNEL. We present to you a team of trusted partners for this contract. Led by our seasoned project manager, **Brett Johnson, P.E.**, our team is ready to jump in and plan, design, and execute the City's undergrounding needs from beginning to end and meet your time and budget requirements. The City will benefit from the strength and resources that only a national firm like Kimley-Horn can provide coupled with the relationships and knowledge that only a local firm can possess. Our subconsultant team includes firms that offer services to complement our extensive internal capabilities. **Avirom & Associates** will deliver surveying services, **InfraMap Corp.** will provide subsurface utility locating (SUE services), geotechnical engineering services will be handled by **Terracon Consultants**, **Waypoint Engineering and Equipment** will provide electrical engineering services, **SEARCH** offers our team cultural resources services, and **Raftelis** brings assessment services to our team. Waypoint is a specialty firm who we are currently working with in Palm Beach and Key Biscayne for assistance with commercial service design—the firm is led by a former Florida Power & Light (FPL) distribution engineer and has worked on a number of underground conversion projects in coastal communities in South Florida.

ON-TIME AND WITHIN-BUDGET DELIVERY OF OUR PROVEN TECHNICAL APPROACH. Kimley-Horn will work with the City to define project scoping, implementation, scheduling, management, budgetary monitoring, and quality assurance. We will provide all team members with our approved project management plan that includes the agreed-upon scope of services, project schedule, and a list of critical milestones. Our schedule will be updated regularly to ensure progress is continuously being made. Our project management plan is developed to immediately take corrective actions when needed to keep the project on schedule. Our technical approach to overhead to underground conversion projects is being actively implemented with much success in the Town of Palm Beach. Experience like this has prepared us to develop a project success strategy that is tailored to the specific needs of Fort Lauderdale. We will employ the successful strategies of past projects and incorporate lessons learned and we will leverage our relationships with key personnel at each of the utility providers to facilitate the design and installation of the work. Kimley-Horn offers the City of Fort Lauderdale the services that have been identified in the RFQ and the undergrounding experience to leverage those services effectively:

- Master Planning
- Utility Provider Coordination
- Assessment Methodologies
- Public Involvement
- GIS Mapping
- Surveying
- Geotechnical Engineering
- Subsurface Utility Locating
- Easement Acquisition
- Detailed Design
- Commercial Service Design
- Street Lighting Design
- Landscape Architecture
- Construction Phase Services

A COMMITMENT TO SUCCESS. With Kimley-Horn, the City gets a group of professionals dedicated to the success of the projects that will fall under this contract and who genuinely look forward to collaborating with the communities and residents we serve. Drawing on our many years of local experience and successes, combined with our unmatched knowledge of the underground conversion process, we will develop a plan for each task together with you to implement projects while considering the needs of the neighborhoods, overcoming the constraints that exist, and responding adeptly to change as it inevitably comes. We appreciate this opportunity and look forward to serving as your consultant on this contract.

Kimley-Horn has delivered more than 225 projects and work orders for the City of Fort Lauderdale over the past two decades.

Very truly yours,
KIMLEY-HORN AND ASSOCIATES, INC.

Brett Johnson, P.E.	**Marissa Maring, P.E.**	**Gary Ratay, P.E.**
Project Manager	Deputy Project Manager	Principal-in-Charge

Note: As a vice president with Kimley-Horn, Gary Ratay, P.E. is authorized to bind the firm on this contract.

Kimley»Horn

Certificate of Secretary

To Whom It May Concern:

I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

The following is a true copy of a resolution duly adopted by the Board of Directors of the corporation at the Board meeting held on December 14, 2023 and entered in the minutes of such meeting in the minute book of the corporation.

"The Board unanimously approved the contract signing authority of employees as presented." (Copies of the employee lists as presented are enclosed.)

The resolution is in conformity with the articles of incorporation and bylaws of the corporation, has never been modified or repealed, and is now in full force and effect.

Dated: March 21, 2024

Richard N. Cook, Secretary

(corporate seal)

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 14, 2023

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

ATLANTIC

BALTIMORE CITY
Falk, Katherine W.
Kraft, Jonathan H.
Miller, Sean T.
Smith, Jeff B.

BALTIMORE COUNTY
Leffner, Nicholas J.
Hutton, Heather

BOSTON
Jacques, Christopher
Keegan, Katherine A.

CHARLOTTESVILLE
Oliver, Jonathan H.

HARRISBURG
Bankert, Larry I.
McGinley, Steve M.

LOUDON
Bollinger, Kyle T.
Giffin, Geoffrey D.

NORTHERN VIRGINIA
Carter, Erica V.
D'Alessandro, Jonathan J.
Elman, Paul D.
Howell, Christopher M.
Kauppila, John L.
Koopman, Jennifer R.
Lefton, Steven E.
Millot, Sean M.
Murphy, Erin M.
Musson, David B.
Prunty, Robert W.
Samba, David B.
Sauro, Thomas J.
Schrader, Carly N.
Smith, Andrew T.
Stevens, Ross S.
Teague, M. Zach
Whyte, Richard D.

PHILADELPHIA CENTER CITY
Harmon, Amanda R.
Hughes, Paul W.
Morgan, Taylor M.

PITTSBURGH
Beaves, Adele M.
Beduhn, Tyler J.
Moldovan, William

PRINCETON
Diggan, Tony W.
Gibson, Adam T.

RICHMOND
Chance, Maxwell P.
Crum, Katie E.
Dougherty, Sean P.
Harrell, Matthew T.
Heustess, Aaron M.
Hill, Corey W.
Lickliter, Ashley C.
McCray, Danielle R.
McPeters, Brian A
Perkins, Ryan R.
White, Timothy E.

VIRGINIA BEACH
Chambers, Jon S.
Dallman, David B.
Davidson, Scott O.
Farthing, Andrew P.
France, William D.
Funk, Gerald S.
Holland, Kimberly R.
Holland, Stephen R
Mackey, William F.
Mertig, Karl E.
Miller Edward W.
Moser, Emily A.
Niss, Robyn M.
Royal, Jack R.
Schmitt, Gregory H.
Votava Charles F.
Wharton, Michelle L.
Williams, Kyle D.
Yee, Leong Wee

WHITE PLAINS
Canning, Thomas J.
Van Hise, Kevin A.

CALIFORNIA

LONG BEACH
Hewitt, Melissa A.
Phillips, Chad E.

LOS ANGELES
Chakravarthy, Srikanth
Duong, Danh
Fares, Jean B.
Kyle, Gregory S
Phaneuf, Alyssa S.
Ranta, Shahrzad

OAKLAND
Akwabi, Kwasi
Colety, Mike D.
Dankberg, Adam J.

ORANGE
Adrian, Darren J.
Bossu, David M.
Glaze, Jacob S.
Kerry, Nicole M.
Matson, Jason B.
Marechal, Jason A.
Melchor, Jason J.
Melvin, M. Pearse

PLEASANTON
Durrenberger, Randal R.
Johnson, Miles R.
Mehta, Parag G.
Mowery, Michael C.
Sowers, Brian E.

RIVERSIDE
Cowan, Eugene D.
Pollock, John A.

SACRAMENTO
Melvin, Enda
Pittalwala, Fareed S.
Schmitt, Michael L.
Tait, Zachary T.
Weir, Matthew D.

SAN DIEGO
Barlow, Matthew T.
Becker, Justin S.
Harry, Jennifer L.
Kaltsas, Joseph D.
Madsen, Michael P.
McCormick, Matthew B.
McWhorter, Samuel L.
Podegracz, Anthony J.
Ulery, Megan R.
Valencia, Jason B.

SAN JOSE
Hamilton, Robert J.
Hedayat, Leyla
Venter Frederik J.

SAN MATEO
Pulliam, John E.

CAROLINAS

CHARLESTON
Guy, Jonathan R.

CHARLOTTE
Blakley, Jr., Stephen W.
Denney, Seth A.
Edwards, Matthew A.
Lewis, Ryan T.
Pattison, Paul G.
Racer, Joseph M.
Taylor, Benjamin S.

COLUMBIA
Iser, Christopher M.

DURHAM DOWNTOWN
Lewellyn, Earl R.

FORT MILL
Holcomb, John E.

RALEIGH
Adams, Richard C.
Barber, Barry L.
Beck, Chadwick W.
Brewer, Brian J.
Cochran, Adam P.
Cook, Richard N.
Deans, Neil T.
Flanagan, Tammy L.
Keil, Ashley R.
Kuzenski, John D.
Leverett, Christopher C.
Meador, Emily H.
Netzer, Lesley E.
Thompson, Erin K.

CENTRAL

DALLAS

Fraccaro, Joseph A.
Galloway, Steven D.
Gary, Glenn A.
Harris, Mark E.
Henrichs, Tyler B.
Hoppers, Kevin P.
Nathan, Aaron W.
Rader, Aaron K.
Samarripas, Anthony M.
Sulkowski, Nicholas E.
Williamson, Sarah T.

FORT WORTH
Arnold, Douglas M.
Arnold, Scott R.
Atkins, John R.
Hill, Bradley J.
James, Richard J.
Webb, Floyd C.

FRISCO
Brignon, Brit A.
Coppin, Thomas G.
McCracken, Paul D.
Dickey, Kyle A.

IRVING/LAS COLINAS
Ante, Louis N.

FLORIDA

BOCA-DELRAY
Webber, Jason A.
Haggerty, Jordan L.

FORT LAUDERDALE
Alam, Mudassar M.
Capelli, Jill A.
Dabkowski, Adrian K.
Emmons, Erin N.
Falce, Christopher T.
McWilliams, John J.
Ratay, Gary R.
Robertson, Stewart E.
Viola, Stefano F.

FORT MYERS
Bryant, M. Lewis
Clark, Kellie R.

GAINESVILLE
Towne, Christopher

JACKSONVILLE
Brenny, Martin T.
Mecca, Joseph P.
Mullis, Raiford M.
Roland, George E.
Shelton, Mark W.

LAKELAND
Lewis, Jason A.
Wilson, Mark E.
White, Wayne E.

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 14, 2023

MELBOURNE
Husainy, Kinan F.

MIAMI
Almonte, Leonte I.
Baldo, Burt L.
Buchler, Aaron E.
Collier, Julio A.
Fernandez, Jorge L.
Fye, Barton J.

OCALA
Busche, Richard V.
Gartner, Amber L.
Losito, Gene B.

ORLANDO
Chau, Hao T.
Lenzen, Brent A.
Littrell, Lance R.
Martin, Jonathan A.
Mingonet, Milton S.
Roberts, Heather A.
Stickler, Brooks A.
Thigpen, Jonathan D.
Wetherell, Ryan S.

SARASOTA
Klepper, B. Kelley
Nadeau, Gary J.
Pankonin, James R.
Schmid, Seth E.

ST. PETERSBURG
Dodge, Dawn M.
Walker, Jordan W.

TALLAHASSEE
Barr, Richard R.
DeVeau, Zachariah A.
Kalbi, Shawn C.

TAMPA
Bulloch, Kelly B.
Collins III, Carroll E.
Gilner, Scott W.
Lee, Nathan Q.

VERO BEACH
Good, Brian A.
Lawson, Jacob B.
Roberson, Kevin M.
Thomas, Melibe S.
Van Rens, Peter J.

WEST PALM BEACH
Lee, Jason R.
Long, Jamea M.
Mufleh, Marwan H.
Rapp, Bryan T.
Schanen, Kevin M.
Schwartz, Michael F.
Tercilla, Lindsey A.
Walthall, David W.

WPB DOWNTOWN
Heggen, Christopher W.
Spruce, Michael D.

MIDWEST

CHICAGO DOWNTOWN
Lemmon, Peter C.
Marnell, Colleen L.
Mayer, Joseph P.
Morton, Jr., Arthur J.

CHICAGO NORTH SUBURBS
Cooper, Jason C.
Tracy, Eric J.
West, Craig L

CHICAGO WEST SUBURBS
Fancler-Splitt, Rory K.
Garner, Chad S.
Heinen, Andrew N.
Kaufman, Phil R.
Walker, Michaela E.
Walker, William A.

COLUMBUS
Muller, Justin M.
Reeves, Michael C.
Schall, Andrew J.

INDIANAPOLIS
Butz, Jr., William A.
Sheward, Bryan A.
Wolfred, Maurice A.

KANSAS CITY
Kist, Matthew D.
McKerrow, Jeff D.

NORTHEAST OHIO
Clements, Kevin J.

TWIN CITIES
Bishop, Mark C.
Bourdon, Brandon J.
Coyle, Daniel J.
Elegert, Brandon R.
Fosmo, Eric J.
Hume, Robert M.
Jensen, Matthew D.
Matzek, William D.
Phipps, Ryan A.
Schmitz, William J.
Wall, Lisa M.
Zimmerman, David

TWIN CITIES- WEST
Kuhnau, JoNette L.
Wurdeman, Brian M.

MOUNTAIN PACIFIC

ASPEN
Christensen, Bryce E.

BOISE
McDougald, Brandon D.
Nicholson, Tim P.

BROOMFIELD
Pratt, Anthony J.

COLORADO SPRINGS
Gunderson, Eric J.
Hess, Mitchell O.

DENVER
Andryscik, Kory J.
Colvin, Scott W.
Garinger, Amy M.
Heiberger, John R.
Krell, Gabriel M.
Phelps, Randall J.
Rowe, Curtis D.
Salvagio, Robin
Skeehan, Daniel L.
Sobieski, Dennis M.
McGee, Meaghan M.
Valentine, Brian W.
Wilhelm, William R.

FORT COLLINS
Felton, Emily P.

PORTLAND
Belsick, Jody W.

SALT LAKE CITY
Crowther, Brent C.
Gresham, Teresa R.
Johnson, Zachary A.
O'Brien, Molly M.

SEATTLE
Kamerath, Marcy
Reeverts, Canaan H.
Williams, David S.

SOUTHWEST

LAS VEGAS
Ahartz, Shannon R.
Jones, Christopher R.
Moles, Richard A.
Moore, Devin V.
Mosley, Michael S.
Wolf, Treasea

MESA
Burm, Jason M.
Grandy, Michael L.
Margetts, Sterling T.
Mutti, Brent H.
Walnum, Nathan C.

PHOENIX
Christian, Rajesh S.
Connelly, Alissa J.
Delmarter, Michael L.
Ehrick, Taylor R.
Henderson, Benjamin J.
Thoma, Jayme R.
Jupp, Andrew M.
Kimm, Kevin J.
Kissinger, John C.
Leistiko, David J.
Marella, Damon J.
Perillo, Adam C.
Sjogren, Timothy P.
Smalkoski, Brian R.

RENO
Hildebrandt, Timothy H.
Nasset, Brent J.

TUCSON
Payne, Kevin W.
Rhine, Timothy J.

SOUTH

ALPHARETTA
Fanney, Angela L.
Fanney, Lawson H.
Hamilton, James R.
James, Alvin B.
Shearouse, Sarah
Stricklin, David L.
Walker, John D.

ATLANTA
Ergle, Kevin B.
Fink, Kenneth L.

ATLANTA MIDTOWN
Bosman, Eric S.
Coleman, Sean H.
Elsey, Jeffrey B.
Johnston, Sean P.
Ross, Robert A.
Triplett, Katherine R.

BIRMINGHAM
Bailey, Clark B.

MEMPHIS
Danley, Drake E.
Minor, Henry W.
Peregoy, Samuel J.
Peregoy, Jennifer M.

MOBILE
Starling, Charles H.

NASHVILLE
Creasman, Brett R.
Dufour, Zachary J.
Espelet, Leonardo E.
McMaster, Ryan L.
Neal, Philip H.
Rhodes, Christopher D.

SAVANNAH
Gwaltney, Jamie N.
Marsengill, Chris C.

WOODSTOCK
West, Brian B.

TEXAS SOUTH

AUSTIN NORTH
Boecker, Brian C.
Neal, Trey A.
VanLeeuwen, Andrew W.

AUSTIN SOUTH
Hudson, Harrison M.
Mason, Sean R.

BRYAN/COLLEGE STATION
Lucas, Michael D.

HOUSTON
Frysinger, Ashley M.
Frysinger, Chris V.
Guillory, Michael B.

SAN ANTONIO
Farnsworth, Jeffrey A.
Holscher, Nicholas F.

THE WOODLANDS
Freeman, Jr., Steven C.

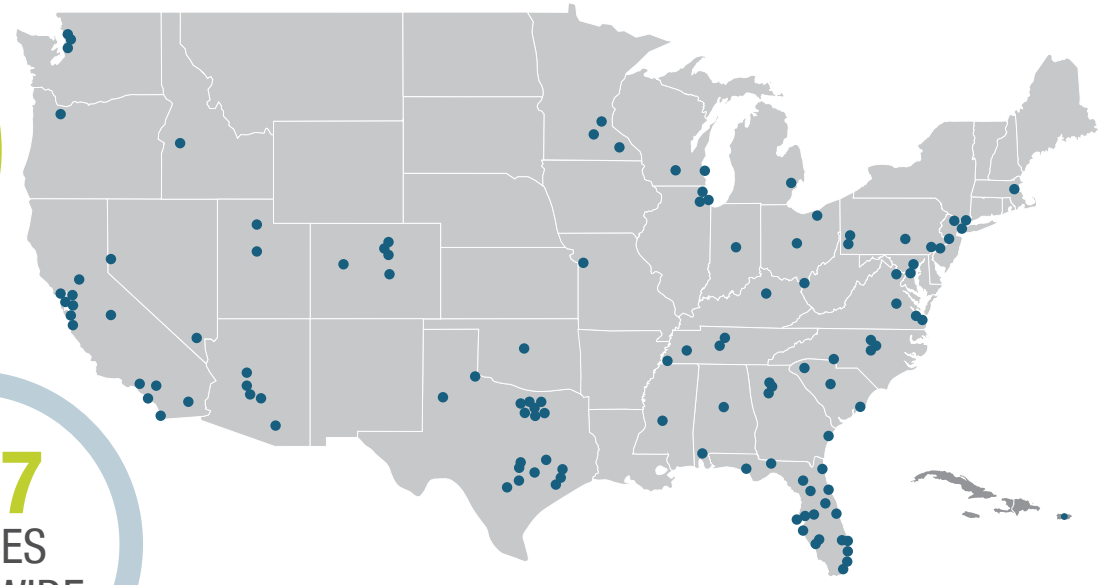
TAB 3

Firm Qualifications and Experience

3. Firm Qualifications and Experience

Founded in 1967 and having a strong presence in South Florida since 1968, Kimley-Horn is a full-service, employee-owned, multidisciplinary consulting firm offering a broad range of engineering, planning, landscape architecture, and environmental services to clients in both the public and private sectors. Over the years, we have grown from a small group of engineers and planners to one of the most respected consulting firms in the nation. Today, Kimley-Horn has more than 7,400 employees in 127 offices across the United States and in Puerto Rico, offering a full range of consulting services to local, regional, national, and international clients.

57
YEARS OF HIGH-QUALITY CLIENT SERVICE



127
OFFICES NATIONWIDE

7,400+
EMPLOYEES NATIONWIDE

1,300+
EMPLOYEES IN FLORIDA

19
FLORIDA OFFICES

Kimley-Horn has successfully partnered with the City of Fort Lauderdale along with numerous South Florida municipalities, as well as clients across the nation, on similar infrastructure projects. Below is a list of local municipalities where we are currently providing undergrounding services or have provided undergrounding services in the past. This list is expanded upon in Tab 6, References and Past Performance, along with client references regarding the services we have provided.

- *Town of Palm Beach*
- *Village of Key Biscayne*
- *City of Miami*
- *City of Boynton Beach*
- *City of West Palm Beach*
- *Town of Miami Lakes*
- *Town of Jupiter*
- *City of St. Pete Beach*
- *City of Delray Beach*
- *City of Miami Beach*
- *City of Lake Worth Beach*
- *City of Pompano Beach*
- *City of Stuart*
- *Village of North Palm Beach*
- *Village of Tequesta*
- *City of Orlando*

Based on our extensive undergrounding experience, we recognize what it takes to convert the City's overhead infrastructure to an underground location, and we have assembled a team that provides you with the right experts and supporting professionals to complete your undergrounding program successfully. Our commitment to working locally, understanding your needs, and providing practical, economical, and technically sound solutions is what makes Kimley-Horn unique.

The wide range of services that we offer to our clients allows us to be an effective and responsive consultant, not just another engineer. Our depth of resources means that you will benefit from the knowledge and relationships of experienced professionals who are involved in undergrounding of utilities efforts for municipalities on a daily basis. Our integrated engineering staff coupled with our team of specialty subconsultants are uniquely qualified to serve you on RFQ Event #135.

REQUIRED INFORMATION

- **Project Manager:** Brett Johnson, P.E. is a Registered Professional Engineer in Florida
- **Project Surveyor:** Marisha Kreitman, PSM is a Registered Professional Surveyor and Mapper in Florida
- **Number of Years Providing Undergrounding of Utilities Services:** 15 Years
- **Business Structure:** North Carolina corporation authorized to do business in Florida
- **Firm Information:**

West Palm Beach Office
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411
561 845 0665
brett.johnson@kimley-horn.com

Plantation Office
8201 Peters Road, Suite 2200
Plantation, Florida 33324
954 535 5100
marissa.maring@kimley-horn.com

- **Website:** www.kimley-horn.com

Contact Persons: Brett Johnson, P.E.; Marissa Maring, P.E.

- **Relative Size of the Firm:** 7,426 Employees
- **Conservation and Sustainability at Kimley-Horn:** Sustainability is a vital initiative at Kimley-Horn. We categorize our approach to sustainability in two ways. First, we are committed to helping our clients understand sustainable design and green building principles. We recognize this significant shift in the marketplace by striving to provide exceptional client service across all of our disciplines. Second, we seek to achieve a sustainable balance in our facilities by minimizing our environmental footprint, creating a healthier workplace for our employees, and reducing energy expenditures, ultimately working toward the sustainable ideal of improving our triple bottom line—planet, people, and profitability.
- ***Licenses are provided at the end of this Tab.***

Our team of dedicated professionals are prepared to provide the City with all the project management and engineering support services listed in this RFQ, including:

- Planning Services
- Cost Estimating
- Community Outreach and Relations; Resident Coordination; Public Information/Project Liaison
- Easement Acquisition and Support of Legal Services
- Assessment Services
- Surveying and Mapping
  - Land Surveying
  - Geographic Information Services (GIS)
- Utility Designating, Locating, and Assessment
- Utilities Engineering (Subsurface Engineering)
- Utility Coordination
- Surveying and Mapping
- Civil Engineering
- Structural Engineering
- Environmental Engineering
- Transportation and Traffic Engineering
- Electrical Engineering
- Mechanical Engineering
- Geotechnical Engineering and Testing
- Landscape Architecture
- Pre-Construction Services
  - Constructability Review
  - Quality Control/Quality Assurance
  - Cost Estimating
- Construction Management Services
  - Resident Project Representation
  - Construction Inspections
  - Construction Management
  - Contract Administration
- Program Management/Assistance Services
- Project Management; Project Staff Extension
- Grant Coordination, Including Preparation of Grant Applications and Deliverables
- Graphic Design and Rendering
- Value, Risk, and Benefit to Cost Business Case Analysis
- Water and Wastewater
- Stormwater Engineering and Modeling
- Coastal Engineering
- Historic Preservation
- Cultural Resources (Historic Archeology History, Ethnography)

Our depth of experience with a variety of project types allows us to provide Fort Lauderdale with staff who understand local regulatory challenges and have strong relationships with key stakeholders. Kimley-Horn is currently leading one of the largest municipal undergrounding conversion projects in FPL's service territory in the Town of Palm Beach. We've also completed many smaller neighborhood conversions in various communities. Below are just a few statistics that demonstrate our extensive experience with overhead to underground conversions:

- Over 169 miles of primary cable installed
- Over 800 transformers/switches installed
- Over 860 easements voluntarily secured
- Over 800 poles removed

Because our local professionals have a proven track record working on similar undergrounding projects in FPL's service territory, there will be no learning curve to contend with. The Kimley-Horn team understands the challenges the City faces and is ready to confront them head-on as a trusted advisor on this important contract.

As the go-to civil consultant for undergrounding of utilities projects, Kimley-Horn has an unrivaled level of familiarity with the planning, design, construction phase services, and contract administration the City of Fort Lauderdale is expecting on this contract. *This is exemplified through the project experience listed on the following pages.*

PROJECT EXPERIENCE

TOWNWIDE UNDERGROUNDING OF UTILITIES PROGRAM, *PALM BEACH, FL*

2020 American Council of Engineering Companies (ACEC) Florida Engineering Excellence Award Honor Winner

Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. We have gone on to design and bring five other phase areas to construction. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, will convert 37 miles of overhead infrastructure to an underground location.

▷ *This project is currently on time and within budget*

MASTER PLANNING FOR VILLAGEWIDE UNDERGROUNDING OF UTILITIES PROGRAM, *KEY BISCAYNE, FL*

In recent years, the Village has been investigating the feasibility of relocating existing overhead utilities (electric, telephone, and cable) to an underground location to enhance the safety, reliability and aesthetics of these facilities within the Village. In August 2017, Kimley-Horn was selected to be the engineer for the Village's undergrounding program to relocate overhead utilities to an underground location.

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 completed in order to evaluate these priorities ahead of any detailed design of any single undergrounding phase. Design of Phase 1 of the program is about to proceed this year. The entire program, which began in 2018, will convert nearly 15 miles of overhead infrastructure to an underground location.

▷ *This project is currently on time and within budget*

MIAMI DDA UTILITY UNDERGROUNDING FEASIBILITY ASSESSMENT, *MIAMI, FL*

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 policymakers 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. This dataset was utilized to evaluate the total length and quantity of each utility, roadway impacts, and other critical information which were included in the report that allows for visualization of the extent of existing overhead facilities.

▷ *This project was completed on time and within budget*

CITY OF FORT LAUDERDALE PROJECT SPOTLIGHT

BREAKERS AVENUE UNDERGROUNDING CONVERSION PROJECT

Kimley-Horn performed the underground conversion design for this streetscape project in Fort Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pull box infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

▷ *This project was completed on time and within budget*

Key Team Members


Kevin Schanen, P.E.


Jonathan Haigh, PLA, ASLA


Brett Johnson, P.E.


Erin Emmons, GISP


Marissa Maring, P.E.


Matt Fursetzer, P.E.


Kaitlin Townsend, P.E.


Eric Regueiro, P.E.

REHABILITATION AND UPGRADE OF TRIPLEX PUMPING STATIONS

Kimley-Horn developed plans and construction documents for the rehabilitation and upgrade of nine triplex wetwell/dry pit pumping stations to improve system performance, increase system efficiency, and reduce system maintenance. The pumping stations identified are A-8, B-4, A-20, A-22, A-27, A-29, A-23, A-31, and B-11, and the work included removal and replacement of mechanical, electrical, and ventilation equipment, replacement of pumps, pipes, valves, suction and discharge piping, wetwell/dry pit repairs and protective coatings, replacement and relocation of controls to above ground, and structural repairs. Our team, led by **Gary Ratay, P.E.** and **Marissa Maring, P.E.** evaluated of the current wastewater system flow patterns, pump station capacities, and pump station operations to develop rehabilitation requirements, evaluated force main capacity and connections for adjacent pipe replacement/ upgrades, assessed gravity sewer piping to adjacent upstream manholes for rehabilitation, weighed options of pump station sites and available City right-of-way (ROW) for landscaping and architectural improvements, and examined pump stations B-4 and B-11 for the installation of new generator systems. In addition to the design services we delivered, our team provided permitting, contract document development, bidding assistance, and construction phase services.

▷ *This project was completed on time and within budget*

Key Team Members


Gary Ratay, P.E.


Marissa Maring, P.E.

PUMP STATION C-1 & C-2 REPLACEMENT AND P12412 PUMP STATION A-16 UPGRADE

Under our continuing contract, Kimley-Horn has been retained to improve three of the City's existing wastewater pump stations to improve system performance, increase system efficiency, and reduce system maintenance. The proposed improvement and pump station locations are:

1. Replacement of Wastewater Pump Station C-1 located at Riverland Road and Okeechobee Lane
2. Replacement of Wastewater Pump Station C-2 located at SW 37th Terrace and Fairfax Drive
3. Rehabilitation and Upgrade of Wastewater Pump Station A-16 located at SE 4th Avenue and SE 11th Street

▷ *This project is currently on time and within budget*

Key Team Members


Gary Ratay, P.E.


Marissa Maring, P.E.

BROADBAND INFRASTRUCTURE ASSESSMENT, *PALM BEACH, FL*

Kimley-Horn provided a Broadband Infrastructure Assessment for the Town to determine if opportunities existed to develop a new broadband infrastructure network in conjunction with the Town's on-going underground utility conversion program. The Assessment consisted of performing market surveys, stakeholder interviews, public outreach, cost projections, business case analysis and revenue projections, market research, and conceptual fiber optic network designs.

▷ *This project was completed on time and within budget*

NIGHTINGALE TRAIL/LA PUERTA WAY UNDERGROUND UTILITIES CONVERSION, *PALM BEACH, FL*

Kimley-Horn was selected to provide design, construction document preparation, permitting, bid and construction phase services for the project. The project included the installation of underground FPL, AT&T, and Comcast conduit, and associated transformers, vaults, pull-boxes, and handholes, etc. within Town right-of-way or easements that were obtained for the project. The project also includes the installation of service conduit and service conductors on private property. Paving, grading, drainage improvements, and water main relocations were also completed on La Puerta Way.

▷ *This project was completed on time and within budget*

LAKE TOWERS UNDERGROUND UTILITIES CONVERSION, *PALM BEACH, FL*

Kimley-Horn served the Town of Palm Beach to perform the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn designed the conduit and pullbox infrastructure for the electric and cable utilities (telephone was already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes and condominium being served from new underground utility infrastructure. The project included the installation of underground FPL, AT&T, and Comcast conduit, and associated transformers, vaults, pull-boxes, and handholes, etc. The project also included paving restoration and site restorations.

▷ *This project was completed on time and within budget*

NW 11TH STREET UNDERGROUND UTILITIES CONVERSION PROJECT, *BOYNTON BEACH, FL*

Kimley-Horn performed the underground conversion design of all communication and electrical lines for this neighborhood project in the Boynton Beach Community Redevelopment District. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

▷ *This project was completed on time and within budget*

CLEMATIS 300 BLOCK ALLEY UNDERGROUNDING OF UTILITIES, *WEST PALM BEACH, FL*

The City of West Palm Beach selected Kimley-Horn to prepare a design to improve the pedestrian experience within this alley on Clematis Street. In addition to various infrastructure and decorative paver improvements, Kimley-Horn performed the underground conversion design of all main line communications and electrical commercial service lines. Kimley-Horn designed the conduit and pullbox infrastructure for the electric services, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

▷ *This project was completed on time and within budget*

LAKE PATRICIA AND LAKE KATHERINE UNDERGROUNDING STUDY, *MIAMI LAKES, FL*

Kimley-Horn performed a high-level feasibility study to assess the costs related to converting all aerial power and communications lines within this neighborhood to an underground location. Kimley-Horn performed field assessment, developed maps and underground conversion related cost projections for delivery to the Town. We also provided a presentation to the community to present the findings of the study.

▷ *This project was completed on time and within budget*

INLET VILLAGE CONCEPT MASTER PLAN - A1A CORRIDOR, *JUPITER, FL*

Kimley-Horn developed the concept design master plan for a bike/pedestrian-friendly corridor for the Inlet Village district in the Town of Jupiter. This study included the planning for the conversion of overhead utilities to an underground location and guided the development of sidewalks, bike paths, streetscape design, utility design, and stormwater design. Public meetings were held along with the development of a concept design and opinion of probable construction cost for the project.

- *This project was completed on time and within budget*

UNDERGROUNDING PROGRAM ASSESSMENT, *ST. PETE BEACH, FL*

Kimley-Horn assisted the City of St. Pete Beach with an overall review an assessment of their program to convert existing overhead facilities to an underground location along Gulf Blvd. Our work included reviewing design plans for electrical, communication, and streetlighting facilities, along with providing the City with guidance on how to proceed with implementation of the program which is being funded by a penny sales tax in the County.

- *This project was completed on time and within budget*

TROPIC ISLE UNDERGROUNDING FEASIBILITY STUDY, *DELRAY BEACH, FL*

Kimley-Horn was selected by the City to perform a large-scale infrastructure improvement project in this waterfront community. As a part of the overall program of improvements, Kimley-Horn performed a high-level feasibility study to assess the costs related to converting all aerial power and communications lines within this neighborhood to an underground location. Kimley-Horn performed field assessment, developed maps and underground conversion related cost projections for delivery to the City. This project is currently still in the study phase.

- *This project was completed on time and within budget*

WORTH AVENUE IMPROVEMENT PROJECT, *PALM BEACH, FL*

Kimley-Horn served as site civil, traffic, and undergrounding engineer for this exciting project within the Town that was brought to life by a group of property owners along Worth Avenue who wanted to revitalize the area and bring it back to its former glory. As a subconsultant to another firm, Kimley-Horn was responsible for the design of all the civil, traffic, and undergrounding of overhead utilities on the project. We provided the detailed design of the electrical, telephone and cable utilities throughout the three-block corridor in the Mid-Town area. To date, this remains the most significant undergrounding effort ever successfully accomplished in the Mid-Town area of Palm Beach. The project also included the construction of a new roadway section, replacement and modification of various other underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the corridor. The project was completed on-time and nearly $1 million under its established budget.

- *This project was completed on time and within budget*

BRICKELL CITY CENTRE, *MIAMI, FL*

Located at the core of the City's financial district, Brickell City Centre is a nine-acre mixed-use development. The site comprises approximately three city blocks. At completion, this $1.05 billion project includes 2.9 million square feet of retail, office, residential, and entertainment space. The parking demand for this proposed development is 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 of 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 onsite stormwater management.

- *This project was completed on time and within budget*

MIAMI WORLDCENTER, *MIAMI, FL*

Spanning more than 20 acres, the Miami Worldcenter includes approximately 13 million square feet of retail, residential, office, and institutional uses. As proposed, the Center will create a vibrant, walkable pedestrian environment with a unique sense of place: a modern design statement driven by Miami's unique physical context, culture, and architectural heritage. Kimley-Horn partnered with a private developer, the City of Miami, the Miami Community Redevelopment Agency (CRA), and other stakeholders in preparing typical sections for streetscapes for the City's largest proposed downtown project. Kimley-Horn also partnered with numerous utility companies to determine existing underground conditions. Once this information was obtained, we worked with multiple stakeholders to develop and evaluate various streetscape options for roads and avenues within the multi-block project limits.

The project surrounds the largest fiber hub in South Florida called the NAP Center. Large fiber trunk lines extend from the building structure to provide internet service and connections to entire continents such as South America, and for high-profile venues such as the American Airlines Arena, art museums, libraries, and security services in various locations of Miami. Kimley-Horn is coordinating and designing utility relocations and undergrounding to facilitate roadway vacations, aesthetic improvements to the area, and to accommodate a new streetscape design for the area. The utility providers are working with on the project include ATT, FPL, Comcast, TCG Fiber, Level 3 Fiber, TECO Gas, Verizon Fiber, FiberLight, and MCI.

▷ *This project was completed on time and within budget*

PROJECT MANAGEMENT TEAM

BRETT JOHNSON, P.E.

Project Manager

Brett has more than 17 years of civil engineering experience in Palm Beach County. His focus is the undergrounding of overhead utilities. As the project manager for the Town of Palm Beach undergrounding program, Brett is responsible for the design and construction administration of relocating more than 37 pole-miles of overhead utilities underground. Prior to joining Kimley-Horn, Brett worked for the Village of Royal Palm Beach as a project engineer. His experience there was centered around the implementation of the Village's Capital Improvement Program – including projects that ranged from small streetscapes to the development of a regional park.

MARISSA MARING, P.E.

Deputy Project Manager

Marissa has a decade of engineering experience including stormwater management design, roadway design, water/wastewater utility design, water/wastewater/reuse master planning, advanced water treatment processes and facilities design, hydraulic modeling, environmental remediation, preparation of engineering drawings, and site/plan preparation and review. Marissa has served as project manager or deputy project manager on several projects for the City of Fort Lauderdale including the Rehabilitation and Upgrade of Triplex Pumping Stations, the SE 25th Avenue Watermain Design, the SW 29th Street Watermain Design, and the FEC 16-Inch Watermain Replacement project. She is experienced with AutoCAD, InfoWater, and ArcGIS. Marissa has experience with reuse feasibility planning, master planning, construction management, and permitting and has provided public outreach services as part of the Kimley-Horn team.

KEVIN SCHANEN, P.E.

Quality Manager

Kevin is a South Florida native who has more than 26 years of diverse engineering, program management, and undergrounding of utilities project management experience. As the Principal-in-Charge for the Town of Palm Beach, Village of Key Biscayne, and a variety of other Undergrounding programs, Kevin works closely with Brett, and project team members Kaitlin Townsend, P.E. and Hannah Dvorak, E.I. each day to successfully implement these conversion projects for municipal clients. Kevin has successfully led large, complicated, and publicly visible projects and has the expertise required to make your vision for undergrounding a reality, and he will utilize this knowledge as our quality manager to help ensure our delivery of practical, accurately estimated, and biddable and constructible projects under this contract.

GARY RATAY, P.E.

Principal-in-Charge

Gary has 38 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 for numerous South Florida water utility clients and has delivered numerous projects for the City of Fort Lauderdale. Gary's experience with the City includes the Rehabilitation and Upgrade of Triplex Pumping Stations project, the Pump Station C1 and C2 Replacement project, and the A-16 Watermain Relocation Design Package. Additionally, Gary serves as project manager providing a variety of general municipal and utility needs to the City of Hallandale Beach, City of Pembroke Pines, City of Dania Beach, City of North Miami, and North Bay Village.

KIMLEY-HORN LICENSES AND CERTIFICATIONS

State of Florida
Department of State

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

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on February 22, 2023, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-second day of February, 2023

Secretary of State

Tracking Number: 9937240518CC

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

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

Kimley-Horn has renewed this document and is waiting to receive the new certificate.

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dbpr Florida Department of Business & Professional Regulation

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LICENSEE DETAILS — 9:12:14 AM 2/26/2024

Licensee Information

Name:	KIMLEY-HORN & ASSOCIATES, INC. (Primary Name)
Main Address:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH North Carolina 27601
County:	OUT OF STATE
License Mailing:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH NC 27601
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	696
Status:	Current
Licensure Date:	05/10/1977
Expires:	

Special Qualifications — Qualification Effective

Alternate Names

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LICENSEE DETAILS — 1:25:10 PM 12/14/2023

Licensee Information

Name:	MINGONET, MILTON SCOTT (Primary Name) KIMLEY-HORN AND ASSOCIATES INC (DBA Name)
Main Address:	200 SOUTH ORANGE AVENUE SUITE 600 ORLANDO Florida 32801
County:	ORANGE

License Information

License Type:	Registered Landscape Architect
Rank:	Landscape Arc
License Number:	LA0001428
Status:	Current,Active
Licensure Date:	10/14/1991
Expires:	11/30/2025

Special Qualifications — Qualification Effective

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

License No.: **LB696**
Expiration Date February 28, 2025

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

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

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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

IN ACCORDANCE WITH THE LOCAL BUSINESS PREFERENCE GUIDELINES IN SECTION 2.13.2 DEFINITIONS OF RFQ/EVENT# 135, KIMLEY-HORN QUALIFIES AS A CLASS C LOCAL BUSINESS.

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829

VALID OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024

Business Name: KIMLEY-HORN & ASSOCIATES INC
Receipt #: 377-13600
Business Type: OFFICE/SALES/BUSINESS/ADMIN (CORP OFFICE)

Owner Name: KIMLEY-HORN & ASSOCIATES INC
Business Location: 8201 PETERS RD PLANTATION
Business Phone: 954-535-5100
Business Opened: 02/01/1984
State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt Fee 45.00
Packing/Processing/Canning Employees 0.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

KIMLEY-HORN & ASSOCIATES INC
421 FAYETTEVILLE ST STE 600
RALEIGH, NC 27601

Receipt #WWW-22-00265532
Paid 08/14/2023 45.00

2023 - 2024

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829

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State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals

Signature

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt #WWW-22-00265532
Paid 08/14/2023 45.00

Ron DeSantis, Governor — Melanie S. Griffin, Secretary — FBPE

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JOHNSON, BRETT A.
6338 GREENHEDGE COURT
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE74005
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RATAY, GARY R
11641 ISLAND LAKES LANE
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SCHANEN, KEVIN M.
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FYE, BARTON JUNIOR
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Institute for Sustainable Infrastructure

ENVISION SUSTAINABILITY PROFESSIONAL

THIS CREDENTIAL PRESENTED TO

Barton Fye

Presented On: 08/21/2018

John M. Stanton
President and CEO
Institute for Sustainable Infrastructure

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FLORIAN, CARLOS H.
2145 NE 164TH STREET
APT. 843
NORTH MIAMI BEACH FL 33162

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VIOLA, STEFANO F.
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STANTON, TIFFANY
5179 SW 87TH AVE
COOPER CITY FL 33328

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Ron DeSantis, Governor — Melanie S. Griffin, Secretary — FBPE

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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LIZAMA, IGNACIO LUIS
2 ALHAMBRA PLAZA
SUITE 500
CORAL GABLES FL 33134

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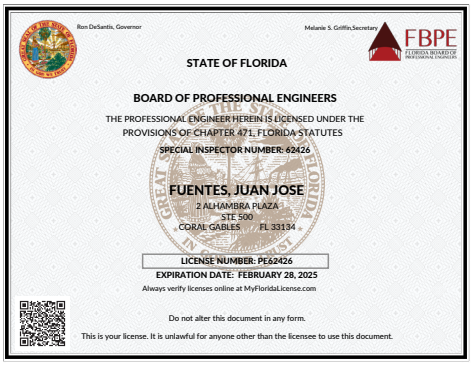
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BOARD OF PROFESSIONAL ENGINEERS
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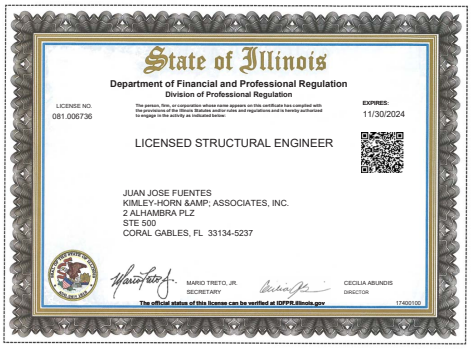
State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation
LICENSE NO. 081.006736
EXPIRES: 11/30/2024
LICENSED STRUCTURAL ENGINEER
JUAN JOSE FUENTES
KIMLEY-HORN & ASSOCIATES, INC.
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STE 500
CORAL GABLES, FL 33134-5237
MARIO TRETO, JR. SECRETARY
CECILIA ABUNDIS DIRECTOR
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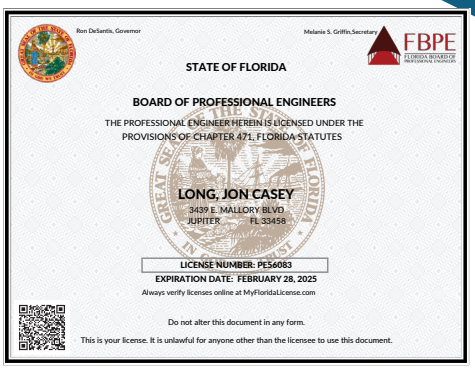
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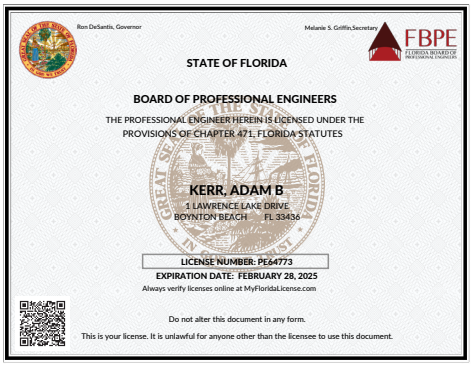
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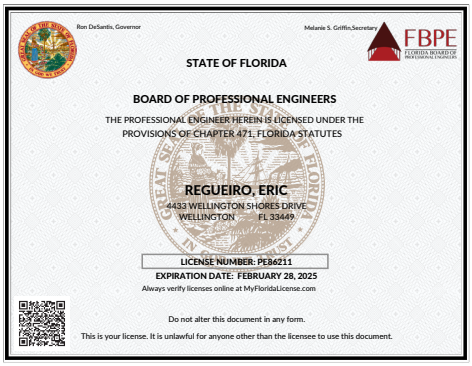
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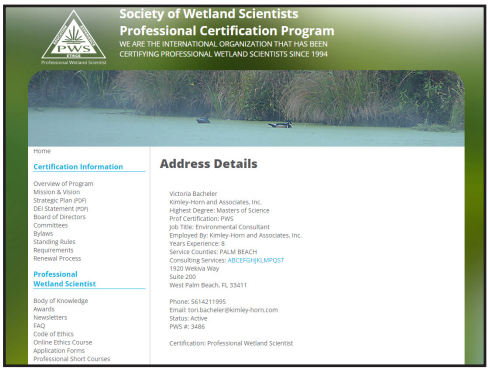
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Professional Certification Program
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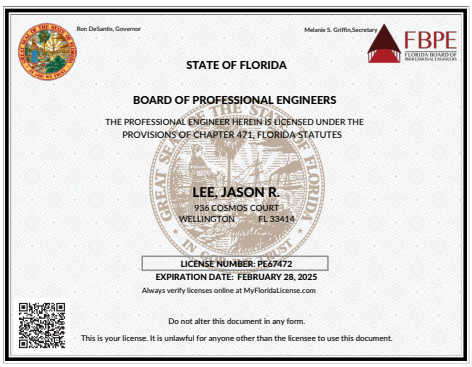
Certification Information
Professional Wetland Scientist
Address Details
Victoria Bacheler
Kimley-Horn and Associates, Inc.
Highest Degree: Masters of Science
Prof Certification: PWS
Job Title: Environmental Consultant
Employed By: Kimley-Horn and Associates, Inc.
Years Experience: 8
Service Counties: PALM BEACH
Consulting Services: ABCEFGHJKLMPQST
1920 Wekiva Way
Suite 200
West Palm Beach, FL 33411
Phone: 5614211995
Email: tori.bacheler@kimley-horn.com
Status: Active
PWS #: 3486
Certification: Professional Wetland Scientist


Society of Wetland Scientists
Professional Certification Program, Inc
grants the designation
Professional Wetland Scientist
For
Shelby Moran
In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Program, Inc. and verified by the Society's Certification Review Panel on 09/30/2023.
Professional Wetland Scientist number 3719. Due to recertify by 09/30/2028.
Ellen Hartig, SPWS
President
Robert D. Shannon, Ph.D., PWS
Review Panel Chair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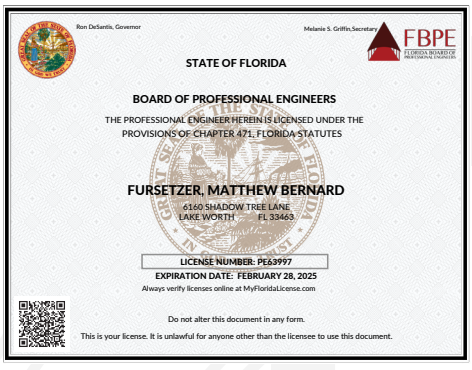
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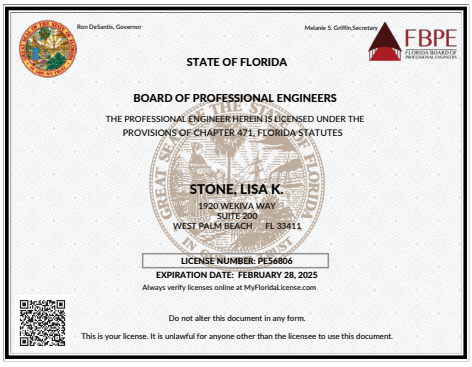
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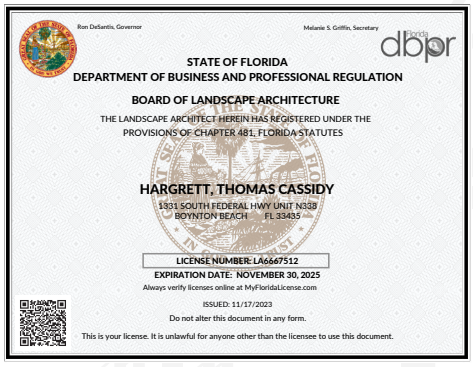
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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
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HARGRETT, THOMAS CASSIDY
1331 SOUTH FEDERAL HWY UNIT N338 BOYNTON BEACH FL 33435
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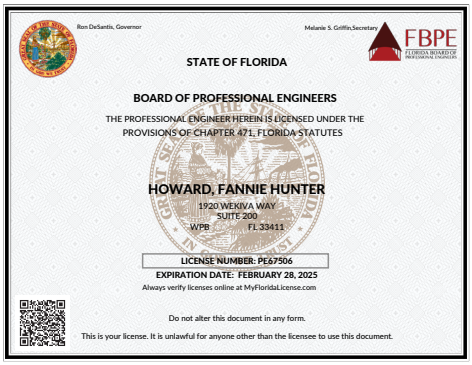
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SUITE 200
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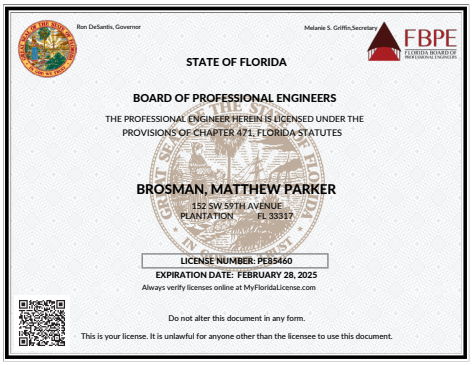
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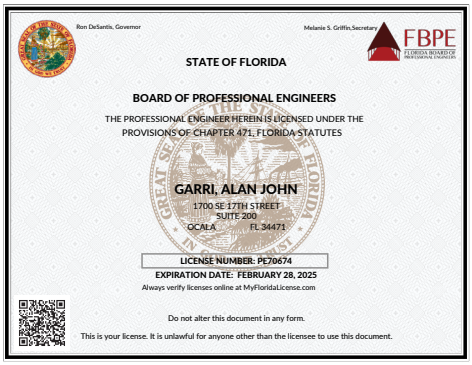
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1700 SE 17TH STREET
SUITE 200
OCALA FL 34471
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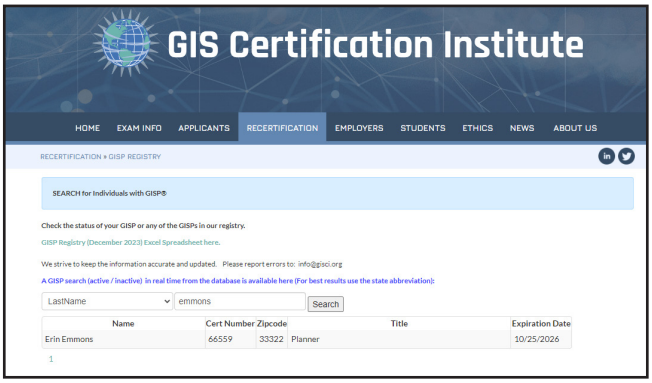
This certificate hereby qualifies
Blair Knighting, AICP
as a member with all the benefits of a Certified Planner and a commitment to the AICP Code of Ethics and Professional Conduct.
Certified Planner Number: 31913
Joel Albizo, FAAAL, CAE
Chief Executive Officer
American Planning Association
Deborah Lawlor, FAICP, PP
AICP President
American Institute of Certified Planners
American Institute of Certified Planners
Creating Great Communities for All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Name	Cert Number	Zipcode	Title	Expiration Date
Erin Emmons	66559	33322	Planner	10/25/2026

1

SUBCONSULTANT LICENSES AND CERTIFICATIONS

AVIROM & ASSOCIATES, INC.


State of Florida
Department of State
I certify from the records of this office that AVIROM & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on July 1, 1981.
The document number of this corporation is 693023.
I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 5, 2024, and that its status is active.
I further certify that said corporation has not filed Articles of Dissolution.
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fifth day of January, 2024
Secretary of State
Tracking Number: 4825143597CC
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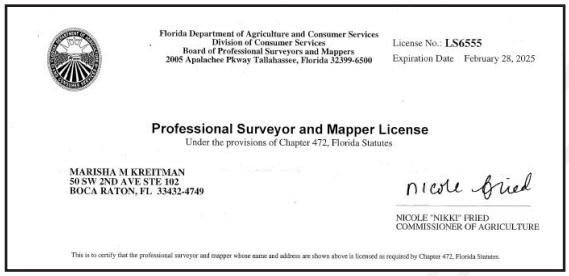
Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500
License No.: LS6555
Expiration Date February 28, 2025
Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes
MARISHA M KREITMAN
50 SW 2ND AVE STE 102
BOCA RATON, FL 33432-4749
NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE
This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

INFRAMAP CORP.

State of Florida
Department of State

I certify from the records of this office that INFRAMAP CORP. is a Delaware corporation authorized to transact business in the State of Florida, qualified on October 6, 1994.

The document number of this corporation is F94000005189.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on February 22, 2023, and that its status is active.

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

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

Secretary of State

Tracking Number: 1031838691CU

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

License No.: LB6666
Expiration Date February 28, 2025

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

INFRAMAP CORP
1100 N FLORIDA MANGO RD STE D
WEST PALM BEACH, FL 33409-5263

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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

RAFTELIS

State of Florida
Department of State

I certify from the records of this office that RAFTELIS FINANCIAL CONSULTANTS, INC. is a North Carolina corporation authorized to transact business in the State of Florida, qualified on February 10, 2005.

The document number of this corporation is F05000000923.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on February 23, 2023, and that its status is active.

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

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

Secretary of State

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SEARCH FLORIDA

State of Florida
Department of State

I certify from the records of this office that SOUTHEASTERN ARCHAEOLOGICAL RESEARCH, INC. is a corporation organized under the laws of the State of Florida, filed on October 11, 1993, effective October 4, 1993.

The document number of this corporation is P93000072718.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 5, 2024, and that its status is active.

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

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

Secretary of State

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TERRACON CONSULTANTS, INC.

Ron DeSantis, Governor
Melanie S. Griffin,Secretary
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STATE OF FLORIDA

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NULKAR, RUTUGANDHA H.
5371 NW 33RD AVENUE
SUITE 201
FORT LAUDERDALE FL 33309

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State of Florida
Department of State

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

The document number of this corporation is F04000000114.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 12, 2024, and that its status is active.

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

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

Secretary of State

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WAYPOINT ENGINEERING

Sunbiz.org Division of Corporations
an official State of Florida website

Department of State / Division of Corporations / Search Records / Search by Entity Name /

Detail by Entity Name

Foreign Limited Liability Company
WAYPOINT ENGINEERING AND EQUIPMENT LLC

Filing Information

Document Number	M11000004186
FEI/EIN Number	27-3731863
Date Filed	08/19/2011
State	AL
Status	ACTIVE

Principal Address

6671 W. INDIANTOWN ROAD
SUITE 50-416
JUPITER, FL 33458

Changed: 01/18/2023

Mailing Address

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Florida dbpr Department of Business & Professional Regulation

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LICENSEE DETAILS
10:39:55 AM 3/21/2024

Licensee Information

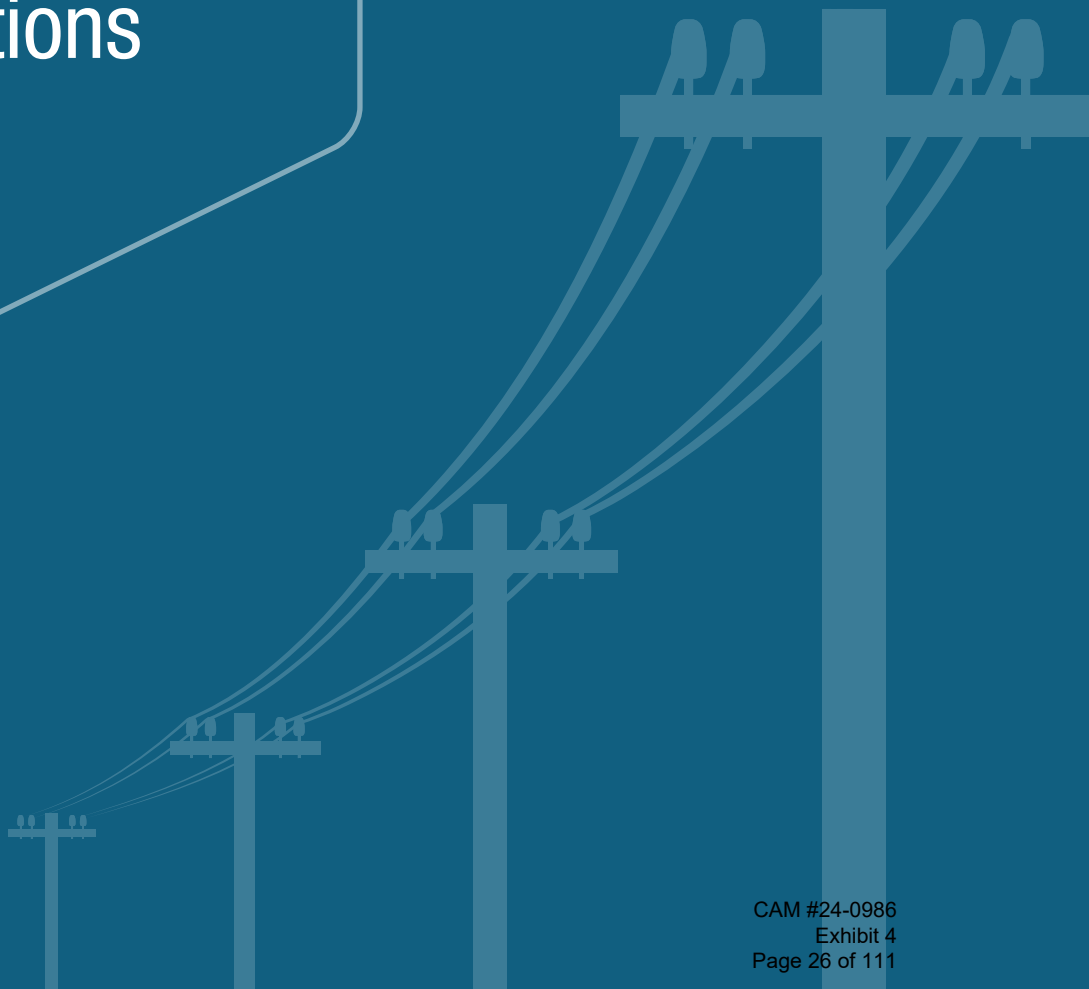
Name:	MORRISON, RUSSELL CRAIG (Primary Name)
Main Address:	5747 SUGARWOOD CT JUPITER Florida 334580000
County:	PALM BEACH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	51567
Status:	Current,Active
Licensure Date:	03/11/1997
Expires:	02/28/2025

TAB 4

Organization Profile and Project Team Qualifications



4. Organization Profile and Project Team Qualifications

Our team was hand-picked for this contract by project manager, **Brett Johnson, P.E.** and deputy project manager, **Marissa Maring, P.E.** These members of our project team were selected using four criteria:

1. Experience with undergrounding projects (both in South Florida and in other areas of the state and nation).
2. Experience with significant infrastructure projects within the City of Fort Lauderdale.
3. Knowledge of the City's governmental operations and processes.
4. Availability to assume major project responsibilities on an ongoing long-term contract.

By pairing Kimley-Horn's engineering experts with our subconsultant partners, our team has the knowledge, experience, local relationships, and horsepower required to lead this undergrounding program to a successful completion for the City of Fort Lauderdale. Local staff based in our Plantation and West Palm Beach offices will be responsible for the management of this program. With nearly 275 people in these two offices including all of the members of our project management team, Kimley-Horn has the quality resources to serve the City of Fort Lauderdale with responsiveness and expertise. Ultimately, the people—the professionals who serve you—are the most important elements in the successful delivery of the projects under this contract.

We also know the importance of providing personnel and services that satisfy the requirements and expectations of the City of Fort Lauderdale. The Kimley-Horn team is made up of qualified staff who possess the flexibility and commitment to bring this program to a successful completion. Kimley-Horn recognizes that a proven staffing plan should be in place from the onset of the program. Our plan focuses on responsive and personal service based on a long history with undergrounding projects and a strong familiarity with the City. As such, we employ a seasoned local project manager with a wealth of experience on similar efforts for local clients and a committed deputy project manager who has a dedicated history of service to Fort Lauderdale. Their success will be in large part due to tight management of all project aspects and full coordination and communication of all issues.

REQUIRED INFORMATION

- **Years in Business of Firms Professional Engineering Services:** 57 years
- **Financial Capabilities:** In business since 1967, Kimley-Horn is privately owned, financially strong, and positioned for continued financial health. We maintain a disciplined focus on business fundamentals, operate the firm conservatively, and our internal controls and business standards are designed to keep our financial foundation strong. In addition to sustaining healthy annual revenues and equity, Kimley-Horn maintains a robust cash flow and has an untapped eight-figure operating line of credit available for short-term cash flow needs. Kimley-Horn has the financial ability to successfully perform the services required by the City of Fort Lauderdale for this contract.
- **Similar Project Experience:** Provided in Tab 3
- **Judgments/Conflict of Interest:** Kimley-Horn and its principals do not have a record of judgments, pending lawsuits against the City or criminal activities involving moral turpitude or any conflicts of interest that have not been waived by the City Commission to the best of our knowledge

  Kimley-Horn and its principals, officers, and shareholders are not in arrears or in default of any debt or contract involving the City, (as a party to a contract, or otherwise); nor have we failed to perform faithfully on any previous contract with the City to the best of our knowledge
- **Professional Registrations and Licenses:** As displayed in Tab 3, Kimley-Horn is registered and licensed in the State of Florida

The key staff Brett and Marissa have selected to serve the City of Fort Lauderdale are listed below.

KIMLEY-HORN KEY TEAM MEMBER OVERVIEW

BRETT JOHNSON, P.E., *Project Manager*

Brett has more than 17 years of civil engineering experience in Palm Beach County. His focus is the undergrounding of overhead utilities. As the project manager for the Town of Palm Beach undergrounding program, Brett is responsible for the design and construction administration of relocating more than 37 pole-miles of overhead utilities underground. Prior to joining Kimley-Horn, Brett worked for the Village of Royal Palm Beach as a project engineer. His experience there was centered around the implementation of the Village's Capital Improvement Program – including projects that ranged from small streetscapes to the development of a regional park.

MARISSA MARING, P.E., *Deputy Project Manager*

Marissa has a decade of engineering experience including stormwater management design, roadway design, water/wastewater utility design, water/wastewater/reuse master planning, advanced water treatment processes and facilities design, hydraulic modeling, environmental remediation, preparation of engineering drawings, and site/plan preparation and review. Marissa has served as project manager or deputy project manager on several projects for the City of Fort Lauderdale including the Rehabilitation and Upgrade of Triplex Pumping Stations, the SE 25th Avenue Watermain Design, the SW 29th Street Watermain Design, and the FEC 16-Inch Watermain Replacement project. She is experienced with AutoCAD, InfoWater, and ArcGIS. Marissa has experience with reuse feasibility planning, master planning, construction management, and permitting and has provided public outreach services as part of the Kimley-Horn team.

KEVIN SCHANEN, P.E., *Quality Manager*

Kevin is a South Florida native who has more than 26 years of diverse engineering, program management, and undergrounding of utilities project management experience. As the Principal-in-Charge for the Town of Palm Beach, Village of Key Biscayne, and a variety of other Undergrounding programs, Kevin works closely with Brett, and project team members Kaitlin Townsend, P.E. and Hannah Dvorak, E.I. each day to successfully implement these conversion projects for municipal clients. Kevin has successfully led large, complicated, and publicly visible projects and has the expertise required to make your vision for undergrounding a reality, and he will utilize this knowledge as our quality manager to help ensure our delivery of practical, accurately estimated, and biddable and constructible projects under this contract.

GARY RATAY, P.E., *Principal-in-Charge*

Gary has 38 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 for numerous South Florida water utility clients and has delivered numerous projects for the City of Fort Lauderdale. Gary's experience with the City includes the Rehabilitation and Upgrade of Triplex Pumping Stations project, the Pump Station C1 and C2 Replacement project, and the A-16 Watermain Relocation Design Package. Additionally, Gary serves as project manager providing a variety of general municipal and utility needs to the City of Hallandale Beach, City of Pembroke Pines, City of Dania Beach, City of North Miami, and North Bay Village.

JOSHUA HORNING, P.E., LEED AP, *Master Planning and Detailed Design*

Josh is a civil engineer with more than 21 years of varied engineering and management experience through all project phases. Josh has successfully provided project management, design, and construction administration services for large and small infrastructure projects across Florida and California – including undergrounding projects for the Village of Key Biscayne, Town of Palm Beach, the City of Fort Lauderdale, and the City of Sunny Isles Beach. He has a proven track record of outstanding service to clients ranging from government municipalities to big-box retail outlets.

KAITLIN TOWNSEND, P.E., *Master Planning and Detailed Design, Easement Acquisition and Legal Support, Utility Coordination*

Kaitlin has a decade of experience serving a wide variety of clients on utility infrastructure projects involving overhead to undergrounding conversions, water mains, pump stations, water treatment plants, and other utility design projects. Kaitlin has extensive experience with easement acquisition and construction of undergrounding projects and has conducted direct conversations with hundreds of property owners during both the design and construction phases of undergrounding conversion projects.

BARTON FYE, P.E., ENV SP, *Master Planning and Detailed Design*

Barton has 18 years of civil engineering and project management experience involving the design and construction oversight of underground utility infrastructure. Barton's experience includes master planning and design of underground utilities as part of overhead to underground conversion projects as well as to extend service to existing or new developments, including the Townwide Palm Beach conversion project, the Villagewide Key Biscayne conversion project, City of Miami Beach's on-call Undergrounding Contract, Miami Worldcenter in downtown Miami, and the Grove Central transit-oriented development in the City of Miami. Barton has also been responsible for managing numerous other infrastructure design and construction oversight projects involving utility coordination, relocation, upgrades, and design. These projects include roadway rehabilitation and expansion; water distribution and sewer collection system upgrades and expansions; stormwater management system improvements; land development; and landfill expansions and closures.

HANNAH DVORAK, E.I., *Master Planning and Detailed Design, , Cost Estimating, Easement Acquisition and Legal Support*

Hannah has more than three years of experience serving clients on utility infrastructure projects involving undergrounding conversions, water mains, and other utility design projects. She has direct experience on undergrounding projects in South Florida having worked on the design and permitting phases of several projects.

ERIN EMMONS, GISP, *GIS*

Erin has 20 years of experience as a transportation and community planner with a specialty focus in GIS and database development. She has managed projects involving environmental and socioeconomic assessments, asset management and utility evaluations, and corridor planning. Working closely with our planning team, Erin will be serving as the GIS analyst on the Kimley-Horn team to develop the map graphics associated with the master plan. She has been the lead GIS analyst on several Florida and Georgia DOT District office projects, as well as multiple MPO and local municipality GIS and transportation specific projects. Erin works to develop a GIS dataset based upon extensive field data collection and conversion of existing utility information assisting the team to create customized models, run complex spatial analysis, and manage organizational databases that can be applied across a variety of disciplines.

LAURA WITTENBAUER, *Grant Coordination/Cost Benefit Case Analysis*

Laura has nearly two decades of grant writing and administration experience, serving both private- and public-sector clients. Prior to joining Kimley-Horn, she worked as a senior process analyst for the City of Sarasota where she identified relevant grant opportunities and completed grant applications. She ensured that grant accounting and financial reporting was consistent with governmental accounting standards and kept within the terms and conditions of the grant. Her experience with Sarasota was preceded by her tenure in the private sector, where she served as a grant consultant. In this role she supported municipal clients, providing grant-related services from application through award. Laura understands and can apply the principles, practices, and procedures of government budgeting, cost analysis, financing, and funds administration. She can evaluate, audit, deduce, and assess data using established criteria through the lens of a public agency.

JON FORD, IMSA II, *Grant Coordination/ Cost Benefit Case Analysis*

Jonathan has more than a decade of experience with project management of transportation and systems management projects, specializing within the past seven years in the assessment and applications for third-party and grant funding. His experience includes application development, notice of funding opportunity identification and assessment, and merit criteria development. He is most skilled in technical project phases of funding applications, including but not limited to project budgeting, implementation planning, Benefit-Cost Analysis (BCA), and project readiness evaluation. His knowledge has been earned through the application development for all agency types (State, County, and local). In the past year, he has been involved with over 50 grant applications for more than 40 different agencies to support opportunities for programs like CDBG-MIT, RAISE, CARSI, HMGP, PIDP, INFRA, DEO Technical Assistance, various FEMA programs, and others.

MATTHEW FURSETZER, P.E., *Lighting Design*

Matt has 22 years of experience in roadway design with a specialty emphasis on lighting for FDOT facilities. For FDOT District Four, Matt has provided roadway lighting design services for approximately eight of the 10.5 miles of the I-595 Corridor Improvement project. He has also performed lighting assessment, photometric analysis, and cost-benefit analysis for safety improvements through our Districtwide Traffic Operations 3R Safety Review contract. Matt will identify and coordinate the

design of replacement lighting with the selection of standardized light pole fixtures. He'll coordinate with lighting vendors to select feasible alternatives; performed a photometric analysis of roadways in the area to establish pole spacing, setbacks, and mounting heights; develop lighting standards and details including foundation details and electric service points. His project responsibilities will include inspecting existing equipment, preparing lighting construction plans, and providing post-design services.

ADAM KERR, P.E., *Transportation and Traffic Engineering*

Adam is a transportation engineer with 22 years of experience in a variety of transportation planning and traffic engineering projects in South Florida. Adam's experience includes preparation of major developments of regional impact (DRIs), FDOT action plan analyses, data collection coordination, and computer modeling. He has prepared traffic studies, signal warrant analyses, and traffic signal designs locally throughout Palm Beach County. Adam has significant project experience providing traffic, planning, and modeling services in relation to impacts from undergrounding of utilities.

J. CASEY LONG, P.E., *Structural Engineering and Coastal Engineering*

Casey has more than 27 years of diverse civil and structural engineering experience on infrastructure improvement projects in South Florida. He has provided design and general consulting and structural engineering services for complete building systems including warehouses, office buildings, public safety facilities, and cruise terminals. Casey also has significant experience in masonry, concrete and steel building systems and truss framed roof systems. In 2015, he was honored as Engineer of the Year by the Palm Beach Chapter of the Florida Engineering Society (FES). Casey will serve as our structural engineering consultant to address building and site structural elements affected by project locations.

TORI BACHELER, PWS, *Environmental Engineering*

Tori has 11 years of experience working with state and federal agencies conducting endangered species surveys, delineating wetlands, designing wetland mitigation and restoration areas, and permitting projects throughout Florida. She also is a Florida Fish and Wildlife Conservation Commission (FWC) certified gopher tortoise agent for surveying. Her expertise includes conducting environmental assessments to determine potential listed species habitat and wetland habitat types to determine permitting implications. She works hand in hand with engineers to understand the permits required and permit limitations for a vast array of projects.

TOM HARGRETT, PLA, ASLA, *Landscape Architecture*

Tom is a landscape architect with eight years of public, private, and institutional design experience. He has been involved in projects that include landscape/hardscape design, irrigation design, project management, site planning, due diligence coordination, construction documents, cost estimation, and construction phase services. He has served local clients including the City of Fort Lauderdale, along with the City of Sunrise, the City of Oakland Park, and the Delray Beach Community Redevelopment Agency (CRA).

LUIS GUERRA, *Construction Phase Services*

Luis has 16 years of experience providing construction phase services to a wide range of public-sector clients. His direct knowledge of construction materials, lab and field testing, and inspection, will prove invaluable to the City of Fort Lauderdale on this contract. As our field representative for the Town of Palm Beach's Nightingale Trail/La Puerta Way Underground Utilities Conversion, Luis oversaw the installation of underground FPL, AT&T, and Comcast conduit, and associated transformers, vaults, pull-boxes, and handholes, etc. within Town right-of-way or easements, as well as a service conduit and service conductors on private property. This South Florida community shares many traits with the City of Fort Lauderdale, giving Luis a true firsthand look into the issues the City is facing. He has also worked on projects with earthwork, concrete, aggregates, asphalt, and stormwater, and has provided inspection services for notable projects including OB Johnson Park in Hallandale Beach.

PROJECT ORGANIZATION CHART

City of Fort Lauderdale

Principal-in-Charge
Gary Ratay, P.E.

Project Manager
Brett Johnson, P.E.

Quality Manager
Kevin Schanen, P.E.

Deputy Project Manager
Marissa Maring, P.E.

Master Planning and Detailed Design
Joshua Horning, P.E., LEED AP
Kaitlin Townsend, P.E.
Barton Fye, P.E., ENV SP
Hannah Dvorak, E.I.

SUPPORT SERVICES

Cost Estimating
Carlos Florian, P.E.
Hannah Dvorak, E.I.

Community Outreach and Resident Coordination
Lisa Stone, P.E.
Stefano Viola, P.E.

Easement Acquisition and Legal Support
Kaitlin Townsend, P.E.
Hannah Dvorak, E.I.

Assessment Services
Joe Williams
Raftelis

Utility Designating, Locating, Assessment, SUE
Lee Reumann, PSM/LS
InfraMap Corp.

Utility Coordination
Kaitlin Townsend, P.E.
Ryan Decle, E.I.

Surveying and Mapping
Marisha Kreitman, PSM
Avirom Surveying & Mapping

Project Staff Extension
Marissa Maring, P.E.
Tiffany Stanton, P.E.

Commercial Service Design
Russell Morrison, P.E.
Waypoint Engineering and Equipment LLC

Grant Coordination/Cost Benefit Case Analysis
Laura Wittenbauer
Jon Ford, IMSA II

Graphic Design and Rendering
Melanie Lynch

Civil Engineering
Ignacio Lizama, P.E.
Stefano Viola, P.E.

Structural Engineering
Juan Fuentes, P.E., S.E., S.I., LEED AP
J. Casey Long, P.E.

Transportation and Traffic Engineering
Adam Kerr, P.E.
Eric Regueiro, P.E.

Environmental Engineering
Tori Bacheler, PWS
Shelby Oenbrink, PWS

Mechanical Engineering
Clayton Scelzi
Jason Lee, P.E.

Geotechnical Engineering
Rutugandha Nulkar, P.E.
Terracon Consultants

Lighting Design
Matt Fursetzer, P.E.

Landscape Architecture
Tom Hargrett, PLA, ASLA
Jonathan Haigh, PLA, ASLA

Electrical Engineering
Mike Croteau
Russell Morrison, P.E.
Waypoint Engineering and Equipment LLC

Pre-Construction Services/ Constructability Review
Kevin Schanen, P.E.

Construction Phase Services
Luis Guerra

Water/Wastewater
Fannie Howard, P.E.
Jason Lee, P.E.

Stormwater Engineering/Modeling
Matt Brosman, P.E., CFM
Alan Garri, P.E.

Coastal Engineering
J. Casey Long, P.E.
Kailey Zdankiewicz

Historic Preservation
Blair Knighting, AICP

Cultural Resources
Ryan Collins, PhD, RPA
SEARCH Florida

GIS
Erin Emmons, GISP
Amber Crane

BRETT JOHNSON, P.E.

Project Manager

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Mechanical Engineering, Virginia Tech
- Professional Engineer in Florida, #74005

SPECIAL QUALIFICATIONS

- More than 17 years of civil engineering experience in Palm Beach County
- Focus on undergrounding of overhead utilities with a special interest in streetscape and park design
- Extensive construction administration experience
- Proficient in Autodesk AutoCAD Civil 3D

RELEVANT EXPERIENCE

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Project Manager. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Clematis Alley Utility Improvements and Overhead Utility Conversion, West Palm Beach, FL Project engineer for this utility overhead to underground conversion in the Clematis Street corridor in downtown West Palm Beach. Kimley-Horn performed the underground conversion design of all communication and electrical service lines for this commercial project on the south side of the 300 block of Clematis Street. Kimley-Horn designed the conduit and pullbox infrastructure for the electric services, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services. Kimley-Horn's project scope includes transportation engineering and planning consulting, utilities engineering, and construction phase services.

NW 11th Avenue Reconstruction, Boynton Beach, FL — Engineer-of-record for this local reconstruction project including the relocation and undergrounding of the utilities on the street. Responsible for project design and for coordinating with several City departments invested in the project. Elements of the reconstruction include adding a lane, providing an auxiliary lane for student drop-off/pick-up, and making a connection to an adjacent street. Additionally, Kimley-Horn designed the conduit and pullbox infrastructure for the electric services, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

Breakers Avenue Undergrounding Conversion Project, Ft. Lauderdale, FL — Served as project engineer. Kimley-Horn performed the underground conversion design for this streetscape project in Ft. Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project manager. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

MARISSA MARING, P.E.

Deputy Project Manager

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Environmental Engineering, Syracuse University
- Professional Engineer, 84325, FL

SPECIAL QUALIFICATIONS

- Has 11 years of engineering experience, including water/wastewater utility design, water/wastewater/reuse master planning, advanced water treatment processes and facilities design, hydraulic modeling, environmental remediation, preparation of engineering drawings, permitting, and site/plan preparation and review
- Experience with AutoCAD, InfoWater, and ArcGIS

RELEVANT EXPERIENCE

Breakers Avenue Undergrounding Conversion Project, Fort Lauderdale, FL — Project engineer. Kimley-Horn performed the underground conversion design for this streetscape project in Fort Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pull box infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

Rehabilitation and Upgrade of Triplex Pumping Stations, Fort Lauderdale, FL — Deputy project manager. Kimley-Horn developed plans and construction documents for the rehabilitation and upgrade of nine triplex wetwell/dry pit pumping stations to improve system performance, increase system efficiency, and reduce system maintenance. The pumping stations identified are A-8, B-4, A-20, A-22, A-27, A-29, A-23, A-31, and B-11, and the work included removal and replacement of mechanical, electrical, and ventilation equipment, replacement of pumps, pipes, valves, suction and discharge piping, wetwell/dry pit repairs and protective coatings, replacement and relocation of controls to above ground, and structural repairs. Our team evaluated of the current wastewater system flow patterns, pump station capacities, and pump station operations to develop rehabilitation requirements, evaluated force main capacity and connections for adjacent pipe replacement/upgrades, assessed gravity sewer piping to adjacent upstream manholes for rehabilitation, weighed options of pump station sites and available City right-of-way (ROW) for landscaping and architectural improvements, and examined pump stations B-4 and B-11 for the installation of new generator systems. In addition to the design services we delivered, our team provided permitting, contract document development, bidding assistance, and construction phase services.

Pump Station C-1 & C-2 Replacement and P12412 Pump Station A-16 Upgrade, Fort Lauderdale, FL
Deputy project manager. Under our continuing contract, Kimley-Horn has been retained to improve three of the City's existing wastewater pump stations to improve system performance, increase system efficiency, and reduce system maintenance. The proposed improvement and pump station locations are:

1. Replacement of Wastewater Pump Station C-1 located at Riverland Road and Okeechobee Lane
2. Replacement of Wastewater Pump Station C-2 located at SW 37th Terrace and Fairfax Drive
3. Rehabilitation and Upgrade of Wastewater Pump Station A-16 located at SE 4th Avenue and SE 11th Street

Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale, FL — Project engineer. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

Sistrunk Boulevard Surface Parking Lots, Fort Lauderdale, FL — Project engineer for the development of design plans for four public surface parking lots in various locations within the City of Fort Lauderdale. The design included designated accessible parking spaces per current ADA code and designated motorcycle parking spaces per City code requirements. A solar reflective coating was utilized as the lot surface treatment per the City's request.

KEVIN SCHANEN, P.E.

Quality Manager

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida, #60251
- Graduate, Florida Engineering Leadership Institute (FELI)

SPECIAL QUALIFICATIONS

- Has 26 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
- Past recipient of the Engineer of the Year award from the Florida Engineering Society, Palm Beach County Chapter
- Past recipient of an Outstanding Young Alumnus Award from the University of Florida
- Graduate of the Florida Engineering Leadership Institute (FELI)
- Board Member – University of Florida Engineering School of Sustainable Infrastructure and the Environment External Advisory Board

RELEVANT EXPERIENCE

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Principal-in-charge. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Master Planning for Key Biscayne Village-Wide Undergrounding of Utilities Program, Key Biscayne, FL — Principal-in-charge. 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.

Lake Towers Underground Utilities Conversion Project, Palm Beach, FL — Project manager for the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn designed the conduit and pullbox infrastructure for the electric and cable utilities (telephone was already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes and condominium being served from new underground utility infrastructure.

Nightingale Trail/La Puerta Way Underground Utilities Conversion, Palm Beach, FL — Project manager. Kimley-Horn served the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes being served from utility infrastructure in the front street rights-of-way.

St. Pete Beach Undergrounding Program Assessment, St. Pete Beach, FL — Served as Project Manager. Kimley-Horn assisted the City of St. Pete Beach with an overall review an assessment of their program to convert existing overhead facilities to an underground location along Gulf Blvd. Our work included reviewing design plans for electrical, communication, and streetlighting facilities, along with providing the City with guidance on how to proceed with implementation of the program which is being funded by a penny sales tax in the County.

GARY RATAY, P.E.

Principal-in-Charge

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Mechanical Engineering, University of Florida
- Professional Engineer, 0046682, FL

SPECIAL QUALIFICATIONS

- Has 38 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

RELEVANT EXPERIENCE

Pump Station C-1 & C-2 Replacement (P12410) and Pump Station A-16 Upgrade (P12412), City of Fort Lauderdale, FL — Project manager. Under our continuing contract, Kimley-Horn has been retained to improve three of the City's existing wastewater pump stations to improve system performance, increase system efficiency, and reduce system maintenance. The proposed improvement and pump station locations are as follows:

1. Replacement of Wastewater Pump Station C-1 with a new submersible station located at Riverland Road and Okeechobee Lane
2. Replacement of Wastewater Pump Station C-2 with a new submersible station located at SW 37th Terrace and Fairfax Drive
3. Rehabilitation and Upgrade of the existing dry pit/wet well Wastewater Pump Station A-16 located at SE 4th Avenue and SE 11th Street.

Pump Station A-16 also includes new force main piping installed with HDD technology for a direct connection to the City's force main system. The project includes system evaluation, pump station design, permitting, bidding assistance, and construction phase services.

Fort Lauderdale Executive Airport (FXE) Fiber-Optic Communications System, Fort Lauderdale, FL Project engineer. Kimley-Horn prepared construction plans and provided construction phase services for a fiber optic loop system around Fort Lauderdale Executive Airport (FXE). The system included a new central computer system and database to control 28 vehicle gates around the airport. The system is Ethernet/IP based and includes the flexibility for future modifications, including security cameras and data exchange. Approximately six miles of fiber optic cable was installed, and the system is now complete and fully functional.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Principal-in-charge for the design and construction of the Lloyd Estates Residential and Industrial Area Drainage Project. The project involved 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 included 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, A Federally-Funded Design-Build Project, Miami Lakes, FL — Project manager. Kimley-Horn assisted the Town in obtaining 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. Prior to obtaining the stimulus funding, Kimley-Horn assisted the Town in becoming Local Agency Program (LAP) certified so that the Town would be eligible to obtain the stimulus funding. Our team developed a design criteria package—in compliance with Federal funding criteria—which resulted in securing the stimulus funding and award of the project to the design-build team. 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.

JOSHUA HORNING, P.E., LEED AP

Master Planning and Detailed Design

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Purdue University
- Professional Engineer in Florida, #67505
- LEED Building Design + Construction, #10536265

SPECIAL QUALIFICATIONS

- Has 22 years of civil engineering experience
- Extensive experience in project management of large and small land development and infrastructure projects
- Effective management of production staff from design through construction administration
- Efficient design of water, sewer, and drainage facilities
- Successful client interface; managing expectations to deliverables
- Experience in overhead to underground utility conversions

RELEVANT EXPERIENCE

Master Planning for Key Biscayne Village-Wide Undergrounding of Utilities Program, Key Biscayne, FL — Project manager. In recent years, the Village has been investigating the feasibility of relocating existing overhead utilities (electric, telephone, and cable) to an underground location to enhance the safety, reliability and aesthetics of these facilities within the Village. In August 2017, Kimley-Horn was selected to be the engineer for the Village's undergrounding program. The design and construction of the undergrounding program is anticipated to take multiple years to complete. In order to balance potentially competing priorities such as cost, project duration, traffic impacts, etc. for this large-scale project, a Master Plan was developed in order to evaluate these priorities ahead of any detailed design of any single undergrounding phase. The Master Plan will serve as a guide for the overall program and outlines the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. To complete this Master Plan Kimley-Horn worked with the Village's appointed Undergrounding Utility Task force, Village staff, and key stakeholders in this conversion process included FP&L, Comcast, and AT&T. The Master Plan will be completed for ultimate approval by the Village Council.

Town-Wide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Utility Undergrounding, Sunny Isles Beach, FL — Project manager for the City of Sunny Isles Beach in a $6-million conversion of existing aerial utilities to underground facilities. The scope of this work involved right-of-way survey and existing utility research, utility design coordination and consolidated design plans for the conduit installation of existing utility providers including FPL, ATT, Comcast, Atlantic Broadband, and Hotwire as well as new conduit for future use by the City for internal communications. Project involved collaboration with FDOT project manager who has a RRR project scheduled to begin immediately after this work was complete. The project included a portion of their scope to avoid having to repeatedly restore existing roadway and sidewalk providing significant savings to the City and State. The project involves significant trenching along a busy stretch of Collins (A1A) in Sunny Isles Beach. Work will need to be completed at night considering the intensity of the pedestrian and vehicular traffic in the area. Worked closely with City staff to facilitate easement agreements with local residents and businesses to allow for FPL equipment placement and energizing.

Victoria Park Small Water Main Improvements, Fort Lauderdale, FL — Project manager for the City of Fort Lauderdale in a 53,000LF upgrade to their existing system. The scope of this work involves existing utility research, construction documents, permitting, specification preparation, bidding, and construction administration for the installation of new 6" water mains. Project involves close collaboration with City officials in the design review process and residents in the transfer of existing services to new facilities.

KAITLIN TOWNSEND, P.E.

Master Planning and Detailed Design, Easement Acquisition and Legal Support, Utility Coordination

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Master of Engineering, Environmental Engineering, University of Florida
- Professional Engineer in Florida #87791

SPECIAL QUALIFICATIONS

- Has nearly a decade of experience on a wide variety of water resources projects involving water main, pump station, and water treatment plant design
- Software experience includes ArcMAP (GIS) and AutoCAD

RELEVANT EXPERIENCE

Breakers Avenue Undergrounding Conversion Project, Ft. Lauderdale, FL — Project engineer. Kimley-Horn performed the underground conversion design for this streetscape project in Ft. Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

Clematis Alley Utility Improvements and Overhead Utility Conversion, West Palm Beach, FL Project engineer for this utility overhead to underground conversion in the Clematis Street corridor in downtown West Palm Beach. Kimley-Horn performed the underground conversion design of all communication and electrical service lines for this commercial project on the south side of the 300 block of Clematis Street. Kimley-Horn designed the conduit and pullbox infrastructure for the electric services, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services. Kimley-Horn's project scope includes transportation engineering and planning consulting, utilities engineering, and construction phase services.

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Nightingale Trail/La Puerta Way Underground Utilities Conversion, Palm Beach, FL — Project engineer. Kimley-Horn served the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes being served from utility infrastructure in the front street rights-of-way.

Master Planning for 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.

BARTON FYE, P.E., ENV SP

Master Planning and Detailed Design

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Miami
- Master of Civil Engineering, Water Resources, Norwich University
- Professional Engineer in Florida, #73898

SPECIAL QUALIFICATIONS

- Project manager with 18 years of experience in civil and environmental engineering design
- His expertise is in the design of stormwater management systems and his experience also includes paving, water, sewer, earthwork, and landfill design and evaluation
- Proficient in Autodesk Civil 3D©, Inter-Connected Pond Routing (ICPR©) model, and Hydrologic Evaluation of Landfill Performance (HELP) model
- 2012 Young Engineer of the Year Miami-Dade Branch American Society of Civil Engineers

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project engineer. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Project Engineer. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

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.

Miami Worldcenter, Miami, FL — Project Engineer. Kimley-Horn partnered with a private developer, the City of Miami, the Miami Community Redevelopment Agency (CRA), and other stakeholders in preparing typical sections for streetscapes for the City's largest proposed downtown project. Kimley-Horn also partnered with numerous utility companies to determine existing underground conditions. Once this information was obtained, we worked with multiple stakeholders to develop and evaluate various streetscape options for roads and avenues within the multi-block project limits.

Lake Patricia and Lake Katherine Undergrounding Study, Miami Lakes, FL — Served as Principal-in-Charge. Kimley-Horn performed a high-level feasibility study to assess the costs related to converting all aerial power and communications lines within this neighborhood to an underground location. Kimley-Horn performed field assessment, developed maps and underground conversion related cost projections for delivery to the Town. We also provided a presentation to the community to present the findings of the study.

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.

HANNAH DVORAK, E.I.

Master Planning and Detailed Design, Cost Estimating, Easement Acquisition and Legal Support

RELEVANT EXPERIENCE

North Beach Underground Utilities Conversion, Hollywood, FL — Project analyst. Kimley-Horn performed the underground conversion design for this coastal neighborhood project consisting of nine streets on the north end of Hollywood Beach. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing easement acquisition assistance, utility provider coordination, streetlighting design, FDOT and FDEP CCCL permitting, and infrastructure upgrade design services. Bid and construction phases services were also provided for the project.

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Project analyst. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Clematis Alley Utility Improvements and Overhead Utility Conversion, West Palm Beach, FL
Project analyst for this utility overhead to underground conversion in the Clematis Street corridor in downtown West Palm Beach. Kimley-Horn performed the underground conversion design of all communication and electrical service lines for this commercial project on the south side of the 300 block of Clematis Street. Kimley-Horn designed the conduit and pullbox infrastructure for the electric services, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services. Kimley-Horn's project scope includes transportation engineering and planning consulting, utilities engineering, and construction phase services.

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project analyst. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Undergrounding Feasibility Assessment, Tequesta, FL — Project analyst. Kimley-Horn worked to determine the feasibility of relocating existing overhead utilities (electric, telephone, and cable) to an underground location in an effort to enhance the Village of Tequesta's safety, reliability, and aesthetics. As part of this project, our team requested the records of existing power and communications facilities within the Village from the respective utility owners and conducted meetings with these providers to describe the intent of the feasibility assessment and request cost estimates for the conversion. Our team then performed a visual review of existing overhead lines within the project limits and input this data into a GIS base map showing the locations of existing overhead infrastructure. Using publicly available information from the Village and the Palm Beach County Property Appraiser, we evaluated existing right-of-way widths and the need for above-and-below-grade equipment necessary for the conversion but determined that only limited easements were needed to support the conversion.

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Engineering Intern, 1100026063, FL

SPECIAL QUALIFICATIONS

- Has more than three years of experience on a variety of undergrounding of utilities and water resources projects involving water main, pump station, and water treatment plant design
- Software experience includes ArcMAP (GIS) and AutoCAD

STEFANO VIOLA, P.E.

Community Outreach and Resident Coordination; Civil Engineering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Florida International University
- Associate of Arts, Engineering, Broward Community College
- Professional Engineer, 74655, FL

SPECIAL QUALIFICATIONS

- More than 18 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

RELEVANT EXPERIENCE

Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs, FL — Project engineer. Broward County implemented road improvements for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. As part of the roadway improvements the City of Coral Springs was required to relocate approximately 5,650 LF of 6", 8", 10", 12", and 16" watermain throughout the corridor. The City of Coral Springs selected Kimley-Horn to prepare the utility relocation plans that Stefano Viola, P.E. signed and sealed. Kimley-Horn prepared construction documents, permitted, and is providing post design services for this project while working closely with the City, County, and County's roadway design firm to ensure that little to no interruptions of the end users' services occurred.

Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale, FL — Project manager. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

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, A Federally-Funded Design-Build Project, 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.

NW 39th Street Canal Trail (C-13 Canal), Oakland Park, FL, Oakland Park, FL — Project manager. Kimley-Horn was retained by the City of Oakland Park for the design and construction of the NW 39th Street Canal Trail improvements along a portion of the northern and southern banks of the South Florida Water Management District's C-13 Canal between NW 21st Avenue and NW 29th Avenue, a combined distance of approximately 1.2 miles. The project involved the construction of pedestrian and bicycle paths with pedestrian-friendly lighting, landscaping/hardscaping, and wayfinding signage. Our professional services included surveying, civil paving, grading and drainage design, electrical lighting and pump engineering design, landscaping, irrigation, hardscaping, public involvement during design, permitting, bidding, and construction phase services.

IGNACIO LIZAMA, P.E.

Civil Engineering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil and Environmental Engineering, Cornell University
- Professional Engineer, 53868, FL

SPECIAL QUALIFICATIONS

- Leverages 30 years of institutional knowledge in service to municipal clients
- Keen understanding of the leadership and technical skills necessary to help ensure best project delivery and exceeding client expectation
- Established track record in the management, planning, design, and construction of significant engineering and infrastructure projects in South Florida
- Professional experience spanning every facet of the project cycle, including feasibility studies, design basis reports, master plans, detailed design, construction management, permitting, project outreach and client involvement

RELEVANT EXPERIENCE

36-inch Force Main Route Analysis, Miami-Dade Water and Sewer Department (WASD), Miami, FL
Served as senior lead engineer in the evaluation and preparation of a route study for new 36-inch force main in a highly urbanized area. The purpose of this project is to provide a redundant 36-inch diameter force main in parallel to the existing 30-inch diameter force main along Biscayne Boulevard (US1) from NE 203rd Street south to NE 163rd Street. A study was completed and included an evaluation matrix ranking route options among social, environmental, constructability, permit and construction costs. The recommended option was selected and approved to proceed into full detailed design of 16,929 feet of new force main.

36-inch Force Main Design, Miami-Dade Water and Sewer Department (WASD), Miami, FL — Serving as Project Manager during the design and preparation of bid documents for approximately 3.21 miles (16,929 feet) of 36-inch diameter force main including four 24-inch diameter force main connections to the existing force main. Trenchless construction methods will be designed of major roadways/canals, aerial crossings, air release valves, manhole access points and isolation plug valves along the corridor. Four micro tunnels will be used to cross railroad owned by FEC. Two canal crossings will be designed, one via horizontal drill (HDD) an the other via an aerial crossing.

Bee Ridge Water Reclamation Facility (WRF) Interim Process Improvements – Design/Build Project, Sarasota, FL — QC/QA Reviewer. As a subconsultant to a design-build team, Kimley-Horn is providing professional engineering services to enhance biological process at the WRF. Kimley-Horn performed wastewater characterization and biological process modeling (BioWin) to support the development of fast-track improvements needed to reduce nitrogen effluent. Kimley-Horn designed improvements for three of the four basins and fast tracked efforts with 90% plans and preliminary engineering report completed within 90 days of NTP. Construction is anticipated to commence in September 2021 and Kimley-Horn will provide technical services during construction and commissioning services.

Preliminary Wellfield Evaluation Implementation Plan, New Smyrna Beach, FL — Quality reviewer for five-year wellfield rehabilitation program for 23 water supply wells with a 8.33-MGD permitted allocation. Initial efforts included the development of the Preliminary Wellfield Evaluation Implementation which recommended a multi-year wellfield rehabilitation program based on evaluation of wellfield and well site hydrologic conditions, mechanical, and hydraulic systems.

Miami-Dade County Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's (WASD) Wastewater and Water Collection, Transmission, and Distribution System ISD Project No. E15-WASD-01, FL — Project engineer. Kimley-Horn has an on-call record to provide design and related services for the design of large diameter pipelines (36-inch or larger in diameter) for water transmission and distribution as well as sanitary sewer force mains and sanitary sewer gravity interceptors related to WASD's other capital improvement needs identified on the multiyear capital improvement plan.

West Villages Improvement District (WVID) Utility Engineering Services (includes Southwest Water Treatment Plant and Wastewater Treatment), North Port, FL — Project engineer. Kimley-Horn is retained to provide professional services for the design of a water treatment plant (WTP) to be located at the northwest corner of the intersection of the future West Villages Parkway and future Manasota Beach Road. The facility will utilize reverse osmosis (RO) membrane treatment and will be constructed in two phases equaling 5 MGD. Due to an aggressive schedule, the deliver method is Construction Manager at Risk (CMAR) and our team helped select and coordinate with the CMAR throughout design and preconstruction. Once constructed, it is anticipated the ownership of the facility will be dedicated to the City of North Port for ownership, operation, and maintenance. Therefore, all design elements, manufacturer requirements and treatment preferences will be approved by the City. Kimley-Horn prepared Preliminary Design Report, and is providing WTP design services and construction plans, source water hydraulic modeling and water quality projections, environmental and permittingservices, raw water wellhead and main designs, and concentrate line design services.

J. CASEY LONG, P.E.

Structural Engineering and Coastal Engineering

PROFESSIONAL CREDENTIALS

- Master of Engineering, Structural Engineering, University of Florida
- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida, #56083
- Professional Engineer in the U.S. Virgin Islands, #802PE
- NCEES Certification, #23162

SPECIAL QUALIFICATIONS

- Has 27 years of diverse civil and structural engineering experience on infrastructure improvement projects
- Has provided structural and civil design aspects for port/marine, industrial, commercial, military and educational facilities
- Extensive experience providing structural inspections, including waterfront/port structures, container yards, utility construction, roads, threshold structures, warehouse buildings, housing facilities, loading docks and wharves and piers

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project engineer. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Security Lighting Improvements, Port of Palm Beach, Riviera Beach, FL — Project manager and structural engineer. Responsible for the management of this security lighting project developed to upgrade the northwest quadrant of the Port to meet modern lighting requirements. Project consisted of the design of multiple 100-foot tall high mast poles and foundations as well as low mast poles by associated power distribution.

High Mast Lighting and Port Road Improvements, Port of Palm Beach, Riviera Beach, FL
Responsible for contract administration, daily site inspections of site work and foundation installation, daily reports, photo logs, Change Orders preparation, Payment Applications, conducting project progress meetings and developing minutes. Project consisted of 2.0 acres of site improvements and paving, high mast pole installation, foundations and trenching.

High Mast Lighting and Port Road Improvements, Port of Palm Beach, Riviera Beach, FL
Project manager and civil/structural engineer. Responsible for the design of the grading, drainage and utility improvements for this 2.5-acre site in addition to designs of 100' high mast pole foundations. Design included the conversion of this inefficient site into a flat container storage tarmac area with a maximum slope of 1%. Drainage system utilized existing outfalls into the Intracoastal in addition to new exfiltration trenches. Project was designed to meet the Florida Department of Environmental Protection Stormwater Standards.

Slip No. 3, Port of Palm Beach, Riviera Beach, FL — Project manager and structural engineer. Responsible for analysis, design, and construction document development for a bulkhead to –35 ft. dredge depth. Responsibilities also included development of a fast track construction phasing and sequence to accommodate the client's needs and to maintain full operation of the Port throughout construction. Assisted in design of utility relocation plans and specifications. Designed high mast lighting pole foundations. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 700 ft. long and 260' wide, this extension is a major addition to the port's berthing capacity and container handling operations.

Blue Lake Generator Building, Boca Raton, FL — Structural engineer. Assisted in the design of this multi-bay emergency generator facility. Design responsibilities include design of structural concrete framing, masonry walls, concrete double tee roof framing, and foundations.

Column Repair, Palm Beach Post, West Palm Beach, FL — Structural engineer. Responsible for the inspection and developing of repair methods for this precast concrete structure. Repair methods consisted of epoxy injection and carbon fiber wrap around 10 severely cracked columns.

Eastern Freight Forwarder's Repairs, Port of Palm Beach, Riviera Beach, FL — Project manager and structural engineer. Responsible for the design of the repairs to this metal building facility. Repairs to this facility were necessary as a result of a tornado striking this building and causing damage. Design responsibilities included a field visit and damage assessment, meeting with the client to discuss options and developing of bid documents for the repairs.

ADAM KERR, P.E.

Transportation and Traffic Engineering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Clemson University
- Professional Engineer in Florida, #64773

SPECIAL QUALIFICATIONS

- Has 22 years of experience in transportation planning and traffic engineering gained through a variety of transportation planning projects, including traffic impact analyses, Florida Department of Transportation (FDOT) action plan analysis, developments of regional impact (DRIs), data collection coordination, and computer modeling
- Experience in traffic signal design across multiple jurisdictions in Florida
- Experienced in development of regional impact (DRI) analysis and project management throughout the state
- Proficient in highway capacity software, Synchro, Florida Standard Urban Transportation Model System (FSUTMS) traffic modeling

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project engineer. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Townwide Undergrounding of Utilities Program, Palm Beach, FL —Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Various Traffic Signal Designs, Palm Beach County, FL — Prepared plan sets and opinions of probable cost for several private sector developers. Coordinated the structural analysis, geotechnical analysis, and the permit and approval processes. Designs were on major thoroughfares and required agency approval from Florida Department of Transportation (FDOT), Palm Beach County, municipalities, and various utility companies. Provided construction phase services for several signals. New signals designed and constructed, or under construction. Alton

Worth Avenue Restoration Project, Town of Palm Beach, Palm Beach, FL — Provided traffic engineering expertise for this roadway beautification project along one of the Town's most prestigious roadways. The project included the construction of a new roadway section, replacement and modification of various underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the corridor.

General Traffic Services, Greenacres, FL — Prepared reviews and comments of traffic studies and site plans as part of the City's development review process.

General Traffic Services, Jupiter, FL — Project manager responsible for the preparation of reviews and comments of traffic studies and site plans as part of the Town's development review process. Performed a study to determine the effects of adding the Bush Road connector. Prepared signal design plans and specifications package for the traffic signal at Toney Penna Drive and Pennock Lane.

Callery-Judge Grove DRI Analysis, Palm Beach County, FL — Developed in-depth DRI-level traffic analysis to determine the impacts of the proposed 4,000-acre development in unincorporated Palm Beach County. Involved extensive coordination with multiple municipalities, FDOT, Treasure Coast Regional Council, and the Florida Department of Community Affairs. Involved comprehensive review and analysis of long-term traffic patterns in the central-western portion of Palm Beach County. Provided support at numerous public information and community involvement events.

ERIC REGUEIRO, P.E.

Transportation and Traffic Engineering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of California, Irvine
- Professional Engineer, 86211, FL

SPECIAL QUALIFICATIONS

- More than 18 years of experience in civil engineering for roadway and land development projects, with emphasis on street improvement design, pavement condition analysis, grading and drainage, stormwater management, and sewer and water system design
- Technical skills support a wide range of projects, from local roadway improvements to major interchange, grade separation, and regional transportation projects
- Proficient in both of the major design softwares, AutoCAD Civil 3D and MicroStation/InRoads, and is able to design and model roadway plans using the client's preferred CAD software

RELEVANT EXPERIENCE

Tropic Isles Roadway Underground Utility Improvements, Delray Beach, FL — Project engineer. As part of infrastructure improvements for the Tropic Isle Neighborhood Area, Kimley-Horn was retained to provide engineering services for sanitary sewer, water main, stormwater management, roadway paving and lighting improvements with potential conversion of overhead utilities to underground. The area includes a total of approximately 5.75 miles of roadways.

Breakers Avenue Streetscape Improvements Project, Fort Lauderdale, FL — Project manager. Breakers Avenue lies at the center of the North Beach district in Fort Lauderdale Beach. The North Beach district is blossoming and has the opportunity to become a more desirable destination for tourists and locals alike. Breakers Avenue is situated adjacent to A1A, stretching from Riomar St. to Vistamar St., behind the hotels and restaurants that front the beach. New business and development is encouraging Breakers Avenue to become a more important corridor for pedestrian and vehicular traffic. With the reinvigoration and personalization of Breakers Avenue's street design, it can not only increase the desirability of the North Beach District, but also return breath life back into its artistic community. The new design of Breakers Avenue will keep tourism, history, and the arts in mind to design a street that improves the existing transportation and infrastructure. The goal of the project is to make Breakers Avenue comfortable, connected, safe, and a memorable destination experience. Breakers Avenue, will become a Complete Street that reduces the excess pavement, formalizes the seating and gathering spaces, and creates event spaces with the use of street trees, varied seating options, a unified material design, and a pedestrian friendly approach.

Dixie Highway and Atlantic Boulevard Improvements, Pompano Beach, FL — Assistant project manager for final design and construction documents for the reimagination of these corridors to provide bike and pedestrian friendly environment. This included shared-use paths along both sides of Atlantic Blvd and separated shared-use path along Dixie Highway. The Dixie Highway project limits are from McNab Road to Sample Road and Atlantic Boulevard from NW 6th Avenue to Cypress Road. This project is part of the City of Pompano Beach GO Bond program and includes beautification of the roadway to include paving, drainage improvements, sidewalks, lighting, parking, multiuse trails, landscaping, irrigation, and curbing.

SE 1st Street Final Engineering Design Services, Boynton Beach, FL — Project manager. Kimley-Horn was selected by the City of Boynton Beach to provide professional engineering services to for final design of the roadway improvements to SE 1st Street between Woolbright Road and SE 2nd Avenue. The project includes shared-use paths for pedestrians and cyclists and other improvements for a 0.75-mile segment of the roadway. The project is partially funded through the FDOT LAP program. In addition, the project included intensive public involvement, coordination with TPA and FDOT, shared-use paths, paving and drainage improvements, curbing, signing and pavement marking, railroad at-grade crossing coordination, and redesign of intersection geometry at SE 12th Avenue.

Turnpike Widening from HEFT to Johnson Street PD&E Study and Design, Florida's Turnpike Enterprise — Project engineer. Kimley-Horn provided simultaneous PD&E and design services to widen Florida's Turnpike Mainline from Homestead Extension of Florida's Turnpike (HEFT) to just north of Johnson Street in Broward County. The project included modifications to the Hollywood Boulevard interchange including a new ramp flyover and toll plaza relocation. An important aspect of this project was coordination of interchange modifications with future ORT implementation and construction of noise walls adjacent to residential areas. Our drainage design included storm sewer design and analysis, box culvert and cross drain analysis, and dry detention stormwater management system design. In addition, we provided street lighting analysis/design, signalization design, TCP design, signing and pavement marking for the widening of 3.7 miles of Florida's Turnpike Mainline from six lanes to eight lanes.

TORI BACHELER, PWS

Environmental Engineering

PROFESSIONAL CREDENTIALS

- Master of Science, Marine and Environmental Biology, Nicholls State University
- Bachelor of Science, Wildlife Ecology and Conservation, University of Florida
- USACE Wetland Delineation Training
- OSHA 24 Hour HAZWOPER Class
- Louisiana Plant Identification Class
- USGS GIS Remote Sensing Class
- U.S. Coast Guard Boaters Certification
- Gopher Tortoise Agent, FL, GTA-18-00039

SPECIAL QUALIFICATIONS

- Has 11 years of experience conducting wetland delineations, Florida scrub-jay surveys, gopher tortoise surveys and relocations, sand and blue-tailed mole skink coverboard surveys, Johnson's seagrass surveys, crested caracara surveys, wood stork, Florida sandhill crane, Florida burrowing owl, and protected wading birds' surveys
- Experience working with municipal, state and federal agencies
- Experience with NEPA documentation
- Experience with environmental permitting for a vast array of projects including seawalls and docks, utility installations, transportation improvements, residential and commercial development
- FWC Certified Gopher Tortoise Agent (Survey)

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Environmental scientist. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Florida Public Utilities Northlake Blvd, Palm Beach County, FL — Kimley-Horn is providing professional engineering and environmental services for this natural gas main extension in Palm Beach County along Beeline Highway and Northlake Boulevard. This 8" steel natural gas main is being installed along with a regulator station which will connect to an existing Florida Power and Light gas line. Our team provided numerous services including pre-application meetings with jurisdictional agencies, design plans reflecting the horizontal and vertical alignments based on survey and foreign utility information, prepared and submitted right-of-way permits and environmental permits. As environmental lead, Tori conducted a wetland delineation and a listed species survey. Environmental services also included obtaining an Individual Environmental Resource Permit from the Florida Department of Environmental Protection and a Regional General Permit from the US Army Corps of Engineers.

Listed Species Survey Southern Boulevard, Royal Palm Beach, FL — Environmental analyst responsible for conducting listed species survey at this approximately 12-acre parcel along Southern Boulevard. Analyst reviewed GIS databases from USFWS and FWC, along with reviewing the Florida Natural Areas Inventory for potential listed species occurrences. Analyst prepared a technical memo detailing listed species usage at this parcel. Kimley-Horn was tasked with providing a zoning change to this parcel, along with permitting and design plans for development.

5-Year Capital Improvement Plan (CIP) State Revolving Fund Submittal, Lake Wales, FL
Environmental analyst. The City of Lake Wales is proposing to submit multiple projects to the Florida Department of Environmental Protection (FDEP) to apply for a low interest State Revolving Fund (SRF) construction loan. The projects specifically include Burns Avenue plant, asbestos/cement pipe removal, northwest water line extensions, SCADA Interconnect, storage tank/ groundwater, water line (galvanized) replacement, reuse upgrades, SCADA upgrade, sewer improvements, and sewer lines. Kimley-Horn is providing specific planning documents to satisfy requirements of the SRF Loan Program for the proposed projects as well as a general description of the City's existing water, sewer, and reuse systems. These planning documents will evaluate various alternatives for each project. Environmental documents will also be provided as needed per each project. The City also may request certain additional services including construction plans, permitting, modeling of infrastructure, and flood studies.

Florida Public Utilities Juniper Creek, Gadsden County, FL — Kimley-Horn is providing professional engineering and environmental consulting services for this natural gas pipeline relocation in Gadsden County. This 4" steel natural gas main is currently situated in a conflict area with planned FDOT construction, with its new destination including a crossing under Juniper Creek. This project will ultimately result in the main being installed within public rights-of-way via horizontal directional drilling. As our environmental lead, Tori is delivering wetland delineation services and preparing permit applications with supporting documentation for an Environmental Resource Permit through the Florida Department of Environmental Protection (FDEP) and a Regional General Permit through the US Army Corps of Engineers (USACE). Environmental services also included a listed species survey.

SHELBY OENBRINK, PWS

Environmental Engineering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Environmental Science, University of Central Florida
- Gopher Tortoise Agent, GTA-14-00039F, FL
- BOA, RAG-23-00041, FL
- Pro Wetland Scientist, 3719, SWS

SPECIAL QUALIFICATIONS

- Has 11 years of experience Authorized Gopher Tortoise Agent Wetland Professional in Training (WPIT) in Florida

RELEVANT EXPERIENCE

SR A1A Streetscape Improvements, Fort Lauderdale, FL — Environmental scientist. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street along Fort Lauderdale Beach. The project consists of improving the sidewalk on both sides of the street outside of the curbing in order to provide a modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone, and improve pedestrian experience while walking along the beach and to its businesses. The trees and light poles are being consolidated near the back of the curb to open up the pedestrian zone and provide a clear walking path. Kimley-Horn is the prime consultant on the project, with a team of local subconsultants, and is responsible for providing the civil engineering, permitting, coordination, and other services for the complete project.

Wyn Cove Gopher Tortoise Survey, Indian River County, FL — Biologist on the Kimley-Horn team selected to provide one gopher tortoise survey to locate potentially occupied and abandoned gopher tortoise burrows within the project area. Burrows to be located with GPS and the survey to be completed using the Florida Fish and Wildlife Conservation Commissions guidelines.

Beach Cove Scrub Jay Survey, Vero Beach, FL — Biologist. A Florida scrub Jay habitat was found on the project site for the Beach Cove 55+ community. Kimley-Horn was tasked to conduct two formal scrub-jay surveys of the habitat area. Surveys were conducted in general accordance with the USFWS Scrub Jay Survey Guidelines. A report was prepared, providing a description of the habitat, survey methodologies, and a discussion of the survey results. A habitat map showing the location of the transects and call stations, locations of scrub-jays, and data forms summarizing the field survey was also included.

Veteran's Memorial Island Oyster Relocation, Vero Beach, FL — Project manager. The relocation of live oysters located within the footprint of the bridge, was required as part of the environmental permitting efforts associated with the repairs of the Veteran's Memorial Bridge. In order to meet Florida Fish and Wildlife Conservation Guidelines, Kimley-Horn will apply for Special Activities License prior to relocation efforts. Once obtained field efforts will be conducted to relocate oysters to adjacent areas.

Lowson Boulevard Roadway Improvements, Delray Beach, FL — Environmental scientist. Kimley-Horn was selected by the City of Delray Beach to provide professional engineering services to assist with the initial design and final design of the roadway improvements to Lowson Boulevard between Dover Road and S.E. 5th Avenue. The project included shared-use paths for pedestrians and cyclists and other improvements for a 2.5-mile segment of the roadway. The project was partially funded through the FDOT LAP program. In addition, the project included intensive public involvement, coordination with TPA and FDOT, shared-use paths, paving and drainage improvements, curbing, signing and pavement marking, two railroad at-grade crossings, signal modifications, and lighting improvements.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL — Environmental scientist. Environmental Analyst. This project included strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The design and construction tasks for this project included steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also included the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this $4-million project.

CLAYTON SCELZI

Mechanical Engineering

PROFESSIONAL CREDENTIALS

- Associate of Arts, Engineering, St. Petersburg College
- Certificate, Advanced Architectural Drafting, Pinellas Technical Educational Center

SPECIAL QUALIFICATIONS

- More than 17 years of experience working on a variety of projects for both private and public sectors including high-rise office buildings, mixed-use, hospitality, municipal, recreation, multi-family, and transportation
- Experience includes conceptualization, project design, plan preparation, specifications, drafting and modeling, rendering, life cycle cost analysis, computational fluid dynamic modeling, bid negotiation, construction administration including pay requests, construction inspections, project scheduling and budgeting, financial analysis, and forecasting
- Software includes Autodesk Revit, Revit MEP, Showcase, 3D Max, Navisworks, Vasari, Autodesk Simulation CFD, IESVE (Integrated Environmental Solution Virtual Environment), Equest, AutoCAD MEP, AutoCAD Trane Trace 700 Florida Energy Gauge Summit

RELEVANT EXPERIENCE

FEMA Hurricane Assessments, Charlotte County, FL — Project manager. The Kimley-Horn team provided FEMA damage assessments for Charlotte County after Hurricane Ian. This work included site visits and reporting for more than 70 utility sites, ranging from pump stations to water treatment facilities. Our team was able to complete this work within a week so that our Client, Charlotte County, could submit its request for support from FEMA.

41st Street Booster Rehabilitation Project, Miami Beach, FL — MEP Project Manager. Kimley-Horn is providing professional services associated with preparation of a Preliminary Engineering Report (PER) for the rehabilitation of the City of Miami Beach's 41st Street Booster Pump Station. The City's wants to replace existing equipment and systems throughout the booster pump station. Additionally, the City wishes to implement other improvements specifically related to hardening and resiliency that will be funded via a $900,000 grant issued by the Florida Department of Economic Development (DEO). The DEO grant was awarded under the Critical Facility Hardening Program where eligible projects seek to harden facilities serving a public safety purpose. This project will improve the resilience of this facility by installing a new back-up power generator above the 500-year floodplain elevation, providing improvements to the ventilation and AC systems, site accessibility, and storm proofing with the replacement of windows and doors with hurricane proof selections.

Clearwater Marina District Block A Medical Office Building MEP S Solar, Clearwater, FL — Project manager. Kimley-Horn is providing mechanical, electrical, plumbing, and fire protection engineering services as well as commissioning services associated with a 129,600-square-foot, three-story office building with integral two-level parking garage, rooftop terrace, and solar. Tasks include schematic design, design development, and construction documents phases, as well as permitting, and construction phase site visits and observation. Code required commissioning services will be provided. Roof top solar design and engineering services include electrical interconnection application support and process support, PV array electrical drawings. Structural services include canopy framing and parking design.

Johnson Pope Interior Renovation, Tampa, FL — Project Manager. Kimley-Horn is providing mechanical, electrical, plumbing, and fire protection engineering services for multiple floors of the Rivergate Tower. The project team will complete due diligence and preliminary engineering phases, produce construction documents, assist with permitting, and provide construction phase services. The project specified reuse of the existing HVAC systems, so the project team evaluated the existing ductwork for reuse. The team also rebalanced existing ventilation for the needs of this renovation.

501 W Church Street Repositioning, Orlando, FL — Project manager. The existing building located at 501 W Church Street is an existing office building with a data center. The renovation/repositioning of this building includes renovating the ground floor into multiple retail food and beverage areas, core and shell tenant office space, and a conference center with fitness, leasing, and back of house space. The second floor will be renovated into core and shell office space with a café and an outdoor patio located on the north end. Kimley-Horn is providing full MEP and fire protection engineering design services for the renovations to the ground, second, and terrace floor levels.

JASON LEE, P.E.

Mechanical Engineering, Water/Wastewater

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Mechanical Engineering, Florida Atlantic University
- Associate of Arts, Palm Beach Community College
- Professional Engineer, 67472, FL

SPECIAL QUALIFICATIONS

- Has 21 years of water resources and utilities engineering experience
- Serves as project manager for the design and construction of numerous utility projects throughout southeast Florida
- Specializes in projects featuring watermains, forcemains, sanitary pump stations, stormwater pump stations, and potable water high service pumping stations
- Mechanical engineering design experience includes providing HVAC systems for water plant safe rooms, ventilation and boiler system designs for condominiums, sound attenuated generator rooms, fleet fueling stations, and stormwater and sanitary pump stations
- Project engineer for various utility projects throughout southeast Florida

RELEVANT EXPERIENCE

Tropical Farms Reverse Osmosis (RO)/Water and Wastewater Treatment Plant Expansion, Stuart, FL
Project engineer. The project included the construction of Phase I and II of a 12-MGD membrane treatment plant. Provided construction phase services, including on-site engineering, shop drawing review, and start-up of the RO system and associated processes.

D-9 Stormwater Pump Station and Collection System 60-inch Piping, Palm Beach, FL — Served as engineer of record for the design, permitting and bidding and construction phases of the rehabilitation improvements to this stormwater pumping station at the north end of the Town of Palm Beach. Responsibilities during design phase included the leading the design of the structural modifications to the pump station building, wetwell, bulkhead, outfall pipe repairs, pump hoist system, hydraulic calculations for the pump discharge outfall, hydraulic calculations for pump intakes following Hydraulic Institutes guidelines, pump selection, building mechanical systems that include generator fuel system, generator ventilation, generator exhaust system, generator sound attenuation and building ventilation. Also obtained the ERP permit modification for the improvements. Responsibilities during construction phase services included shop drawing review, responses to contractor RFIs, field observations, coordination with onsite inspector, start-up of station that included generator, pumps, electrical equipment and controls, review of project record drawings, and project certification for SFWMD ERP permit. This project includes replacement of two existing 57 cfs 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, pump hoist system, and 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.

A-7 Inline Booster Pump Station (20-inch and 24-inch force mains), Palm Beach, FL — Project manager. Provided design services for this sanitary sewer inline booster station which will allow the Town of Palm Beach to discontinue pumping wastewater through a neighboring municipality's force main system to reach the ECR Treatment Plant. 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, installation of a new emergency generator, 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 continue providing pressurized air to a network of satellite ejector and expelsor style lift stations. The in-line station pumps approximately 5 MGD of the Town's wastewater west to the ECR Treatment Plant. The design included four 2,000-GPM, 35-HP variable frequency driven pumps, an electrical and generator building, a 24-inch influent force main, and a 20-inch effluent force main to route around the existing repump station.

15.0-MGD Nanofiltration Water Treatment Plant (WTP) Construction Phase Services, Jupiter, FL
Project engineer during the construction phase of this $37-million-dollar plant in the Town of Jupiter. Kimley-Horn developed a unique teaming approach with the Town during construction that has allowed the Town staff to be very involved throughout the process. This has allowed the Town to save a significant amount of money by reducing the amount of consultant fees that would normally be expected on a project of this magnitude.

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.

MATTHEW FURSETZER, P.E.

Lighting Design

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida, #63997

SPECIAL QUALIFICATIONS

- Has 22 years of experience in roadway design with a specialty emphasis on lighting for FDOT facilities
- Proficient in AGI 32, Microstation, AutoCad, MathCad, and Visual Basic software programs
- U.S. Navy veteran, Gulf War (Medals Awarded: National Defense Service Medal, Sea Service Deployment Ribbon (with 1 Bronze Star), Good Conduct Medal

RELEVANT EXPERIENCE

Breakers Avenue Undergrounding Conversion Project, Ft. Lauderdale, FL — Served as project engineer. Kimley-Horn performed the underground conversion design for this streetscape project in Ft. Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

Lighting Design Retrofit Project (Commercial Blvd.), FDOT District Four — Project manager on the team providing lighting design retrofit services as a subconsultant to another firm. Our responsibilities include the design and/or upgrades to 27 intersections along Commercial Boulevard in Fort Lauderdale. Services include coordination with the cities of Tamarac, Lauderdale by the Sea, and Fort Lauderdale. Our team developed construction plans for new light poles and luminaires to meet FDOT lighting level criteria. The project also included utility coordination, permitting with Florida Fish and Wildlife Conservation Corps, and minor sidewalk and electrical improvements.

Boca Raton Downtown Light Pole Standards, Boca Raton, FL — Project manager and helped direct selection of standardized light pole fixtures for downtown redevelopment projects. The City previously had a mix of high-pressure sodium, metal halide, and LED light fixtures; however, the aging lights were no long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. Kimley-Horn coordinated with lighting vendors to select feasible alternatives; performed a photometric analysis of three typical roadways in the area to establish pole spacing, setbacks, and mounting heights; developed lighting standards and details including foundation details and electric service points; and prepared standard lighting detail sheets for inclusion in the City's Engineering Design Standard's Manual.

SR 826 Palmetto Expressway from N Canal C-8 Bridge 162 Street to East of NW 67 Avenue, FDOT District Six, Miami Lakes, FL — Project Engineer. The project includes full roadway construction of SR 826, eastbound and westbound frontage roads including the interchange for SR 826 at NW 67 Avenue as a Single Point Urban Interchange (SPUI). SR 826 is to be widened to one Express lane, one inside auxiliary lane, three general purpose lanes, and one outside auxiliary lane with 12-foot inside and outside shoulders. Frontage Road typical section includes two lanes with a bike lane, curb and gutter and sidewalk. Florida Gas Transmission (FGT), numerous overhead and underground utilities are located within project limits. Services provided include lighting analysis and design and drainage analysis and design.

Boynton Beach Gateway Enhancements and Welcome Signage, Boynton Beach, FL — Project Engineer. Kimley-Horn provided landscape architecture, structural engineering, signage design, construction plans preparation, and construction observation services to design and construct two "Welcome to Boynton Beach" signs. One sign is located at the north city limits along Federal Highway (just west of Ocean Inlet Drive) and another sign at the south city limits in the median of Federal Highway (just north of Gulfstream Blvd). These beautification and general improvements are part of Boynton Beach CRA's overall plan to improve the City's aesthetic and provide enhanced gateways into the community. The signs were installed in January 2016. Key services provided: Obtaining FDOT Community Aesthetic Feature approval, City of Boynton Beach right of way permitting, coordination with FEC railroad, and electrical coordination with FPL for new service.

TOM HARGRETT, PLA, ASLA

Landscape Architecture

PROFESSIONAL CREDENTIALS

- Bachelor, Landscape Architecture, University of Georgia
- Prof Landscape Architect, LA6667512, FL

SPECIAL QUALIFICATIONS

- Landscape architect professional with over eight years of public, private, and institutional design experience
- Experience includes landscape/hardscape design, irrigation design, project management, site planning, due diligence coordination, construction documents, cost estimation, and construction phase services
- Software experience includes Land F/X and Irrigation F/X, Adobe Suites, and GIS

RELEVANT EXPERIENCE

Village Arts Plaza, Sunrise, FL — Landscape architect for the design of this public plaza in the City of Sunrise that includes streetscape improvements to the existing Village Civic Center, portions of NW 68th Ave (between Sunset Strip and NE 22nd Court), and portions of the Village Multipurpose Center complex and parking lot. The project includes redesign and reconfiguring pedestrian and vehicular spaces to increase public art visibility, enhancements to the public realm between two buildings to create a flexible event space for community gatherings and other uses. Assisted in the development of conceptual design graphics, landscape, hardscape, and irrigation construction documentation, and cost estimates.

Oscar Wind Park, Sunrise, FL — Project landscape architect providing professional landscape design services for the expansion of Oscar Wind Park in Sunrise, Florida. This project includes improvements and renovations to the existing park, as well as the addition of new space from the School Board. The upgrades include new walkways, improvements to the existing parking lot on the School Board Cypress Bay Annex site, and landscaping/irrigation improvements. The project also includes the replacement of the playground and construction of an outdoor fitness court.

Art Plaza Design Services, Sunrise, FL — Landscape architect for the landscape, hardscape, and irrigation improvements for the proposed Sunrise City Hall Campus, Parking Garage, and Amphitheater Great Lawn. Kimley-Horn serves as lead engineering consultant for site civil design, landscape and irrigation design, hardscape design, traffic and parking studies; permitting, and construction phase services. This project consists of a new 100,000-squarefoot City Hall building, a 600-space parking garage, covered pedestrian connections, and improvements and expansion of existing facilities including an amphitheater.

North Andrews Gardens Community Center, Oakland Park, FL — Landscape architect. Kimley-Horn is providing site development services for the North Andrews Gardens Community Center for the City of Oakland Park. The project includes demolition of the existing building and construction of a new one-story, 7,500-square-foot community center. Kimley-Horn's services include site civil engineering, landscape, irrigation, hardscape plans and calculations, traffic statement, and construction phase services. Additional services include regulatory agency permitting with the City of Oakland Park, Broward County, and the Florida Department of Environmental Protection (FDEP).

Hollywood Streetscape Phase 4, Stage 2, Hollywood, FL — Landscape architect. Kimley-Horn is providing planning, landscape architecture, civil and traffic engineering services for the City of Hollywood/CRA for Phase IV of streetscape improvements and undergrounding of overhead utilities along SR A1A and 18 intersecting east-west (E/W) side streets (Phase IV). Tasks for the parallel 18 E/W side streets phase include project management for the entire project; roadway design; signing and marking design and plans; paving and grading; drainage design; landscape, hardscape, environmental services and permitting, and irrigation. It also included coordination with FDOT regarding street flooding caused by sea level rise. Tasks for the SR A1A phase including roadway design, median modification, ADA improvements, traffic engineering, milling and resurfacing; public involvement; lighting analysis; signalization; drainage design; technical specifications; overhead line conversion and underground coordination and plan integration. Design is prepared for all 18 side streets between Harrison Street to Magnolia Terrace except for the Iris Terrace-Jasmine Street loop, which is constructed with the established design and A1A from just north of Hallandale Boulevard to just south of Hollywood Boulevard. Kimley-Horn will provide CMAR coordination and assistance during bidding and post design.

JONATHAN HAIGH, PLA, ASLA

Landscape Architecture

PROFESSIONAL CREDENTIALS

- Bachelor of Landscape Architecture, University of Arkansas
- Professional Landscape Architect in Florida, #6666795

SPECIAL QUALIFICATIONS

- Has 28 years of experience as a practicing professional landscape architect
- Skilled designer with park-related project experience throughout the Southeast United States: eight community parks of 60 acres and greater, more than 20 passive parks of varying size, and more than 50 miles of dedicated greenways
- Contributed, managed, and/or produced seven recreation master plans in five different states
- Directed the preparation of park-related construction drawings, detailing, and specifications
- Experienced in applying a practical and budget-friendly, yet creative design approach to each project
- Proficient in applying sustainable principles in project design and incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems
- Skilled designer with streetscape and roadway-related project experience throughout the South Florida
- Contributed, managed, and/or produced three recent "road diet" projects in Palm Beach and Broward Counties

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Project landscape architect. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Landscape architect. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Breakers Avenue Undergrounding Conversion Project, Ft. Lauderdale, FL — Landscape architect. Kimley-Horn performed the underground conversion design for this streetscape project in Ft. Lauderdale. Kimley-Horn was the overall design engineer for this transformative streetscape renovation that included undergrounding as a component of the project. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

300 Block Alley between Clematis/Datura, West Palm Beach, FL — Landscape Architect. Kimley-Horn is providing civil engineering services as part of the team designing improvements to the alley behind the 300 block of Clematis Street in downtown West Palm Beach. Improvements include undergrounding the overhead electric, pedestrian enhancements, lighting, and drainage. Upon completion, the alley will be transformed into a visually striking pedestrian space that will allow alley-facing properties to ultimately provide frontage on the alley to offer new leasing and merchandising options.

Nightingale Trail/La Puerta Way Underground Utilities Conversion, Palm Beach, FL — Landscape Architect. Kimley-Horn served the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes being served from utility infrastructure in the front street rights-of-way.

MIKE CROTEAU

Electrical Engineering

PROFESSIONAL CREDENTIALS

- Bachelor, Electrical Engineering/Computer Engineering and Mathematics, Florida State University

SPECIAL QUALIFICATIONS

- Bachelor of Science, lectrical/Computer Engineering and Mathematics, Florida State University

RELEVANT EXPERIENCE

West Substation Rebuild (Phase II), Vero Beach, FL — Project manager and technical lead. Due to the acquisition of a local municipality and multiple flooding events at the substation, a complete update of the yard layout, protection scheme, and new control vault was engineered in Phase I. Phase II added a new 138kV line terminal, the addition and replacement of an auto-transformer and the redesign of the 69kV yard to improve reliability and maintainability.

West Substation Rebuild (Phase I), Florida — Project manager and technical lead. Due to the acquisition of a local municipality and multiple flooding events at the substation, a complete update of the yard layout, protection scheme, and new control vault was engineered. This included structural and civil elements to raise the new vault eight feet above the previous height. A new 138kV line was provisioned for and the station was converted to a ring bus configuration. To accommodate the new configuration, an existing 138/69kV transformer was relocated. The critical status of this station dictated the use of a mobile substation and that sequential night outages be taken to minimize service risk.

Poinsett 500kV Autotransformer Installation, Florida — Project manager and technical lead for the install of three new 500/230 kV single phase autotransformers, three 500kV breaker replacements, a new medium-voltage shunt reactor, 500kV switch, changes to the existing structures and bus, and changes to the existing protection and control systems. Study work and corrective designs for lighting, grounding, and bus force strain were completed as part of this taskwork. New protection schemes were created for installed equipment with modification to integrate existing schemes. Civil and structural work was involved in the design of a custom firewall with removeable panels and custom SPCC oil containment pits.

Martin Power Plant/Switchyard, Florida — Project manager and technical lead. Replaced 10-500kV live tank breakers with dead tank breakers. Removed existing live tank breakers, freestanding current transformers, and control cabinets. Installed new foundations for breakers where a foundation retrofit was not feasible. Created BOM and installed new cabinets, bus supports, conduits, and cables for new breaker locations. Installed auxiliary relays to the breakers. Modified protection and control circuits to match new CT configurations. Assisted client and contractor to expedite material to meet aggressive and dynamic outage sequences. Provided construction support during installation and testing.

13.8kV/23kV Feeder Breaker Replacement Program, 42 Sites, 62 Breakers — Serviced as program manager and technical project lead. Replaced 62 breakers across 42 sites throughout the FPL service territory. Feeder breaker relaying was replaced with SEL-351S relays. Modified alarming (Ann & Supv) and SCADA/telemetry equipment was expanded or upgraded, as needed. Substation electrical and civil work was performed as determined by each station site walkdown.

Various 500kV Major Equipment Upgrades, Florida — Program manager. Favored vendor for major equipment replacement on the FPL 500kV network. Multiple breakers, 500kV/230kV transformers, capacitive voltage transformers, wave-traps and carrier equipment, motor-operated disconnect switches, gang-operated disconnect switches.

230kV/138kV Redundancy Upgrades, Florida — Served as project manager and technical lead. This brownfield project replaced/upgraded the high and low bus protection, 230/138 auto protection for three transformers, and four line protection panels. Included the addition of a secondary battery bank and separation of all AC and DC circuits. SCADA and DFR expansion was required as part of this effort. Major equipment replacements were completed where required. This site is a critical BES/CIP location. No Control house expansion was permissible under this work and construction phasing and coordination during the engineering phase was a significant effort.

FANNIE HOWARD, P.E.

Water/Wastewater

PROFESSIONAL CREDENTIALS

- Master of Science, Environmental Engineering, University of South Florida
- Bachelor of Science, Chemical Engineering, University of Florida
- Professional Engineer, 67506, FL

SPECIAL QUALIFICATIONS

- Project engineer with 20 years of engineering experience involved with utility projects throughout southeast Florida
- Hydraulic modeling, water distribution, wastewater collection, forcemain assessments, piping system modeling and analysis experience
- Has provided analysis of hydraulic models for potable water, wastewater, and reclaimed water collection and distribution systems
- Proficient with ICPR, GIS, WaterGems, WaterCAD, and Hydranautics (IMS design software programs)

RELEVANT EXPERIENCE

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

Lakeview District Water and Sewer Master Plan, Medley, FL — Project engineer. Kimley-Horn 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. In addition, Kimley-Horn 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.

Tropical Farms Reverse Osmosis (RO)/Water and Wastewater Treatment Plant Expansion, Stuart, FL
Project engineer for the expansion of Tropical Farms $25-million water treatment plant (WTP). Services included expansion of a new 8-MGD RO WTP. Kimley-Horn is providing all phases of design, permitting, construction, and SCADA system integration for the brackish RO WTP expansion. Integration of the RO WTP with the existing membrane softening plant was critical to conversion of the facility to a regional size plant, and included construction of an iron treatment facility that provided dual treatment for the nanofiltration and RO WTP permeate streams.

Belmonte Road and Pershing Way Water and Sewer Improvements, Phase I, West Palm Beach, FL
Project manager. The City of West Palm Beach retained Kimley-Horn to provide design, bid, and construction phase engineering services for the roadway and utility improvements in the El Cid Historic District of the City of West Palm Beach. The work will include construction of water main and sanitary sewer mains, rehabilitation of stormwater system, rerouting of water services and sanitary sewer laterals, and reconstruction of roadway (including curb, driveway, and sidewalk). The project also includes the potential relocation of Lift Station 9 due to the potential for sea level rise.

D-9 Stormwater Pump Station and Collection System 60-inch Piping, Palm Beach, FL — Project engineer for the design of the expansion of this stormwater pump station in the Town of Palm Beach. The project includes the expansion of the existing pump station from a capacity of 52,000 gpm to 90,000 gpm, wetwell expansion, generator and ventilation system design, sound attenuation design, cooling water system design, and collection system upgrades.

Wabasso Causeway 12-inch Water Main and 12-inch Force Main Replacement, Indian River County, FL — Project engineer. Sub-Aqueous Horizontal Directional Drilling (HDD) Utility Installations, Wabasso Causeway (CR 510), Indian River County, FL — Project engineer for the replacement of the existing water and sewer mains suspended from the underside of the Wabasso Causeway bridges. The project consisted of HDD installation of four 12-inch pipelines and two 24-inch pipelines placed under the Indian River Lagoon. The lengths of these installations range from 1,600 feet to 2,000 feet. The services provided for this project included design, permitting, and construction phase services. Permitting services required an environmental resource permit (ERP) from the Florida Department of Environmental Protection (FDEP) and the US Army Corps of Engineers (USACE).

MATT BROSMAN, P.E., CFM

Stormwater Engineering/Modeling

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer, 85460, FL

SPECIAL QUALIFICATIONS

- Has 11 years of experience Experienced in hydrologic and hydraulic modeling, bridge and culvert hydraulic design, and stormwater master planning
- Modeling experience with ICPR, XPSWMM, HEC-RAS, and EPASWMM
- Experienced with GIS data management and visualization
- Proficient with AutoCAD and skilled in ArcGIS ModelBuilder/Python programming and application

RELEVANT EXPERIENCE

Fort Lauderdale Executive Airport (FXE) Master Permit, Fort Lauderdale, FL — Project engineer. The purpose of the project is to conceptually approve future planned development as part of the airport's master permit for a surface water management system. Matt assisted with preparation of an ICPR model of the watershed surrounding and inclusive of the airport. As part of the overall analysis and permitting process, Matt also helped prepare a Letter of Map Revision (LOMR) for the property, in order to revise flood elevations to better reflect existing conditions. The LOMR is currently under local review.

Stormwater Master Plan, Southwest Ranches, Florida — Project engineer. The Town of Southwest Ranches is a rural, inland Broward County community known for its equestrian prominence. Kimley-Horn was selected by the Town to prepare a stormwater master plan to help reduce flood hazards and protect water quality. Our firm was tasked with updating the Town's drainage atlas, perform hydrologic and hydraulic modeling for the existing stormwater systems, and identify alternatives for improvements to address deficiencies in its stormwater system. Our analyses considered flood depth and flood time reduction improvements to level of service for each proposed alternative, leading to a capital improvement plan for proposed enhancements. This document was developed to provide the framework for implementing the recommended improvements to accomplish the identified goals. This project required coordination with the South Broward Drainage District and the Central Broward Drainage District.

Stormwater Master Plan Update, Lighthouse Point, Florida — Project engineer. The City of Lighthouse Point sought to update their stormwater master plan for the first time in more than two decades. Building on a recently developed partnership, the City tasked Kimley-Horn with the preparation of this update to assess the performance of the existing stormwater system and reduce flood hazards. This project considered previously planned and implemented stormwater improvements within the City and its goals included the delivery of an updated drainage atlas, hydrologic and hydraulic modeling for the existing stormwater systems, and identification of alternatives for improvements to address deficiencies in the system. The study's analyses considered flood depth and flood time reduction improvements to level of service for each proposed alternative and resulted in a capital improvement plan to provide the framework for implementation.

Multi-Basin Stormwater Assessments, Naples, FL — Project engineer. Kimley-Horn is currently assisting the City of Naples in developing a stormwater basin assessment for five selected basins within the City limits. As a low-lying coastal area, the City has experienced increasing flooding incidents and has developed a long-term plan to address the increasing flooding by basin. Our team is working with subconsultants WGI and ICF to develop short, medium, and long-range plans to address not only the current flooding occurring in the area; but also future flooding caused by climate change, including the impacts of sea level rise, and the increasing intensity return intervals of extreme events. Also included in these efforts are the financial models that will assist the City's decision makers in determining the long-term costs of sea level rise to the tax base and home values, and how changes supported by the planning efforts will mitigate those loses.

Business Case Analysis for the City of Miami Beach Stormwater Resiliency Program Pilot Project, Miami Beach, FL — Project engineer. Kimley-Horn led an integrated flood modeling task as a subconsultant to another firm. The purpose of the task was to assess four design storm events that represented 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 were mapped out by Kimley-Horn and provided to the City. The outcome of the project was 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.

ALAN GARRI, P.E.

Stormwater Engineering/Modeling

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Mechanical Engineering, University of Florida
- Professional Engineer, 70674, FL

SPECIAL QUALIFICATIONS

- Senior project manager with 22 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
- Additional experience with civil engineering, roadway design, transportation engineering, geotechnical engineering, construction management, and land development
- 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

RELEVANT EXPERIENCE

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.

Stormwater Pump Station at the Intersection of Alton Road and North Bay Road and Associated Stormwater Improvements for North Bay Road Design-Build Project, Miami Beach, FL — 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.

FDEP Water Protection Grant Application - US 441 Corridor Septic to Sewer Conversion Project, Hollywood, FL — Project engineer. Prepared a FDEP Water Protection grant application for the City of Hollywood, Florida, to convert existing septic systems to sewer to eliminate the use of septic tanks and private lift stations within a large area of the southern section of this neighborhood. It includes installing gravity sewers that will discharge directly to new city-owned and maintained wastewater pump stations. The project area is approximately 370 acres and is located northeast of the intersection of the Florida Turnpike and Hollywood Blvd. This project is expected to reach approximately 4,958 residents and will remove 1,893 septic tanks, 55 of which are on commercial properties. This project will remove 11,232 lbs of TN/year from basins for the C-10 Canal which discharges to the Intracoastal Waterway. The Canal and Intracoastal are listed as "Waters Not Attaining Standards." While a TMDL and BMAP has not been established for these water bodies, the City notes the importance of reducing nitrogen pollutants for water body health, to prevent algae blooms and widespread fish die offs. Awards for this grant have not yet been announced.

Water Quality Master Plan, Crystal River, FL — Project engineer. Kimley-Horn created a stormwater master plan for the City's CRA. This master plan was 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 are for economic benefit. Tasks include data collection and inventory, alternatives development, master plan development, and SWFWMD conceptual ERP. Kimley-Horn permitted a custom Conceptual Permit with the SWFWMD that focuses on improvements to water quality methods, creating a plan that improves quality runoff to King's Bay while still allowing redevelopment of the historic waterfront district.

Water Treatment Facility Feasibility Study/Blending Analysis, Ocala, FL — Project engineer. Kimley-Horn prepared a water treatment facility analysis for the recently constructed lower Floridan aquifer well and potential future well supplies. The purpose of the analysis was to plan the treatment necessary to treat the water supply to potable water quality, integration of the existing and new water treatment facilities, blending of the two water supplies, and identification of the optimal water treatment ratios of the existing and future treated water supplies. The project's scope of services included the specific tasks to gather information, develop treatment needs, perform necessary analyses, develop costs, and document the project results. The feasibility analysis focused on available treatment alternatives, anticipated water qualities and capital cost for each, integration techniques within the City, existing infrastructure and new blending facilities, and establishing the recommended road map for the City of Ocala's future treatment needs.

BLAIR KNIGHTING, AICP

Historic Preservation

PROFESSIONAL CREDENTIALS

- Master, Historic Preservation, Minor in Urban and Regional Planning, University of Florida
- Bachelor of Science, Psychology, University of Florida

SPECIAL QUALIFICATIONS

- 11 years of experience in historic preservation planning, analyzing zoning overlay regulations, land development entitlement procurements, and grant writing and management
- Qualified Secretary of the Interior Architectural Historian with a focus on historic preservation planning Experience with applying and managing Florida Division of Historical Resource Small Matching Grants

RELEVANT EXPERIENCE

Historic Preservation Services, DeFuniak Springs, FL — Project Planner. Kimley-Horn is providing professional consulting services related to the preservation of historical buildings and landmarks for the City of DeFuniak Springs. Founded in the late 1880s as a railroad stop, DeFuniak Springs is one of Florida's 40 oldest towns. The town has around 200 historic buildings; 40 or so of which are listed in the National Register of Historic Places. These historical homes, buildings, and churches are all located on Circle Drive in the historic district of DeFuniak Springs, Florida. This neighborhood rests on the banks of a perfectly round, spring-fed lake called Lake DeFuniak. Our specific services for the City include reviewing Certificates of Appropriateness applications for adherence to the historic preservation regulations and the Secretary of the Interior's Standards for Rehabilitation.

Phase II Historic Resources Survey, Dunedin, FL — Project Manager and Historic Preservation Planner. The City of Dunedin earned a Small Matching Grant from the Florida Division of Historic Resources for the City's Historic Resources Survey Phase II. This grant project builds upon the previous survey (Phase I) conducted by Kimley-Horn in January 2021. Our team is utilizing the Phase I survey data and the Phase II map submitted with the grant application to document up to 260 structures according to Chapter 1A-46 (Florida Administrative Code) requirements. Subsequent tasks include completing the required Florida Master Site File (FMSF) forms and attachments, drafting the survey report, and submitting the final report to the Florida Division of Historical Resources. Once reviewed by the State, Kimley-Horn will submit the final report, digital and hard copies of the FMSF packets, and the GIS data to both the State and the City.

Historic Resources Survey Report (HRSR), Jacksonville, FL — Project quality assurance and quality control (QA/QC) reviewer for the HRSR including 14 potential significant historic resources. As a reviewer, Kimley-Horn was required to review the entire document and determine if the report adequately described the resources. We also provided an evaluation of

Historic Preservation Services, Dunedin, FL — Project planner and historic preservation. Kimley-Horn was retained to provide historic preservation services for the City of Dunedin. Our services include Florida Master Site File (FMSF) training for the the Advisory Council on Historic Preservation (ACHP), Historic Resource Survey and Planning, and grant writing.

Historic Preservation Services, Defuniak Springs, FL — Project planner and historic preservation. Kimley-Horn was retained to provide historic preservation services for the City of Defuniak Springs. Our services include reviewing Certificates of Appropriateness applications for adherence to the historic preservation regulations and the Secretary of the Interior (SOI)'s

Historic Resources Survey Report, Georgia Department of Transportation, Atlanta, GA — Project Quality Assurance and Quality Control Reviewer for Historic Resources Survey Report including 14 potential significant historic resources. As reviewer, I was required to review the entire document, determine if the report adequately described the resources, if the evaluation of eligibility for listing on the National Register of Historic Places was accurate, and ensure the product was error free.

Ongoing Historic Preservation Services, Multiple Municipalities, FL — Currently providing historic preservation services to the City of Dunedin. These services include Florida Master Site File training for the Historic Preservation Advisory Committee, Historic Resources Survey Planning, Historic Resource Surveying, and Grant Writing. Blair is also providing historic preservation services to the City of Defuniak Springs. These services include reviewing Certificates of Appropriateness applications for adherence to the historic preservation regulations and the Secretary of the Interior's Standards for Rehabilitation.

ERIN EMMONS, GISP

GIS

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Urban and Regional Planning, Florida Atlantic University
- GIS Professional (GISP)
- Graduate Certificate in Geographic Information Science (GIS), University of West Florida

SPECIAL QUALIFICATIONS

- Has 20 years of experience years of experience as a transportation and long-range community planner, with a specialty focus in GIS, field surveying and GPS data configuration, and database development for asset management
- Project manager for the development and implementation of web and mobile, GIS based interactive applications
- Experience with Park+ software, a Kimley-Horn-developed software designed to dynamically model parking supply/demand
- Experience in socioeconomic assessments, market feasibility assessments, site selection and planning, including GIS administration, hazards planning, and support
- Experience in transit planning for both local circulators and regional transit networks, involving route development and modification, Origin-Destination analysis, and facility and amenity planning

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — GIS professional. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Lakeview District Water and Sewer Master Plan, Medley, FL — GIS Specialist. Kimley-Horn 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. In addition, Kimley-Horn 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.

On-Call GIS Services, Pinecrest, FL — Project Manager. Kimley-Horn has been contracted by the Village of Pinecrest as an on-call GIS consultant. Kimley-Horn provides on-site training to staff and has assisted the Village in the development and organization of their interagency database. Recent project support has included zoning and land use updates, website development coordination, and stormwater utility updates.

Bay Franjo Activity Center, Palmetto Bay, FL — Project Analyst. Led the land use and engineering team who, working with Village staff, developed the Village's Comprehensive Plan specific to this targeted redevelopment area and key central focal point of the Village. Kimley-Horn prepared the Comprehensive Plan Amendment and the supporting land use analysis including residential and non-residential carrying capacity based on the Village's future land use and zoning standards, utility/infrastructure analysis (water, wastewater, stormwater, parks), and the prepared the proposed build-out analysis based on the Village's economic and market study projections.

Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL — GIS Specialist. 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.

AMBER CRANE

GIS

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Geography, Florida Atlantic University
- Certificate, Geographic Information System, Florida Atlantic University
- Certified Public Manager, Florida State University

SPECIAL QUALIFICATIONS

- Has over nine years of Geographic Information System experience related to the planning and transportation industry, specializing in GPS mapping and data collection, data configuration, and database development for asset management
- Project manager for GIS Enterprise/Portal and ArcGIS Online administration, development and implementation of web and mobile GIS based interactive applications, including ArcGIS Collector/Field Maps, ArcGIS Survey123, ArcGIS StoryMaps and interactive public engagement applications and Dashboards
- Manage the development and implementation of customized applications and Esri solutions, as well as integration of third-party applications
- Led projects involving data collection efforts for utility data format conversions and asset inventory development

RELEVANT EXPERIENCE

GIS Data Conversion, Surfside, FL — GIS specialist. Kimley-Horn assisted the Town with digitizing and reviewing their existing utility GIS files and as-builts for submittal to Miami-Dade County as part of an annual submittal requirement to DERM. The work included the conversion of available electronic CAD files and existing as-builts provided by the Town into GIS. Attribute information was updated using available survey data and detailed as-builts. The final deliverable consisted of a complete GIS database and map packages.

Strategic Plan Online Resident Dashboard, Pinecrest, FL — GIS Analyst. Kimley-Horn assisted the Village of Pinecrest, Florida with the development of an online resident dashboard based on the Village's Strategic Plan. The Village's Strategic Plan included adopted goals, objectives, and target metrics for each Department and the online resident dashboard provided a way for residents, Village staff and Council, to review, visualize and track progress through the use of interactive maps, and dynamic charts and indicators reporting on real time information. The online website was developed leveraging the Village's existing Esri ArcGIS Online account, using Esri's ArcGIS Sites. In addition to reporting on community objectives, the public was also able to access information about their individual properties to obtain flood zone information, zoning and future land use designations, congressional and local representatives districts, as well as property appraiser information

Citywide Street Lighting GIS Services, Fort Lauderdale, FL — GIS Analyst. Kimley-Horn was contracted to provide support to update the city's existing GIS lighting inventory. The project includes updating and creating lighting infrastructure, developing interactive GIS web applications for in-house editing of the data, creation of Operation Dashboard for viewing data after mobile collection and validation, and development of staff training materials for field collection, web application and dashboard usage.

Districtwide Lighting Inventory Data Collection: CA306, FDOT District Seven — Task Manager. Kimley-Horn was selected by the Department of Transportation to perform the collection and processing of highway lighting assets within FDOT District 7 right of way through collaboration with FDOT Central Office and the District 7 Maintenance Office. The project included the development of a custom field data collection application utilizing Esri Survey123 to collect key attributes identified by the Department for existing highway lighting assets. Specific Tasks included the development of data collection training materials and training for field crew specific to this project as well as coordination meetings with the Department prior and during the collection of the assets.

DTPW Countywide Transportation Master Plan, Miami, FL — GIS Specialist. Kimley-Horn is supporting the Miami-Dade County Department of Transportation and Public Works (DTPW) with the preparation of the first ever Countywide Transportation Master Plan (CTMP). The CMTP will serve as a capital implementation plan for transit, pedestrian, bicycle, freight, roadway, and other transportation infrastructure projects for Miami-Dade County over the next 20 years. The Master Plan will establish criteria to evaluate and prioritize all DTPW transportation projects through a methodical, fair, equitable, and efficient process while maintaining consistency with the DTPW SHIFT305 Action Plan. The CTMP involves extensive public outreach to identify needs, as well as modal gaps within the transportation network throughout Miami-Dade County. The CTMP will feed directly into Federal planning documents, such as the Miami-Dade Transportation Planning Organization (TPO) Long Range Transportation Plan and the Florida Department of Transportation (FDOT) Transportation Improvement Program, providing the County with a single prioritized project list for all transportation modes.

North Bay Village GIS Data Conversion, North Bay Village, FL — GIS Analyst. Kimley-Horn assisted the Village with digitizing and reviewing their existing utility GIS files and as-builts for submittal to Miami-Dade County as part of an annual submittal requirement to DERM. The work included the conversion of available electronic CAD files and existing as-builts provided by the Village into GIS. Attribute information was updated using available survey data and detailed as-builts. The final deliverable consisted of a complete GIS database and map packages.

KAILEY ZDANKIEWICZ

Coastal Engineering

RELEVANT EXPERIENCE

McAllister Towing Marine Operations Center Improvements, Norfolk, VA — Project analyst. McAllister Towing has purchased an approximate three-acre lot at the foot of Southhampton Avenue in Norfolk to develop into marine operations center. This development will be a home base for their tug fleet and also support serving the offshore wind industry. Kimley-Horn is working with Clark Nexsen to develop a conceptual plan develop this property. This development includes dredging at the property, waterfront structures, land development, site utilities and a new building for shop and administrative functions. The waterfront design services include design of a 75-foot timber pier from north bulkhead to north pier; modify existing north timber pier to accommodate deeper dredge depth; design two 30' x 30' crane pad adjacent to north and west bulkheads; design two each mooring dolphins at Silo pier to accommodate 300' LOA vessel; design improvements to Silo pier to include fenders, access ladder and moorings; shoreline stabilization in the vicinity of the Silo Pier; design approximate 150 linear foot north bulkhead to dredge depth of 20+2' below MLW; and design approximate 125 linear west bulkhead to dredge depth of 20+2' below MLW.

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Old Dominion University

JUAN FUENTES, P.E., S.E., S.I., LEED AP

Structural Engineering

RELEVANT EXPERIENCE

University of Miami Seawall Upgrades, Miami, FL — Project manager. Kimley-Horn has been retained by the University of Miami to provide professional services for two phases of seawall replacement construction, including preparation of construction documents, and permitting, and construction phase services.

Seawall Improvements, Miami Beach, FL — Project manager. Kimley-Horn serves the City of Miami Beach under an on-call contract for various services. The City recently retained the firm for design services for the Dade Boulevard Seawall at the Miami Beach Convention Center. The new seawall is 993 feet in length and will utilize precast concrete post and panel framing system. The design will also incorporate a possible future bike path.

26 Edgewater Condominiums, Miami, FL — Principal-in-Charge and Engineer of Record (EoR) for this ten-story, 175,000-square-foot mixed-use building with 86 units. The project offers its residents a three-level parking garage and fitness center on the roof amenities deck. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading. The floor plates required special attention during the design phase due to the 30-foot span distance between the columns.

Collins Park Apartments, Miami, FL — Principal-in-Charge and Engineer of Record (EoR) for this seven-story, 124-unit building. The project utilized concrete columns and an eight-inch, post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Miami
- Bachelor of Science, Architectural Engineering, University of Miami
- Professional Engineer, 62426, FL
- LEED AP
- Spec Inspect Thresh Bldg, 62426, FL
- Structural Engineer, 081.006736, IL

LAURA WITTENBAUER

Grant Coordination/Cost Benefit Case Analysis

PROFESSIONAL CREDENTIALS

- Master, Business Administration, University of Phoenix/Nellis AFB
- Bachelor of Science, Social Work, Florida State University

SPECIAL QUALIFICATIONS

- Over two decades of grant writing and grant administration experience

RELEVANT EXPERIENCE

High Ridge TOD RAISE Grant, Boynton Beach, FL — Grant specialist. Kimley-Horn provided grant writing services for a Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant to conduct extensive feasibility studies for a Transit Oriented Development (TOD) for the High Ridge neighborhood. TODs are designed to connect people, traffic, and other activities around a transit station or transit hub. The High Ridge area of Boynton Beach is nestled around I-95 and Gateway Boulevard. The specific boundary of what the High Ridge TOD should include will be identified through the completion of multiple land use, transportation, and economic development studies and analyses.

Road Safety Widening Project (OASWP), Apopka, FL — Project manager. Ocoee-Apopka Road, an urban major collector serving local, regional, and national trips, is one of two main roads providing access to Downtown Apopka from the Cities of Ocoee and Winter Garden and unincorporated Orange County. The grant will fund construction activities related to widening the corridor to four-lanes with a divided roadway, landscaping, the addition of sidewalks, and the inclusion of a multi-use trail along the corridor aligning with Apopka's Trails Master Plan. The project will provide connections to three current trails in Apopka, while tying into the vast trail network spanning across Orange, Osceola, Lake, Seminole, and Brevard counties.

The Stockyards/Panther Island Connectivity Project, Fort Worth, TX — Grant Writer. Provided grant writing services for a Federal Railroad Administration Rail Crossing Elimination Program. The Project addresses grade separation by means of a bridge overpass to the railways below. The bridge connection will provide access to and from the 98-acre destination of the historic Fort Worth Stockyards. The bridge, additional roadway (including pedestrian and bicycle access), and signalization will provide equitable access, increased safety, increased access to jobs, and decreased traffic west of the Stockyard location; all while addressing the mobility of people and goods.

JON FORD, IMSA II

Grant Coordination/Cost Benefit Case Analysis

PROFESSIONAL CREDENTIALS

- Master of Engineering, Civil Engineering, Florida State University
- Bachelor of Science, Civil Engineering, Florida State University
- Traffic Signals II, BE_127156, IMSA

SPECIAL QUALIFICATIONS

- More than 10 years of experience with Transportation System Management & Operations (TSM&O) projects, including design, construction, operations, and maintenance

RELEVANT EXPERIENCE

Uptown Area Road and Infrastructure Improvements CDBG-MIT Grant Preparation, Indiantown, FL Grant specialist. Kimley-Horn prepared a Rebuild Florida Community Development Block Grant – Mitigation (CDBG-MIT) General Infrastructure Grant application on behalf of the Village of Indiantown to install stormwater infrastructure that will aid in the minimization of future flood events by facilitating the movement and drainage of water during and following a disaster, and together with improvements to the roadways, increase community resiliency in the Douglass Neighborhood. The City requested $12,864,623 in funding and will combine this funding with $700,000 in funding from the Governor's State Appropriation dollars and the Village General Fund for a total project cost of $13,564,623.

Douglass Neighborhood Roadway and Infrastructure Improvements CDBG-MIT Grant Preparation, High Springs, FL — Grant specialist. Prepared a Rebuild Florida Community Development Block Grant - Mitigation (CDBG-MIT) General Infrastructure Grant application on behalf of High Springs, Florida, to install stormwater infrastructure that will aid in the minimization of future flood events by facilitating the movement and drainage of water during and following a disaster, and together with improvements to the roadways, increase community resiliency in the Douglass Neighborhood. The City requested $12,734,800 in funding.

Wastewater Treatment Plant CDBG-MIT Grant Preparation, Crystal River, FL — Grant specialist. Prepared a Rebuild Florida Community Development Block Grant - Mitigation (CDBG-MIT) General Infrastructure Grant application on behalf of Crystal River, Florida. The City needs a new wastewater treatment plant. The current facility is at capacity and has exhausted its useful life. Crystal River's current wastewater treatment plant needs to be upgraded to provide a higher standard of wastewater treatment and to address the annual influx of population due to tourism. The City requested $20,450,000 in funding.

MELANIE LYNCH

Graphic Design and Rendering

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Communications, Florida Southern College

SPECIAL QUALIFICATIONS

- More than 20 years of experience in graphic design and computer graphics
- Expertise in developing multimedia presentations that integrate still images, video, audio, 2D, and 3D modeling and animation

RELEVANT EXPERIENCE

Community Redevelopment – Southwest Neighborhood Plan, Homestead, FL — Graphic designer. Developed the graphics and designed the overall look of the three-volume master plan that outlines the elements that must be implemented for the neighborhood to thrive. The Southwest Neighborhood Master Plan is truly a first class work plan for all future development within the 350-acre historic African American neighborhood in the City of Homestead.

Big Bend Scenic Byway, FDOT Scenic Highways, Leon, Wakulla, and Franklin Counties, FL Graphic designer. Designed 225-page eligibility application which included custom maps, professional photography, and complex charts. The proposed Big Bend Scenic Byway is a 220-mile multi-route corridor that traverses Leon, Wakulla, and Franklin counties. The goal of this project is to heighten awareness of the Big Bend region's history and outstanding intrinsic resources by designating scenic roadway corridors for the purposes of attracting the traveling public.

NE 3rd Avenue Streetscape, Delray Beach, FL — Graphic designer. The project included redevelopment of NE 3rd Avenue and the adjacent Artists Alley. In the study phase of the project, Kimley-Horn was tasked with developing the concept for the reconstruction and redevelopment of the street and the alley, which involved a number of stakeholder meetings and coordination with the arts community to develop a unified vision. Kimley-Horn assessed existing conditions and developed alternative concepts that were presented to the public. Kimley-Horn's planners, landscape architects, and engineers collaborated closely with City and CRA staff to develop presentations for the public meeting and address public comments.

RYAN DECLE, E.I.

Utility Coordination

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Florida Atlantic University
- Engineering Intern, 1100024730, FL

SPECIAL QUALIFICATIONS

- More than three years of experience as a project analyst supporting Kimley-Horn's Integrated Water team

RELEVANT EXPERIENCE

Townwide Undergrounding of Utilities Program, Town of Palm Beach, Palm Beach, FL — Project analyst. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. Ryan has supported teams working on multiple design phases and construction phases of this multi-phase, $100 million+ project.

Utility Engineering Permit Plan Review Assistance, Lake Worth Beach, FL — Project analyst. Kimley-Horn is providing assistance for Lake Worth Beach's Site Plan Review and Building Permit applications. Our team is supplementing City staff for review of utility engineering improvement plans and various other desktop engineering tasks. Our reviews help determine whether or not the improvements are in accordance with the City's Code of Ordinances and Utility Standards.

Cocoanut Row Watermain, Palm Beach, FL — Project analyst. Kimley-Horn is providing design, permitting, and bidding services for the replacement of approximately 2.500 linear feet of existing 16-inch watermain. The project is located along Cocoanut Row between Pendleton Avenue and Royal Poinciana Way. The watermain was installed in the 1940s and will be replaced by a 16-inch DIP watermain.

CARLOS FLORIAN, P.E.

Cost Estimating

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, Florida International University
- Professional Engineer, 80500, FL

SPECIAL QUALIFICATIONS

- Project engineer with more than 13 years of on-site construction inspections experience

RELEVANT EXPERIENCE

Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale, FL — Project engineer. Kimley-Horn worked with Sheltair to develop a fixed base operator (FBO) on the north side of FXE. We prepared construction drawings for site improvements that included hangar and office space and taxiway relocation. Kimley-Horn assisted the architect with processing the site plan by providing conceptual engineering drawings identified in the scope of work.

Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale, FL — Project engineer. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

OB Johnson Park, Hallandale Beach, FL — Project engineer for master planning, landscape architecture, engineering design, and permitting services, as well as construction observation and administration for this 6.4-acre park. The park included a 42,000 SF multigenerational facility that included a teen center, indoor basketball courts, after school and senior programming, exercise room, administrative offices, and other accessory uses for computer and dance classes, food distribution, and other programming for all ages. The exterior park amenities included a walking trail, playground, tennis courts, a field house, and a football/soccer field. Additionally, the park improvements included a centrally located surface parking lot, site infrastructure and landscaping.

TIFFANY STANTON, P.E.

Project Staff Extension

PROFESSIONAL CREDENTIALS

- Bachelor, Civil Engineering, Florida Atlantic University
- Professional Engineer, 85268, FL

SPECIAL QUALIFICATIONS

- Has more than 12 years of civil engineering experience

RELEVANT EXPERIENCE

Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale, FL — Project engineer. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

Sistrunk Boulevard Surface Parking Lots, Fort Lauderdale, FL — Project engineer for the development of design plans for four public surface parking lots in various locations within the City of Fort Lauderdale. The design included designated accessible parking spaces per current ADA code and designated motorcycle parking spaces per City code requirements. A solar reflective coating was utilized as the lot surface treatment per the City's request.

OB Johnson Park, Hallandale Beach, FL — Project engineer for master planning, landscape architecture, engineering design, and permitting services, as well as construction observation and administration for this 6.4-acre park. The park included a 42,000 SF multigenerational facility that included a teen center, indoor basketball courts, after school and senior programming, exercise room, administrative offices, and other accessory uses for computer and dance classes, food distribution, and other programming for all ages. The exterior park amenities included a walking trail, playground, tennis courts, a field house, and a football/soccer field. Additionally, the park improvements included a centrally located surface parking lot, site infrastructure and landscaping.

LISA STONE, P.E.

Community Outreach and Resident Coordination

PROFESSIONAL CREDENTIALS

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida, #56806

SPECIAL QUALIFICATIONS

- Has 26 years of roadway design and PD&E experience in Florida

RELEVANT EXPERIENCE

Overhead Utility Undergrounding – Initial Program Planning, North Palm Beach, FL — Public involvement manager. Kimley-Horn was recently selected to provide project management and engineering consulting services to support the Village's undergrounding program, which will include the conversion of all existing overhead electric power, cable television, internet/broadband, telecommunications, 5G technology and similar or related facilities to underground facilities. Initial program planning will serve as the basis for future services to aid in the final planning, design, and construction of the program.

SR A1A Signalization, FDOT District Two, Duval County, FL — Prepared specifications package with four TSPs for this project that involved milling and resurfacing and traffic signal upgrades. This project includes upgrading 17 existing span wire traffic signals along SR A1A to mast arm traffic signals. The project limits are Marsh Landing Parkway to the south and Mayport Road to the north. The traffic signals are currently interconnected with three separate overhead copper wire signal systems that will be upgraded to one continuous underground fiber-optic cable. Both upgrades will help minimize wind damage from hurricanes that are within FDOT wind speed for Duval County.

Lake Worth Neighborhood Road Program Year 1, Year 2, and Year 3, Lake Worth, FL — Project engineer on the team that provided the City of Lake Worth with civil engineering services consisting of roadway design and drainage design. The effort focused mainly on pavement rehabilitation on roadways with the lowest pavement condition index. In addition to pavement rehabilitation, Kimley-Horn designed new catch basins, additional traffic calming measures, and ADA compliant sidewalk routes to provide continuity in the neighborhood. Tasks include data collection, utility coordination, development of construction documents, bidding assistance, and observation during construction. Lake Worth Neighborhood Road Program Year 3 is still in design.

LUIS GUERRA

Construction Phase Services

PROFESSIONAL CREDENTIALS

- OSHA 10 Hour, 13478_1555374

SPECIAL QUALIFICATIONS

- Has 16 years of experience with construction materials including lab and field testing and inspection

RELEVANT EXPERIENCE

Nightingale Trail/La Puerta Way Underground Utilities Conversion, Palm Beach, FL — Field representative. Kimley-Horn served the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn designed the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes being served from utility infrastructure in the front street rights-of-way.

Baywalk Plaza Area Design, North Bay Village, FL — Field representative. Kimley-Horn 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 included 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. The contract was funded through The Florida Inland Navigation District (FIND).

Motorola at Plantation Pointe, Plantation, FL — Inspector. 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.

Avirom & Associates, Inc.

Marisha M. Kreitman, P.S.M.

Professional Surveyor and Mapper
State of Florida License No. LS6555

Years with Avirom & Associates: 30
Total Years of Experience: 30

Education:

Associate of Arts, Palm Beach State College, 2002
Bachelor of Arts, Florida Atlantic University, 2005

Certifications:

State of Florida, Professional Survey and Mapper, LS #6555

Affiliations:

Member of Florida Surveying and Mapping Society

Professional Experience:

Marisha Kreitman began working at Avirom & Associates as a draftsperson in 1994. She advanced to the position of Survey Technician while furthering her education. In 2005, she graduated Magna Cum Laude with a Bachelor of Arts degree in Geography with a minor in Geographic Information System (GIS) from Florida Atlantic University. She became a Professional Surveyor and Mapper in July 2006. Ms. Kreitman has acted in the role as Project manager and Project Surveyor. She has substantial knowledge and understanding of Surveying and Mapping. Her experience includes boundary and topographic surveys, route-of-line/topographic surveys, bathymetric surveys, platting, ALTA/ NSPS Land Title Surveys, condominium declaration exhibits and land descriptions with sketches for various documents such as submerged land easements, utility easements and land swap parcels. Ms. Kreitman has worked with clients to prepare special exhibits for submittal to governmental agencies and for court cases.

Marisha Kreitman, P.S.M.

Project Experience:

City of Fort Lauderdale

- *Las Olas Marina* — Design survey for marina excavation, DEP permit survey, specific purpose and topographic surveys; sketch and descriptions; submerged land leases
- *Pier 66 Hotel* — Specific purpose survey to update improvements and underground locates within specific area; as-builts; monitor building for vertical movement
- *Quay Shopping Center* — Boundary and topographic survey, FAA survey

City of Boca Raton

- *Arbor Condominium / The Bristal* – ALTA/NSPS Survey; sketch and descriptions
- *Boca Raton Golf & Racquet Club* – ALTA/NSPS survey with aerial mapping for City acquisition
- *Boca Raton Hotel & Beach Club (now The Boca Raton)* - Boundary, ALTA/NSPS, topographic and mean high-water line surveys; sketch and descriptions; underground utilities for mapping; platting; specific purpose survey with X & Y coordinates and submerged land lease field survey
- *Florida Atlantic University Research Park, Boca Raton* – ALTA/ACSM Land Title surveys; update improvements; location of underground utilities; layout signs
- *Three Thousand South Condominium* – Building package/construction services
- *Oceanfront Properties in Boca Raton* – Boundary, topographic, mean high water line, coastal construction control line, erosion control line and DEP permit surveys
- *Hillsboro/El Rio Park, Boca Raton* – GPS horizontal control, boundary, topographic and mean high water line surveys
- *Mizner Trail Golf Course* – Boundary survey, establish GPS controls and aerial mapping
- *Oceanview/Lakeview, Villa Oceana, Boca Raton* – Boundary, topographic, mean high water line and ALTA/ACSM Land Title surveys
- *City of Boca Raton, Downtown Promenade* - Base mapping of all existing above ground improvements, utilities, right-of-ways and easements for engineer's design
- *AT&T Surplus Land Project* – Plat preparation and processing; boundary, topographic, and tree survey; stand-alone surveys for separate lots

City of Boynton Beach

- *Dewey Park* - Topographic and tree survey

City of Davie

- *Broward College* - Topographic surveys for various buildings/locations of the college; specific purpose survey for 11 Emergency Call Tower Structures; lake cross-sections; maintain the college master plan

City of Delray Beach

- *City of Delray Beach City Complex* – Topographic survey
- *Delray Beach Knee Wall Project* – Topographic survey in accord with Department of Environmental Protection specifications for the construction of knee walls along State Road A-1-A at beach access points
- *Historical Society* – Topographic and tree survey
- *Pineapple Grove Pocket Park* – *Boundary and topographic survey*

LEE REUMANN, PSM/LS (FL # LS7222)

Survey Manager

lreumann@inframap.net | O: 561 586-0790 | D: 561 818-8770

YEARS OF EXPERIENCE
10+ years

YEARS WITH INFRAMAP
4+; 6 years with other firms

EDUCATION
BS – Geomatics (2013), University of Florida, Gainesville, FL

PROFESSIONAL LICENSES/ ACTIVE REGISTRATIONS
Professional Land Surveyor VA, GA, NC, SC, KY; **Professional Surveyor & Mapper, FL**

PROFESSIONAL AFFILIATONS
American Society of Civil Engineers – Member

Utility Engineering and Surveying Institute - Treasurer, Broward Chapter

American Society of Civil Engineers, Construction Institute – Member

ABOUT

Lee is a Florida licensed professional surveyor with more than a decade of experience in land surveying, general civil engineering, utility engineering, and project management. Lee has been the project manager for various subsurface utility designating and test holes surveys, large route surveys for engineering design purposes, construction surveys for multiple multi-million-dollar facilities, boundary surveys, topographic surveys, ALTA/ACSM surveys, specific-purpose surveys, and various other survey projects. He is proficient with AutoCAD Civil3D and managing/processing data. His consistent efforts have enabled numerous land surveying and civil engineering projects to be completed on time and within budget. Lee is a licensed professional surveyor in six states including Florida.

RELEVANT EXPERIENCE

PBCWUD Water Main Replacement/Relocation Projects, Palm Beach County, FL. ***Survey Manager***. Ongoing. Contract Value: $250,000. To date, Lee has performed several large route surveys for engineering design purposes (several miles of water main replacement and/or relocation). Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), collecting field data as leader of field crew, processing data using AutoCAD Civil3D, creating digital terrain models using AutoCAD Civil3D, depicting right-of-way locations, obtaining as-builts during construction, and preparing record drawings.

RFP 12665-1026, Program Management and Mapping Services (CCNA), Fort Lauderdale, FL. ***Survey Manager.*** Ongoing. Contract Value: $250,000. The InfraMap team provided 20+ miles of water main designating (quality level B) in accordance with current ASCE standards. InfraMap supports as a subconsultant partner for this contract, with Lee leading the InfraMap team.

Design of the Southport 24' FM to Glades Booster Pump Station, Port St. Lucie, FL. ***Survey Manager.*** 2019. Contract Value: $48,663. This project involved the design and construction services for a new 24" force main starting with a connection to an existing 24" force main at the intersection of Darwin Blvd. and Port St. Lucie Blvd. InfraMap provided subsurface utility engineering (SUE) services in support of this project as a subconsultant partner to Captec Engineering, Inc. The InfraMap team provided over 30,000 LF of utility targeting as well as excavation of 50 air/vacuum excavation test holes in accordance with ASCE standards at the project site. All deliverables were provided to the prime consultant on time and under budget.

St. Lucie County Midway Road 8" FM, St. Lucie County, FL. ***Survey Manager.*** Ongoing. Contract Value: $114,000. St. Lucie County maintains an 8" force main along the north side of Midway Road which turns and travels along the west side Glades Cut Off Road. In support of proposed roadway widening, InfraMap was tasked with subsurface utility locating as a subconsultant partner. The InfraMap team performed utility targeting services at the project location for 45 days in late 2022, marking approximately 90,000 LF of utilities. Air/vacuum utility test hole excavations in accordance with ASCE standards are anticipated to be completed in the second phase of this project. All deliverables required to date have been provided on time and on budget.

Joe Williams

Senior Manager

Specialties

- Utility cost-of-service & rate structure studies
- Bond feasibility reports
- Long-range financial planning & feasibility studies
- Impact fee studies (utility & municipal)

Professional History

- Raftelis: Senior Manager (2023-present); Manager (2020-2022); Senior Consultant (2018-2019); Consultant (2015-2017); Associate Consultant (2013-2014); Analyst (2012)

Education

- Master of Business Administration - University of Central Florida (2018)
- Bachelor of Science in Business Administration (Financing & Accounting) - University of Central Florida (2012)

PROFILE

Joe currently serves as a Senior Manager in Raftelis' Maitland, FL office. He has over 11 years of experience in financial, management, and rate consulting for utility and other municipal clients. His expertise lies in the areas of developing an array of financial studies including undergrounding assessment methodologies, utility rate studies, impact fees, bond feasibility reports, building fees, miscellaneous fees, and other related financial solutions based on technical analysis and unique needs of each client. He has worked with staff, leadership, and governing bodies for municipalities and utilities to find solutions to financial and managerial issues that can arise in providing sustainable and effective service delivery.

KEY PROJECT EXPERIENCE

Village of Key Biscayne (FL): Utility Undergrounding Methodology Study 2019

Raftelis was retained by the Village of Key Biscayne (Village) to review, analyze and recommend a Special Assessment, an equitable special benefit methodology to establish non-ad valorem assessments to fund the proposed utility undergrounding project the Village was considering. This methodology was tailored specifically to the unique property characteristics in the Village, which is heavily weighted towards condominiums and single family homes. This methodology considered several factors including but not limited to the size of each property, how many sides of the property have overhead lines (including where undergrounding was already done), and the fact that reliability of service was increased through undergrounding activities. Joe was the lead analyst on this project.

Town of Palm Beach (FL): Utility Undergrounding Methodology Study 2017

Raftelis developed a utility undergrounding methodology for the Town of Palm Beach that has been implemented and is currently being charged to fund the utility undergrounding program. This methodology accounted for several unique characteristics including lot size, density of development, and several properties and types that were accounted for in different ways. Joe was the lead analyst on this project.

City of Pompano Beach (FL): Utility Undergrounding Fee In Lieu 2023

The City of Pompano Beach (City) was exploring opportunities for collecting funds from new development and redevelopment in certain defined areas in the City to fund utility and electric undergrounding programs. Undergrounding of utilities in these areas is highly encouraged by City code, but is not often feasible for an individual parcel to do one at a time. To achieve the undergrounding of utilities, the City engaged Raftelis to explore a fee in lieu program where individual property owners would pay a fee designed to give the City funding to complete those undergrounding activities once sufficient funds were accumulated. This program was set up similar to other utility undergrounding methodologies but not ultimately adopted. Joe served as the project director.

Ryan Collins, PhD, RPA

Principal Investigator
Riverview, Florida

Ryan Collins, PhD, RPA, has 14 years of experience in archaeology. Dr. Collins has authored or co-authored over 70 technical reports, book manuscripts and chapters, journal articles, conference papers, and public outreach essays. Additionally, Dr. Collins has produced over 100 episodes of podcasts on anthropology and archaeology. He is experienced with Sections 106 and 110 of the NHPA, NAGPRA, and FERC environmental regulations. He completed his post-doctorate at Dartmouth College in 2022 as a Fellow of the William Neukom Institute for Computational Science. He is listed in the Register of Professional Archaeologists and his qualifications exceed those set forth by the *Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation* (48 FR 44716-42).

EDUCATION

PhD	2018	Anthropology. Brandeis University.
MA	2013	Anthropology. Brandeis University.
BA	2009	Anthropology. University of Central Florida.

PROFESSIONAL REGISTRATIONS AND ASSOCIATIONS

Register of Professional Archaeologists #4924

SELECT PROJECT EXPERIENCE

Phase I Cultural Resources Services for the Design of the Parkland Wedge Preserve Park Project in Parkland, Broward County, Florida. The archaeological survey of the 36-acre parcel included a pedestrian survey and 145 systematic shovel tests. All shovel tests were negative for cultural material, no artifacts or cultural features were encountered, and no further archaeological work is recommended. No NRHP-listed or -eligible cultural resources were identified. Conducted for CPH, Inc. for the City of Parkland.

Phase III data recovery for 444 Brickell Site 8DA19238, Miami-Dade County, Florida. Responsible for excavation, documentation, and monitoring ground disturbing activities. Conducted for Archaeological and Historical Conservancy for Related Group.

Phase IA Literature Review and Archaeological Survey Research Design for the Everglades National Park Potable Water Distribution and Wastewater Collection System, Miami-Dade, Collier, and Monroe Counties, Florida. The work includes replacing potable water distribution lines and wastewater collection lines located in 13 project areas with new piping Conducted for DOWL for the National Park Service.

Cultural Resources Services for the Suncoast Parkway (SR 589) Segment 3B from CR 495 to US 19 Project, Citrus County, Florida. The survey for this segment includes revised roadway alignment and the analysis of 25 ponds and floodplain compensation areas. The survey included a desktop study, a pedestrian survey, and 286 shovel tests, of which two were positive for cultural materials associated with previously recorded Site 8CI01037. The architectural history survey resulted in the identification and evaluation of three previously recorded linear resources (8CI01007, 8CI01457, and 8CI01459), one previously recorded resource group (8CI01454), and three newly recorded historic buildings (8CI01677, 8CI01678, and 8CI01679). Conducted for TLP Engineering Consultants for Florida's Turnpike Enterprise.

Rutugandha "Rutu" H. Nulkar, P.E.

Senior Geotechnical Engineer

PROFESSIONAL EXPERIENCE

Rutu has been practicing geotechnical engineering in South Florida for 19 years. A State of Florida registered professional engineer, she has managed several public and private sector contracts during her career. Her geotechnical consulting capabilities include providing services for various types of projects including buildings, roadways, bridges, and drilled shaft inspections. Rutu has performed geotechnical analysis and provided recommendations for the design of shallow and deep foundation systems for bridges and buildings, and slope stability analyses for levees and canals.

Rutu also has 19 years of construction materials testing and verification experience working on numerous Florida Department of Transportation (FDOT) projects and districtwide materials contracts. She has worked as an in-house geotechnical consultant with the District Materials Research Office (DMRO). Additionally, Rutu has led several geotechnical engineering and materials testing contracts and projects for clients including but not limited to the FDOT Districts 4 and 6 (D4/6), Florida Keys Aqueduct Authority (FKAA), Broward County, City of Fort Lauderdale, City of North Lauderdale, City of Lauderdale Lakes, City of Lauderhill, Palm Beach County, School Board of Broward County, and Nova Southeastern University.

PROJECT EXPERIENCE

Proposed MacArthur Causeway HDD Pipe - Miami Beach, FL

Project Engineer/Manager. The project site is located along the MacArthur Causeway approximately 1,000 feet east of the intersection of MacArthur Causeway and Bridge Road. The project consists of the construction of a horizontal directional drilling (HDD) pipe. Terracon performed subsurface exploration and geotechnical engineering services. The scope of services included the advancement of one test boring to a depth of 60 feet below existing ground surface. Laboratory testing was performed on soil samples obtained from the site during the field exploration. The purpose of these services is to provide information and geotechnical engineering recommendations relative to subsurface soil conditions, groundwater conditions, and soil parameters.

Florida Keys Aqueduct Authority (FKAA) C-111 Canal Crossing – Monroe County, FL

Senior Engineer. The proposed project consists of the construction of an underground pipeline that will traverse the C-111 Channel along the S. Dixie Highway/US Highway (Hwy) 1 in Monroe County, Florida. The new pipeline will be installed using HDD methods. Terracon's scope of services included the advancement of test borings, laboratory testing performed on soil samples from the site, engineering analysis, and preparation of a report. Provided information and geotechnical engineering recommendations relative to subsurface soil conditions, groundwater conditions, and soil parameters.

FKAA Snake Creek – Monroe County, FL

Senior Engineer. The planned project consists of the construction of an underground pipeline that will traverse the Snake Creek Channel along US Hwy 1. The new pipeline will be installed using HDD methods. Terracon's scope of services included the advancement of test borings, laboratory testing performed on soil samples from the site, engineering analysis, and preparation of a report. Provided information and geotechnical engineering recommendations relative to subsurface soil conditions, groundwater conditions, and soil parameters.

EDUCATION
M.S., Civil Engineering, University of Florida, 2004

B.S., Civil Engineering, V.J.T.I. Matunga, Mumbai, India, 2001

REGISTRATIONS
Registered Professional Engineer, Florida #70625

AFFILIATIONS
American Society of Civil Engineers (ASCE)

Florida Engineering Society (FES)

Florida Engineering Society/Florida Institute of Consulting Engineers Leadership Institute

YEARS OF EXPERIENCE 19

YEARS AT FIRM 19

OFFICE LOCATION
Fort Lauderdale, FL

CURRICULUM VITAE
RUSSELL C. MORRISON, P.E.

Engineering Manager-Waypoint Engineering and Equipment LLC

YEARS OF EXPERINCE: 37

EDUCATION

Graduate Certificate-Geospatial Informational Systems, North Carolina State University, 2020

Master of Environmental Engineering, University of South Florida, 1996

Bachelor of Science in Mechanical Engineering, University of Florida, 1986

REGISTRATION AND CERTIFICATIONS

Professional Engineer, Florida #51567, Georgia #24686, North Carolina #23365, South Carolina #30830, Texas #85690

Florida Building Code Administrative Core, Florida State University

REGISTRATION AND CERTIFICATIONS-WAYPOINT ENGINEERING AND EQUIPMENT LLC

Certificate of Authorization, Professional Engineering, Florida #29673, Georgia #PEF006075, North Carolina #P-1015, South Carolina #4805, Texas #F-20927

PROFESSIONAL EXPERIENCE

Owner/President/Project Manager, Waypoint Engineering and Equipment LLC, Jupiter, FL, 2010-present

Vice President/Senior Associate/Project Manager, Kimley-Horn and Associates, Inc., West Palm Beach, FL, 1996 – 2010

Engineering Designer and Project Manager, Florida Power and Light Company, 1986 – 1996

PROFESSIONAL SUMMARY

Mr. Morrison has a wide range of experience in several fields of engineering and construction, including electrical, mechanical, civil, and structural. Mr. Morrison has been involved in the electrical, telecommunication, and land development, industries an engineer and professional consultant since 1986. In the electrical industry, he has been involved in the design and construction management of high voltage electrical distribution networks and was directly involved in the restoration of distribution facilities in South Florida after Hurricane Andrew in 1992. He has been involved in new construction of distribution facilities, as well as overhead to underground relocation projects since 1986. Currently, he is working closely with Florida Power and Light Company and the Town of Palm Beach on a 10 year town-wide utilities undergrounding project. His involvement on the project includes electrical facility layout, easement acquisition, property owner and condo association coordination, and contractor coordination during construction. His additional electrical experience includes power quality analysis of sensitive electronic systems and system degradation by electric and magnetic field interference. Mr. Morrison's civil experience includes management of the design of utility systems, including pressure and gravity fluid flow systems, pressure pump systems for force mains, stormwater management systems, pavement design, and erosion control. His land development experience includes retail and commercial site development, with project sites over 100 acres in size, including management of stormwater and wet and dry utility systems, roadway and parking design. His structural experience includes managing the design of steel and concrete structures on existing facilities and new project sites. Over his career he has coordinated with contractors on project sites and performed inspections of concrete and steel structures. He has worked in the telecommunications industry, involved in system development for numerous wireless services providers in Florida, as well as other states in the southeastern US. His experience includes site approval on raw land and collocation projects, and he has been involved in multidiscipline engineering design of wireless base station projects. Mr. Morrison has interfaced with site developers, provided permitting documents, and managed the developer's permitting needs in local, state, and federal agencies. He has managed the engineering and approval process for new communication towers and formed a production team of engineers and surveyors for over 2,000 wireless site projects over his career. He has interfaced with tower owners and provided documents utilized in the leasing process for the proposed structures.

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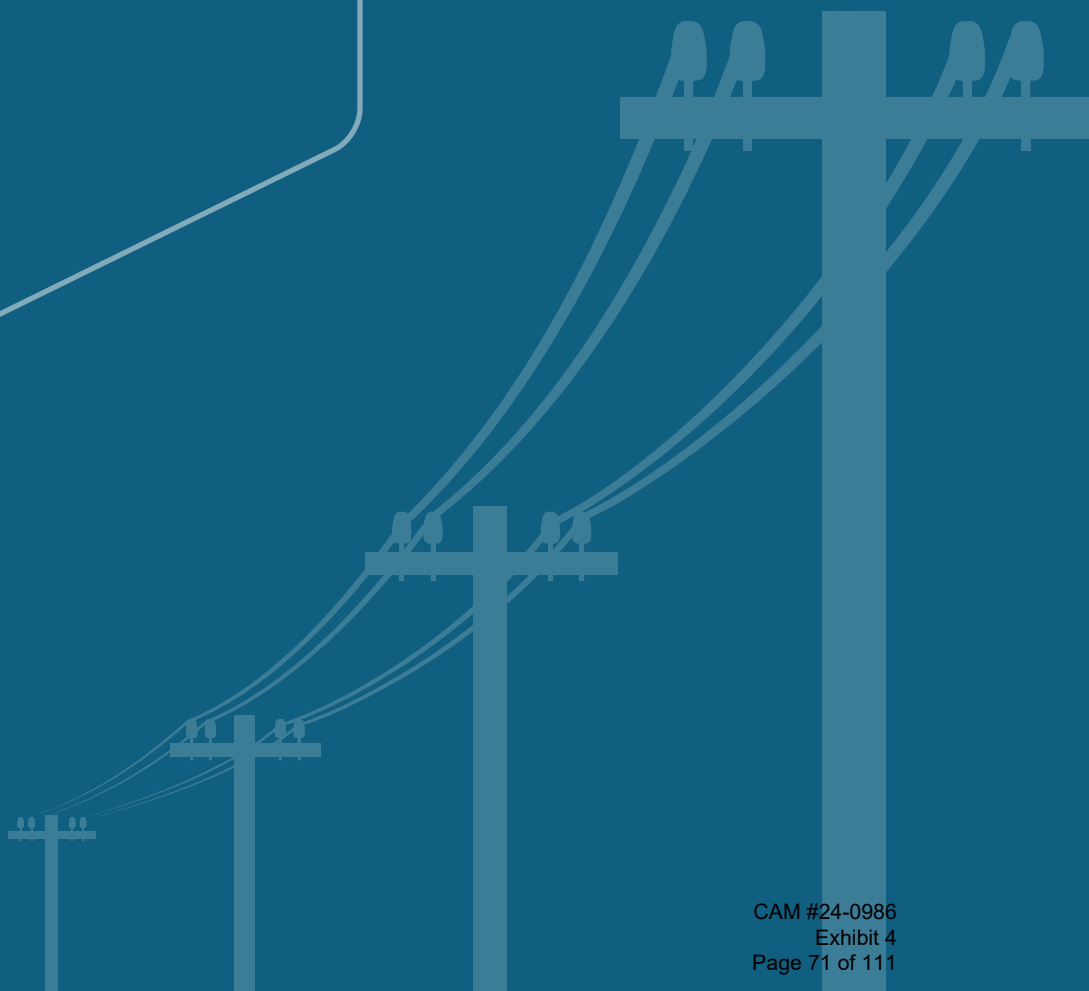
TAB 5

Approach to Scope of Work



5. Approach to Scope of Work

Kimley-Horn has a history of successful overhead-to-underground conversion projects for numerous public and private clients. We know that the burial of the overhead utilities can transform a community; both functionally and aesthetically. The removal of overhead lines from the skyline can be aesthetically striking and is often a significant motivator for conversion projects. More critically, the conversion will significantly improve the level of system resiliency and service reliability for the electric, telephone, and cable communications to the community.

To execute an overhead-to-underground conversion the City needs a consultant team they can trust—one who listens, understands, and has the local talent and proven experience to plan, design, and execute this type of project efficiently and cost-effectively. This is particularly true when the City anticipates relying on a consultant to serve as an extension of staff to perform on-call undergrounding projects for interested neighborhoods. Kimley-Horn is that consultant.

Kimley-Horn has successfully completed and is currently engaged in several similar projects and programs, such as the Townwide Undergrounding Program in the Town of Palm Beach, the Villagewide Undergrounding Program for the Village of Key Biscayne, as well as serving as an on-call Undergrounding Consultant for the City of Pompano Beach and the City of Miami Beach. This extensive undergrounding conversion experience, combined with the breadth of in-house expertise at Kimley-Horn, provides you with peace of mind that engineering and community challenges of any sort can be managed by your consultant. It is not just our expertise in undergrounding that sets us apart, it is our expertise in many areas ranging from roadway design to landscape architecture to structural engineering, and the ease with which we can bring that expertise together to solve problems efficiently and expeditiously. We have displayed this on many City of Fort Lauderdale projects that have been led by principal-in-charge, **Gary Ratay, P.E.** and deputy project manager, **Marissa Maring, P.E.** Collaborating with our in-house partners across multiple disciplines provides Kimley-Horn with a unique perspective and approach to completing project designs that is unmatched by other consultants.

Our project approach draws on our extensive experience in this unique field. This broad knowledge base allows you to be confident in the successful implementation of your undergrounding projects.

Keys to Success

Careful Planning. Large infrastructure projects based on a carefully prepared master plan in a manner that maximizes time/cost efficiency, minimizes project risk, and is sensitive to community impacts before, during, and after implementation.

Expert Team. These projects are unique, so having a local team that understands the very nuanced and difficult requirements that must be met in order to properly plan, construct, and commission new underground electric and communication systems is imperative to the success of the contract. The Kimley-Horn team has developed a unique process to accomplish this and has achieved great success where others have failed.

Communication. Responsiveness and a high level of communication between all parties involved, including the engineering design and construction teams, utility providers, City staff, City Commission, and City residents and business owners is essential. Communication is critical to managing schedules, budgets, and ensuring that the project meets the needs of stakeholders.

Staff Continuity. From planning to construction—continuity of consultant staff is a must. Kimley-Horn prides itself on being a great place to work—this is critical to staff continuity on our projects, particularly where teams are anticipated to work together for multiple years. Our team of professionals stick with you through the program from planning through design and construction. This continuity of team members through the entire project life cycle prevents steep learning curves and potential misinterpretations of design intent.

Strong Teaming Partners. Kimley-Horn has utilized our teaming partners on this assignment for numerous past projects and have selected this team based on the quality of their services, responsiveness, and successful project history. For this assignment, we have partnered with Avirom Surveying & Mapping for surveying, InfraMap for SUE services, Terracon for geotechnical engineering services, Raftelis for assessment services, SEARCH Florida for cultural resources, and Waypoint for commercial service design to supplement our experienced in-house utility undergrounding and public outreach staff.

Provide Community Outreach. Providing information about a project to the community can be as important as its design. We can prepare all exhibits/media, websites, newsletters, telephone/email information lines, present to the community, or simply provide support for City staff in their normal outreach efforts. We understand how to provide information to large groups through various mediums as well as how to have a one-on-one conversation in a resident's living room regarding an easement need.

Think Big Picture. We will look beyond each project: What are the long-term goals? What are the long-term opportunities for community enhancement? We will help the City identify opportunities to realize savings of combining efforts with other capital projects as we have with other community conversion projects.

Be Flexible. We understand schedules change (accelerated or delayed), project scopes change, and we must be prepared to deal with these changes. Our team is available at all times for any size task and can readily adapt and scale our services to the task at hand.

Think and Act as an Extension of the City Staff. Most importantly, our team will approach projects as though we are part of your staff. The City needs a consultant who understands the importance that aesthetics, traffic flow, and overall community impacts will play during the program will be vital to success. This requires a team of locally-based experts who have the right expertise and a commitment to client service.

TEAM ORGANIZATION

Effective project oversight is essential to providing positive outcomes on any project. Our approach to this project begins with leadership who understand this type of work, know the stakeholders involved, have proven experience with the successful execution of large-scale infrastructure projects, have thorough knowledge of undergrounding projects, and are committed to the success and implementation of your projects. As quality manager, **Kevin Schanen, P.E.** will provide high level oversight and offer the City a seasoned expert with a wealth of experience. Kevin possesses an abundance of electrical, civil, and telecommunications experience, having served as project manager for a number of municipal undergrounding programs, neighborhood overhead to underground conversion projects, and both large- and small-scale municipal infrastructure projects. He has also designed sub-station sites for FPL, as well as hundreds of communications facilities for AT&T, Verizon, Sprint, and others across the southeastern United States.

Day-to-day efforts will be overseen by project manager **Brett Johnson, P.E.**, who also has extensive undergrounding experience in Palm Beach, Boynton Beach, and West Palm Beach. Brett also brings unique perspective to our team in that prior to him joining Kimley-Horn, he worked for the Village of Royal Palm Beach as a staff engineer and project manager. Brett will be supported by **Marissa Maring, P.E.**, who has strong working relationships with City of Fort Lauderdale staff, residents, and stakeholders through her service on nearly a dozen City projects as project manager or deputy project manager. Brett and Marissa will leverage this unique experience to execute projects in a manner that considers not only design and construction needs, but also municipal processes based on a strong technical background in this scope area and our familiarity with the City.

Kimley-Horn can plan and execute this contract while maximizing efficiencies learned from past projects utilizing a network of internal staff and strategic teaming partners. Our multidisciplinary team will provide the City with a high level of service and a wealth of knowledge unparalleled in the industry. As project manager, Brett has the ability to call on the full resources of the firm to support the City of Fort Lauderdale as needed to meet project timetables.

Even the most experienced and dedicated manager would not be able to produce high quality work without a complete and committed team of professionals. We offer you a depth of staff and teaming partners unrivaled by other consultants in their experience with overhead to underground conversion projects. We have numerous professionals on our team with diverse experience and educational backgrounds capable of handling complicated and intricate contracts such as this one.

The process of undergrounding aerial facilities is a significant infrastructure undertaking for a community that will present schedule, cost, and coordination challenges. Effective management is essential to delivering successful projects on schedule and within budget. The success of a project is largely dependent on having a project manager who understands the importance of proper coordination, project phasing, and the interdependency of various tasks and team members. Outlined below are the key components to help ensure success on this contract.

INTEGRATED PROJECT MANAGEMENT

Kevin Schanen, P.E.
Quality Manager
High Level Oversight

Seasoned undergrounding expert

Brett Johnson, P.E.
Project Manager
Day-to-Day Efforts

Extensive undergrounding and municipal processes experience

Marissa Maring, P.E.
Deputy Project Manager
Day-to-Day Efforts

Dedicated service to the City of Fort Lauderdale on numerous projects.

OVERHEAD UTILITIES UNDERGROUNDING DESIGN

Kimley-Horn has prepared numerous underground utility designs across the country. This design experience is the foundation of our ability to provide timely, practical, effective design and execution. Just about every land development, transit, and major infrastructure upgrade we perform involves the installation of underground electric, telephone, and cable utilities. From simple services for commercial and residential buildings to streetscape renovations like Breakers Avenue for the City, to massive infrastructure projects like the Town of Palm Beach's Undergrounding program, Kimley-Horn has designed and extensively coordinated with the same utility providers that serve the City of Fort Lauderdale to deliver completed underground utility projects for many other clients. With our depth of overhead to underground conversion experience, Kimley-Horn can provide cost-savings benefits to the City and its residents by identifying and eliminating over-designed electrical and communications infrastructure that may only benefit the utility provider.

For this contract, we have partnered with Waypoint Engineering and Equipment, LLC to assist our team with the design of commercial services that are outside of FPL's responsibility to provide. As former FPL distribution engineer, Russell Morrison, P.E. has unique experience with FPL in the design of underground facilities. We are currently working with Waypoint in the Town of Palm Beach to provide commercial service design as many businesses have overhead service lines that need to be converted underground. FPL considers these services to be the responsibility of the customer to design and provide. Waypoint and Kimley-Horn have been working together in this capacity for several years.

ASSESSMENT SERVICES

Implementing a funding mechanism is one of the most critical elements of a successful undergrounding project. To support the City's efforts to secure funding for these projects through assessments, Kimley-Horn has partnered with Raftelis. Joe Williams and his team have worked with many municipal clients to develop assessment methodologies that connect the proposed assessments to be charged against the properties with the benefits received by such properties from the proposed improvements. Field work is an essential component in the development of a utility undergrounding assessment program to account for the fact that some areas do not benefit to the degree as other properties. As such, the methodologies will include unique characteristics of the City that establish approaches that reflect specific utility undergrounding projects. Engaging an experienced team for this type of proceeding is critical to spread the costs in a fair and equitable manner in compliance with Florida Law.

UTILITY PROVIDER COORDINATION

To execute overhead-to-underground conversions well, proper and constant coordination with utility providers is paramount to schedule control. Kimley-Horn has extensive experience in the coordination of dry utility design with various providers like FPL, AT&T, and Comcast. This level of coordination ranges from the provision of simple services for small-scale land development projects all the way to the relocation and/or undergrounding of various facilities related to large-scale infrastructure projects. Kimley-Horn has coordinated utility relocations, designs, and undergrounding on municipality-wide and various neighborhood and streetscape projects throughout southeast Florida. We anticipate that we will continue working with folks like Hau Tran and Andrea Castelblanco at FPL; Darrell David and Vincent Lim at AT&T; and Scott Strahn at Comcast, among others for the execution of projects under this contract.

It is critical to the success of these projects to coordinate effectively with the utility providers impacted directly and indirectly. Understanding that the list of utility providers operating within the limits of the City of Fort Lauderdale is lengthy and having the breadth of experience to have encountered each of these utilities over the course of many projects around South Florida will be key to making the connections and providing the right information to keep projects moving forward on timely schedules. These utility providers and affected parties include:

- FP&L
- AT&T
- Comcast Cable
- Crown Castle Fiber
- Florida Public Utilities
- Hotwire Communications
- City of Fort Lauderdale
- Broward County Traffic Engineering
- Florida Department of Transportation

Kimley-Horn negotiated the FPL invoices submitted to the Town of Palm Beach for the Phase 3 South and Phase 4 North areas of their undergrounding program. The net result of these negotiations was a net savings of $1.5 million dollars to the Town.

EASEMENT ACQUISITION

In densely developed areas, easement acquisition and coordination is key to the execution of the project, and our ability to oversee this process while managing design allows for the ability to adapt to acquisition challenges. Kimley-Horn regularly partners with municipalities on a variety of projects to acquire easements needed for public infrastructure. For example, throughout the undergrounding program in Palm Beach we have assisted the Town in acquiring over 860 equipment easements for the program. All of these easements were obtained by the property owner voluntarily granting the easement – none of the easements were provided in exchange for monetary

compensation which has allowed for a significant cost-savings to be realized by the Town. Kimley-Horn staff has been directly involved with these negotiations with property owners since the beginning of the program. Our experience includes obtaining numerous permanent easements for undergrounding projects. Kimley-Horn will employ the services of Avirom Surveying & Mapping, our project surveyor, to prepare the legal sketches and descriptions that will be used to describe easements on each property, as may be needed.

All of these easements were obtained by the property owner voluntarily granting the easement – none of the easements were provided in exchange for monetary compensation which has allowed for a significant cost-savings to be realized by the Town. Kaitlin Townsend, P.E. was personally involved in the negotiations of many of these easements and possesses the skills required to do the same in the City.

SURVEY

Avirom Surveying & Mapping will serve as the project surveyor for this effort. They have been involved with numerous infrastructure improvement projects across South Florida and have a very successful track record of delivering high-quality surveys and base maps that Kimley-Horn can use effectively to deliver construction documents. Additionally, Avirom has provided the Kimley-Horn team with design surveys, assessment maps, and easement sketch and legal descriptions for many past undergrounding projects and will do so again for this contract. The firm has a large team of survey crews across multiple offices in South Florida and has provided a high level of service to Kimley-Horn in their past work.

SUBSURFACE UTILITY LOCATING

For any underground-related work, it is important that the design team know what exists underground as input to master planning and design—and before the selected contractor begins excavation. Performing up-front investigative work is an investment that always pays off in the form of reduced scheduling delays and change order costs. For this project, we have selected InfraMap to provide subsurface investigation services to help the design team identify existing utilities and develop locations for the new electric and communication conduits to be properly installed.

GEOTECHNICAL INVESTIGATIONS

We understand that trenchless methods of conduit installation are desirable to limit restoration needs and construction impacts associated with the program. Kimley-Horn has a lot of experience with this method of construction, having employed it on most other undergrounding conversion projects we have designed. Because it is anticipated that trenchless horizontal directional drilling will be used extensively for the construction of the electrical and communications conduits, we have partnered with Terracon to provide geotechnical investigations where appropriate to determine existing soil conditions.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Kimley-Horn utilizes GIS technology daily to provide efficient, dynamic, and effective services to our clients. Our experience with data evaluation, management, and development provides us the ability to perform and create customized models, run complex spatial analysis, and manage organizational databases that can be applied across a variety of disciplines. This expertise can be leveraged to plan, execute, track, and document projects of any type, but can be particularly effective for projects like these which require the coordination of multiple overlapping utility networks.

For example, for the Village of Key Biscayne, GIS was used extensively to quantify existing overhead infrastructure, pole mounted lighting that would need to be replaced once conversions were complete, existing underground infrastructure in the project area, and to illustrate proposed project phasing.

LANDSCAPE ARCHITECTURE

Kimley-Horn's in-house landscape architects can help to implement landscape screening of the new equipment should the City desire this service throughout the implementation of the program. Our team has prepared designs for numerous other communities in an effort to preserve the aesthetic qualities of the community after infrastructure such as transformers, switch cabinets, and communications equipment is installed. Our team provides the right landscape professionals that can provide a level of treatment complementary to the existing area whether that area be an urban corridor or the front yard of a private residence.

TRANSPORTATION ENGINEERING

Much of the conduit and equipment infrastructure required for this contract will be installed within public rights of way. Understanding how this infrastructure will interact with both state and local roadways will be very important to successfully design, permit, and construct the improvements. Roadway design and planning is one of the mainstays of our firm's professional practice and we are well equipped to address all related aspects of roadway design when approaching the design of the conversion improvements. Collectively, our engineers have been responsible for the design of more than 3,500 miles of roadway, much of it here in Florida. Our staff is also well versed in designing maintenance of traffic (MOT) plans that balance all modes of traffic in an efficient and effective manner. MOT is no longer just about ensuring smooth and reliable vehicular traffic, but must also ensure that other modes of travel, pedestrians, bicyclists, and the physically handicapped are safely and efficiently moved through and around the construction zone. Kimley-Horn staff have provided MOT plans and strategies for numerous projects, including undergrounding conversion projects, throughout Florida.

UTILITY ENGINEERING AND TRENCHLESS DESIGN

Kimley-Horn has extensive experience with pipeline and conduit construction, including conventional installation and horizontal directional drilling (HDD) projects. We routinely interact with and have long-standing relationships with permitting agencies to procure permits for unique pipeline and HDD projects, including those involving subaqueous crossings under sensitive wetlands and under Waters of the State. Representative projects include crossings of the Indian River Lagoon (an Outstanding Florida Water), the Intracoastal Waterway, and ocean outfalls which require special monitoring where drilling procedures are exposed to variable conditions.

Kimley-Horn has designed thousands of feet of electrical conduit, communications conduit, storm, gravity sewer, force main, airline, and potable water pipelines. Most communities we work with on undergrounding projects desire those projects to be implemented with HDD methods. We leverage this experience and integrate the local nuances which allow us to successfully complete these types of projects—especially within the tight urban and residential corridors that exist within the City of Fort Lauderdale.

STRUCTURAL ENGINEERING

Structural engineering has been a specialty discipline at Kimley-Horn in Florida for nearly 45 years. Underground utility projects tend to have a few components that require structural engineering, particularly where connecting to existing facilities. Kimley-Horn offers expertise in design, construction, inspection, and evaluation of a variety of structures, including culverts, buildings, parking facilities, seawalls, bridges, retaining walls, commercial facilities, warehouses, water plants, and water control structures. In addition, we provide forensic evaluations, hurricane preparedness, and damage assessment services. Our structural professionals have developed plans and specifications for projects ranging from simple foundations to complex multi-level multi-purpose structures. Our engineers are very familiar with local, state, federal, and national design codes and requirements and well versed in the design and analysis of concrete, steel, aluminum, wood, and masonry structures.

ENVIRONMENTAL PERMITTING

In the event that any of the work will require coordination with the Florida Department of Environmental Protection (FDEP) for subaqueous cable crossings or for any coastal engineering and permitting needs, our environmental engineers cover the gamut of concerns that could arise. We have successfully represented numerous institutional, national, and local clients before federal, state, and local agencies, including the South Florida Water Management District (SFWMD), the U.S. Army Corps of Engineers (USACE), and the Florida Department of Environmental Protection (FDEP), among others. We are experienced in preparing permit applications for these agencies, know what is required to gain approval, and excel in providing the high level of coordination that facilitates an expedited permitting process. Once permits are issued, we track the conditions associated with each permit to ensure that the project remains in compliance through construction and final completion.

COMMUNITY OUTREACH

Because this contract will be so transformative and will have such a long-lasting effect on the community, a strong public involvement program throughout the duration of the project to keep the community informed is a must. Having current experience implementing similar programs in other communities, we are very familiar with the types of project expectations that will likely be voiced by the neighborhood stakeholders. We have the ability to coordinate communications with residents, create direct mail updates, manage media relations, serve as a public spokesperson for the project team, organize public education, information activities and meetings, as well as coordinate all website, social media and public relations needs.

Additionally, to help the community get a better feel and understanding of what one of the more common pieces of infrastructure will look like, we have fabricated a faux transformer. This faux transformer can be used during public involvement meetings, resident coordination meetings, and can even be easily transported to a resident's or business owner's property to help the resident/business owner visualize what the transformer will actually look like in their own front yard.

Faux Transformer

CONSTRUCTION ADMINISTRATION AND OBSERVATION SERVICES

Kimley-Horn's professional staff has extensive experience in construction administration and will keep project contractors on task, on time, and within budget. Our experience will result in the delivery of quality projects that will make both the City and Kimley-Horn proud. Our client support includes value engineering, bid phase services, establishing financial controls to track contractor and project consultant progress, progress report development, community outreach and education, public involvement meetings, document control, and review of shop drawings and product submittals. Other services include answering questions from the contractors, subcontractors, and suppliers; observing progress in the field; serving as an owner's representative; schedule development and tracking; administering the testing process; performing equipment and process startup; reviewing change order requests and payment applications; and making recommendations to the client. Most importantly, we serve as an extension of your staff to help you complete these most challenging projects.

We work very hard to make sure your interests are kept first and foremost while performing our observations in the field. Because our engineers and subconsultant partners are the same as those involved in the design, they are already familiar with the work program and can quickly determine whether the contractor is straying outside of the requirements of the plans and specifications. This allows us to make quick corrections before a project heads down the wrong path and has contributed to our many past successes.

Kimley-Horn can provide you with an on-site project field representative to observe contractor operations throughout the construction process. This is particularly important for components that will be buried or otherwise hidden from view at the conclusion of the project. Undergrounding of utilities such as electric, telephone, and cable must be inspected prior to installation and comprehensively photographed for future reference. All of these activities will be documented in daily reports with photographs prepared and cataloged by the field representative. These reports are then posted to a private FTP site that can be viewed by authorized users at any time. Any outstanding deviations will be brought to the contractor's and your attention as they are discovered so they can be resolved quickly.

SUBCONSULTANT SERVICES

Kimley-Horn views our subconsultants as true team members. Creating this type of collaborative relationship leads to trust and effective communication among team members. This consistent communication from project conception through completion allows our subconsultants to have a complete understanding of ours and your expectations. For day-to-day management, we coordinate regularly with our subconsultants to verify that they are using the latest standards and providing the required data to client standards. The Kimley-Horn project manager, Brett Johnson, P.E. and Marissa Maring, P.E. and each subconsultant project manager discuss the project and the intent of the required information so that the subconsultant understands what the information will be used for

CURRENT WORKLOAD AND AVAILABILITY OF PERSONNEL

We are confident that we can meet the technical and staffing needs for this project. Our Plantation and West Palm Beach offices have a combined 272 engineers, planners, landscape architects, and support staff. Additionally, we leverage the strength of our partners around the firm every day. It is part of Kimley-Horn's philosophy not to operate individual offices as profit centers. Rather, we make it a practice to share our depth of resources firm wide. This ensures that we have more than enough staff and technical resources to complete every project on time and to your satisfaction. The members of our project team were selected using two criteria: (1) their experience with undergrounding projects and (2) their projected availability to assume major technical responsibilities under this contract.

Kimley-Horn knows that undergrounding projects take planning, flexibility, and the experience that comes from a successful track record of managing multiple, simultaneous activities to achieve an end result. The City of Fort Lauderdale can be assured of our responsiveness to your needs and that our services will be performed on-time and within budget.

Our proactive management process ensures the availability of firm-wide and locally based resources for project staffing requirements through a proprietary program maintained on our computer network called "cast-aheads." The cast-aheads process ensures that sufficient

staff and hours are available to meet project schedules. Combined input from the firm's project managers is compiled and distributed in the form of a report to all project managers and regional management for review and discussion at the monthly cast-ahead meeting. Work overloads and/or shortfalls for specific personnel, individual offices, and disciplines are tabulated and addressed at the meeting. Where possible, these imbalances are resolved through internal shifts of personnel between offices. The objective is to balance the workload in a manner that maximizes the use of production staff, while ensuring that all project requirements and client deadlines are met. Because of the level of effort, we spend on understanding workload and on what projects staff are working on, Kimley-Horn can define on very short notice our ability to handle any project and exactly who has the most availability to work on a project, so it is completed on time.

Additionally, every Friday, we update a milestone management form that details what each local staff member will be working on for the next week. Project tasks ahead of schedule, behind schedule, and those needing additional resources are identified. Our support staff resources are then reallocated if needed to keep our projects on schedule. The chart below provides you with an overview of our team's availability to the City over the next six months.

Our Plantation and West Palm Beach office staff has immediate availability to serve you over the next six months. These full time staff members would be available to serve you under the leadership of **Brett Johnson, P.E.** and **Marissa Maring, P.E.** Our core team members, including subconsultants, are all locally based in South Florida. We are available by phone at any time and can be at City offices within minutes. When you call us, Kimley-Horn will be ready. Please see the chart below for anticipated individual percentage of availability for our staff.

TEAM MEMBER	AVAILABILITY
Brett Johnson, P.E.	50%
Marissa Maring, P.E.	55%
Kevin Schanen, P.E.	25%
Gary Ratay, P.E.	20%
Joshua Horning, P.E., LEED AP	55%
Kaitlin Townsend, P.E.	60%
Barton Fye, P.E., ENV SP	50%
Hannah Dvorak, E.I.	65%
Carlos Florian, P.E.	45%
Lisa Stone, P.E.	30%
Stefano Viola, P.E.	35%
Ryan Decle, E.I.	65%
Tiffany Stanton, P.E.	55%
Laura Wittenbauer	50%
Jon Ford, IMSA II	50%
Melanie Lynch	55%
Ignacio Lizama, P.E.	45%
Juan Fuentes, P.E., S.E., S.I., LEED AP	50%
J. Casey Long, P.E.	45%
Adam Kerr, P.E.	45%
Eric Regueiro, P.E.	55%
Tori Bacheler, PWS	40%
Shelby Oenbrink, PWS	50%
Clayton Scelzi	40%
Jason Lee, P.E.	40%
Matthew Fursetzer, P.E.	55%
Tom Hargrett, PLA, ASLA	65%
Jonathan Haigh, PLA, ASLA	50%
Mike Croteau	55%
Luis Guerra	70%
Fannie Howard, P.E.	45%
Matt Brosman, P.E., CFM	55%
Alan Garri, P.E.	55%
Kailey Zdankiewicz	45%
Blair Knighting, AICP	50%
Erin Emmons, GISP	50%
Amber Crane	65%

WILLINGNESS TO MEET TIME AND BUDGET REQUIREMENTS

We recognize that budget and schedule control are critical to the success of your program. Meeting your schedule for deliverables is not just a goal to us—it is a requirement. Both cost and schedule control are inherently tied to people. Their experiences, vision, management styles, and philosophies all affect significant components of a project approach and its execution.

We know there always will be unexpected challenges unique to any given project, so it is critical that an approach be developed and followed that controls what can be controlled and builds in mechanisms for dealing with the unexpected. Our best cost and schedule control resource—our staff—has several tools available to help them keep close track of your costs and schedule. The team members selected for this project have the experience to develop appropriate targets, tailor a suitable course of action, and provide timely decision-making for any unexpected challenges that may arise.

COST CONTROL

Kimley-Horn is sensitive to meeting client budgetary needs and has employed a variety of measures to ensure we design a project within budget. Our recent experience providing these services for numerous governmental entities has given us significant command of current design processes and construction cost-saving options. The best way to control construction costs is to provide detailed design plans and specifications to ensure the contractor is well aware of the existing conditions and proposed design features to complete accurate bids. **Insufficient information leads to contingency pricing and supplements during construction.** Key components to cost control are:

- **Detailed Work Plans.** Thorough planning with descriptions of goals, milestones, QA/QC plans, detailed staff-hour estimates, and items critical to the contract's success.
- **Preparation of Detailed Plans and Specifications.** Vague and limited details can lead to higher bids and change orders during construction.
- **Accurate and Up-to-Date Project Cost Estimates.** With similar projects recently bid and under construction, we have current unit costs to use for preparing opinions of probable costs.
- **Quality Control Review.** We will evaluate the project at each milestone to determine if there are areas where we can add value by modifying our design to take advantage of construction cost saving opportunities.
- **Evaluate Current Construction Practices.** With ongoing construction projects, we continuously evaluate construction methods and materials to find ways to value engineer our projects.
- **Communication.** Continuous interaction between the City of Fort Lauderdale, Kimley-Horn, and the contractor will result in a focus on quality. Immediate attention to potential problems is paramount to minimizing cost overruns.

Not every project will be completed without field adjustments that may result in a change order. Some will be due to a City-requested change in scope and some change orders will be due to an unforeseen site issue or conflict. The key to minimizing change order risk is to produce a set of plans and specifications that are well thought through and sufficiently detailed. Plans that are clear and concise leave little room for question. Beyond that, continuous communication with the contractor can eliminate or minimize change order costs. Kimley-Horn will scrutinize any and all change orders to ensure that they are necessary, and that appropriate pricing is applied.

SCHEDULE CONTROL

Kimley-Horn recognizes that meeting your deadlines and staying within budget are critical to the success of a project—our depth of local staff combined with the ability to activate resources from other Kimley-Horn offices will ensure that we complete these projects on time.

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

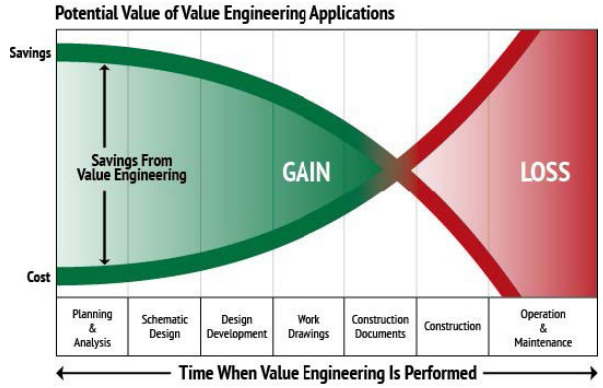
Prior to beginning work on any project, we will prepare a detailed project schedule and monitor it against actual project milestone completion dates. Project schedules are evaluated at different frequencies depending on the magnitude of the project. We use several different software packages, including Microsoft Project, to schedule our work. Schedule updates can also be sent in simple PDF formats to the project team throughout the life of a project. We can tailor our updates to the frequency you require. Paramount to the success of any project is a continued partnering throughout the project to adapt as necessary to unforeseen circumstances. We will include critical decision-making points in our work plans so the project team and the City can agree upon the best course of action to keep projects on track. We know there will always be unexpected challenges unique to any given project, so it is critical to develop and follow an approach that controls what can be controlled while building in mechanisms for dealing with the unexpected.

Coordination with the utility owners and building their design timeframes into the project schedule is important to keeping overhead to underground conversion projects on track. We conduct regular progress meetings with all of the utility owners in a joint setting to better coordinate the work and schedule so that the project can be delivered within the timeframe that the City expects.

When required, our team can accelerate work to meet a change in project schedule. This process is used frequently when workloads require extra personnel. It allows our team to be flexible and be able to react to all types of scheduling changes. Kimley-Horn is confident in its ability to monitor project schedules to meet the City's expectations and we have an exemplary record of performance. We are prepared to commit the necessary resources to ensure that your projects stay on schedule and within budget.

VALUE ENGINEERING

Kimley-Horn strives to provide continuous value engineering by focusing on better decisions, better information, better analysis, cost reductions, increased productivity, and accurate deliverables throughout all phases of the project. Value engineering is a key factor for developing successful projects that transition from study to design, and from design to construction. The challenges associated with each project task are solved creatively and effectively. Each step is reviewed by the most qualified professional to ensure a high level of value. Our experience in all facets of municipal work can be applied to this undergrounding program with positive results and added value to the City of Fort Lauderdale.



The goal of the Kimley-Horn team is to provide the City of Fort Lauderdale with the most value throughout every aspect of each undergrounding project. Our knowledge of local construction costs will allow you to accurately budget for upcoming projects. Based on recent projects bids, we have seen a rise in costs and adjust unit costs in our OPCs accordingly. We look at trends in unit pricing so we can help our clients project costs of future project phases accordingly.

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Quality is a keystone principle of Kimley-Horn. It is one of the key attributes that has enabled us to become one of the leading consulting firms in the country and it is absolutely essential to our continuing success. **Our quality manager, Kevin Schanen, P.E., will ensure our services provided for you meet our high standards of quality.** Kimley-Horn's QA/QC program is based on the philosophy that:

- Quality is **achieved** by adequate planning, coordination, training, supervision, and technical direction; proper definition of the job requirements and procedures; understanding the scope of services; and the use of appropriately skilled personnel performing work functions carefully.
- Quality is **ensured** through the careful checking, reviewing, and surveying of work activities by individuals who are not directly responsible for performing the initial efforts.
- Quality is **controlled** by assigning a manager to evaluate all work and procedures followed while providing the services.
- Quality is **verified** through independent reviews by a qualified staff member of the processes, procedures, documentation, supervision, technical direction, and staffing associated with the project development. Project quality is "built in," not added on.
- Quality work is the direct result of careful, properly sequenced, and supervised production, and continuous checking of each work element for completion and correctness by the task leader and project manager.

Kimley-Horn's approach to managing projects is intended to ensure that your projects not only meet the high-quality standards that you demand, but that are also delivered on time and within budget. Our projects are managed by professionals registered in their respective disciplines of practice such as utility and electrical engineering, traffic operations, civil engineering, roadway design, landscape architecture, etc. Quality begins with the solid foundation of skills and experience that these professionals possess. Our staff have been firmly committed to providing top quality services since the firm began 57 years ago, and ultimately our people will be responsible for exceeding your expectations for quality.

Quality Control/Quality Assurance at Kimley-Horn is...

ACHIEVED
Through adequate planning, coordination, supervision and, technical direction

VERIFIED
Through independent reviews by qualified staff

CONTROLLED
By assigning task managers to evaluate all work flow and procedures

SECURED
Through careful quality control of work activities by parties not involved in the initial efforts

APPROACH METHODOLOGY TO ACCOMPLISH IMPLEMENTATION

Conversion of the projects listed in the RFQ and any additional projects that fall under this contract will need to consist of multiple phases to achieve ultimate completion. In order to thoughtfully determine the most time- and cost-efficient way to execute these projects, we first need to break it down into their core components. We see each project being broken into the following core component activities:

1. **Master Planning**
2. **Detailed Design**
3. **Construction**

The above activities are generally sequential, but multiple projects can occur concurrently. **The graphic below is intended to illustrate how these activities will progress, what major elements occur during each activity, and how the key component activities interact with each other.**

Master Planning

- Data Collection
- Public Involvement/Outreach
- Utility Provider Coordination
- Conceptual Design
- Easement Need Identification
- Assessment of Infrastructure Needs
- Assessment of Traffic Impacts
- Assessment Methodology
- Project Delivery Option

Detailed Design

- Public Involvement/Outreach
- Construction Documents
- Utility Owner Coordination
- Easement Acquisition
- Permitting
- Contractor Procurement

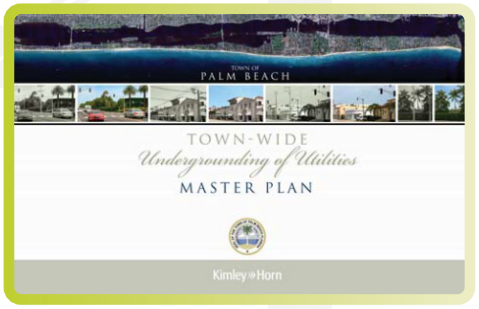
Construction

- Public Involvement/Outreach
- Utility Provider Coordination
- Backbone Conduits and Support Infrastructure
- Cabling and Equipment Installation
- Switching and Service Cutover
- Aerial Demolition and Restoration

A more detailed description of the three core component activities follows below.

MASTER PLANNING

To successfully execute each conversion project, the development of a detailed master plan is a must. Kimley-Horn has demonstrated our ability to develop realistic and achievable master plans in the Town of Palm Beach and Key Biscayne when we embarked on their programs to convert their entire municipalities. In Palm Beach, there are eight total phase areas with 15 sub-phase areas scheduled to be implemented over a ten-year period. Key-Biscayne is a smaller community with four phase areas scheduled to be completed over a four-year time period.



The Palm Beach Master Plan has since been implemented with with four sub-phase areas seeing construction completed and nine additional sub-phase areas currently under construction. One sub-phase is in the bid phase and the final sub-phase is currently under design. Key-Biscayne has just kicked off the design program for the first phase of the work. We've developed a system to implement these large-scale complicated projects which we will apply in our master planning process for the identified projects within the City of Fort Lauderdale.

The following is a description of how we plan to approach the master planning process for this project.

Data Collection

During the initial stage of the master plan process, we will focus efforts on collecting existing infrastructure information from FPL, AT&T, Comcast, and others as appropriate so we can gain a detailed understanding of the electric, telephone, and cable communications transmission and distribution system on a macro scale. This information will guide the major decisions on where feeders and trunk lines should be laid, help to identify opportunities to achieve efficiencies in system routing, and guide the development of phasing and sequencing for the program.

We will also collect information regarding locations of existing street lighting currently attached to overhead utility poles. These lights will be removed as a part of the conversion process and will likely require replacement. We can assistance the City in identifying impacted streetlight locations as well as determine suitable replacement lighting. Options include City-owned and maintained lighting or street lighting designed, provided and installed by FPL under their LT-1 tariff.

We are currently working with the Town of Palm Beach to replace over 200 streetlights that are impacted by their overhead to underground conversion program.

We will develop a plan for each of the City's identified project areas using parcel data and geographic information contained in the Broward County GeoHub GIS database as well as with any information available from the City. This plan will serve as the base map for the development of an overall existing overhead infrastructure plan, impacted street lighting plan, as well as other related mapping graphics which will be used as tools for phasing and sequencing development as well as cost and schedule estimating.

Item No.	Project / Item
1	Undergrounding of overhead utilities throughout Idlewyld Area "A" neighborhood
2	Undergrounding of overhead utilities throughout Riviera Isles Area "A"
3	Undergrounding of overhead utilities throughout Seven Isles Area "C"
4	Undergrounding of overhead utilities throughout Harbor Beach Area "D"
5	Undergrounding of overhead utilities throughout Sunrise Key Area "E"
6	Undergrounding of overhead utilities throughout Victoria Park
7	Undergrounding of overhead utilities throughout Poinsettia Heights
8	Undergrounding of overhead utilities throughout Rio Vista
9	Undergrounding of overhead utilities throughout South Gordon Road Homeowners
10	Undergrounding of overhead utilities throughout any future areas based on new applications processed per City Ordinance Section 25-129

FPL Standard Light Fixture

FPL Premium Acorn Fixture

FPL Premium Lantern Fixture

Utility Owner Coordination

During the master planning process, we will conduct regular coordination meetings with FPL, AT&T, Comcast, and the City in order to efficiently exchange information and work through any issues. Regular meetings will also facilitate the development of conceptual phasing and sequencing for the new electrical, telephone, and cable systems that will be established during the master planning process. Regular coordination meetings like this with key stakeholders have been a key to success on many past large conversion projects. Additional stakeholders who will be included in this coordination process in addition to those listed above are as follows:

- **Florida Department of Transportation.** For coordination of any work that must occur on state roads in the City.
- **Broward County.** For coordination of any work that must occur on County Roads in the City.

Conceptual Design Criteria

We will develop a design criteria document to be used as a basis of design throughout the project duration. This document will include specifications for City-supplied materials, such as conduit and pullboxes, and provide typical details and guidelines for conduit bundling, separation requirements, aboveground infrastructure preferred layout, restoration, landscaping, and preferred methods of construction for particular portions of the work (i.e. Horizontal Directional Drilling versus open cut).

Assessment of Infrastructure Needs

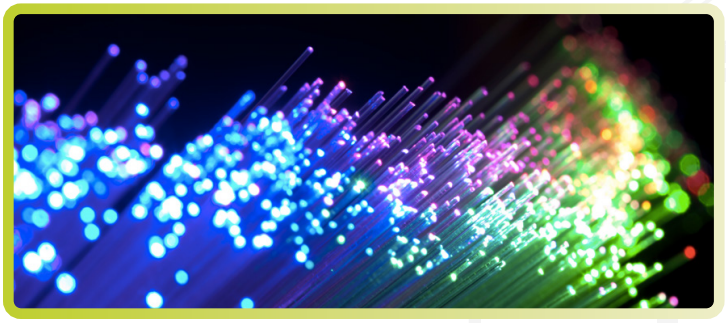
Through the development of the master plan, Kimley-Horn will work in partnership with staff to identify any public infrastructure needs that are outside of the designated project areas. These projects will need to be coordinated with the undergrounding improvements and assessed to determine if efficiencies can be realized. The City has the ability to realize considerable cost savings by performing necessary public infrastructure improvements like drainage, lighting, and roadway work in conjunction with the undergrounding improvements. These savings are generally related to the cost of mobilization and restoration as they would be shared between the undergrounding and the infrastructure improvement projects. This is a win-win situation for both the City and their taxpayers.

FPL Vista switch

FPL Capicitor bank

Single phase transformers and AT&T/Comcast service pedestals

We understand additional communication and/or 5G providers may have the opportunity to join these conversion projects. Kimley-Horn has prepared Broadband Infrastructure Assessments for other municipal communities and could do the same for the City. The assessment process includes determining the broadband needs and demands within the local community, the competition that currently exists, market interest from new providers for developing new infrastructure within the community, and any related costs for such development that may be expected to impact the conversion program.

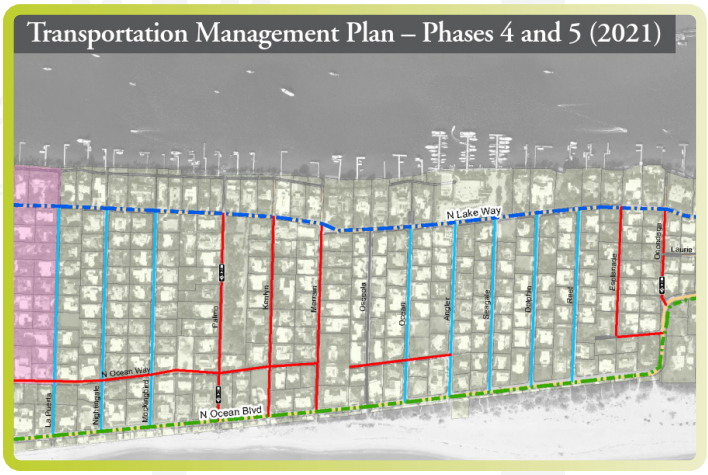


VILLAGE OF KEY BISCAYNE UTILITIES UNDERGROUNDING MASTER PLAN

CAPITAL PROJECTS MAP

Assessment of Traffic Impacts

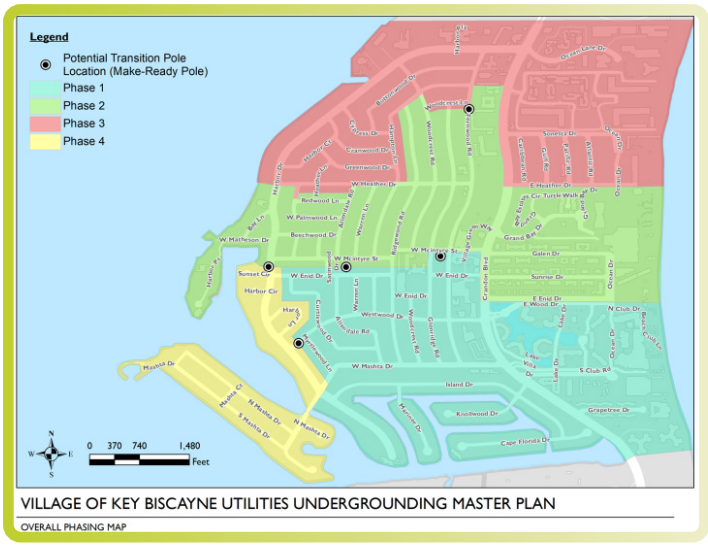
Impacts to traffic during construction is one of the most important elements of the project to consider when developing the overall plan of improvements. Developing a solid transportation management strategy to implement during the course of the project will be vital to maintain a semblance of tranquility during the construction process. Kimley-Horn is one of the nation's most respected transportation firms and we have developed countless transportation management plans for many of our projects across the state and nation as well as several Transportation Management Plans specifically for undergrounding conversion projects. In cooperation with our engineering team and public involvement experts, we will develop a Transportation Management Plan for the various phases of the project that considers not only the underground conversion work, but also the work of other construction projects that are expected to occur throughout the course of the undergrounding program. Coordination with the Police and Fire Department will also be very important to make sure that response times are not compromised significantly throughout the course of the project. The Transportation Plan will help develop a balance between an accelerated construction schedule and the desire to minimize impacts to the community as a whole.



Project Sequencing and Phasing

Once we've collected information about the existing aerial infrastructure, we can develop a sequencing and phasing plan that can be constructed sequentially with a degree of overlap that minimizes both construction time and community impacts. The sequencing and phasing plan will be developed as a final step in the overall master planning process so that we can incorporate all of the input from the various stakeholders and the community combined with the engineering design requirements.

Once the phasing and sequencing plan of the identified projects is determined, we can develop a conceptual opinion of probable construction cost for each of these projects. This will help the City establish project funding, pursue grants, and perform financial forecasting, budgeting, and planning over the life of the conversion program.



Project Delivery Options

There are multiple project delivery methods available to the City for this type of work. We propose to review multiple project delivery methods depending on the unique circumstances that exist within each project of the overall program and the respective benefits that could be gained by the City by employing one or more of those options. Through the master planning process, we may find that some phases of the project are fairly straightforward and not overly complicated. These phases may lend themselves well towards traditional design-bid-build project delivery. Other phases of the project may contain City-needed infrastructure upgrades that cover a variety of construction fields. These types of projects may be more appropriate for the Construction Manager at Risk (CMAR) method of project delivery. There may also be opportunities to consider Design-Build when this situation presents itself. We want to be open to considering all of these methods, when appropriate, and we will make recommendations to the City on how we believe each phase of the project should be delivered as a part of the master planning process.

Risk Assessment

Every large infrastructure project comes with a degree of risk. It is important that these risks be identified, and strategies developed to mitigate these risks prior to launching into the project. We have performed such risk analyses on other programs and have developed successful mitigation strategies that are proven in their execution. For example, breaking the project into phases is a method of risk mitigation that can help avoid a whole host of issues that would otherwise be present if the project was designed and constructed in one single phase. This and many other project risks will be carefully evaluated in the master planning process so that the City can proceed with execution of the program with confidence.

Conceptual Opinion of Cost and Schedule

There are opportunities to begin both the master planning process and some elements of detailed design concurrently. While the master planning process is being conducted, we believe that detailed design of more critical segments can begin early. Once these areas are under construction, the design and construction teams would focus on getting these areas completed while beginning the detailed design of subsequent phases so they can continue construction in an efficient manner. This scenario repeats itself, in accordance with the order described in the master plan until the entire project is complete. A detailed schedule of all of these activities and how they interact with each other, along with our opinion of their respective costs to implement, will be developed during the master planning phase.

Public Involvement/Outreach Program

Our team will ensure citizens are involved and informed throughout all phases of the project. We can scale our services to what the City feels is appropriate for the master plan phase of the program but you can be confident in our proven ability to communicate with the community in a variety of forms including in-person meetings, print media, websites, public forums, community groups, and more.

We will coordinate community outreach to your residents during the master planning process. As this project goes through the planning phase, it will be important to solicit public input and hold community information meetings that will allow opportunities for project managers, engineers, and experts to be available to the public to hear their concerns, inform them on progress, and answer questions on a variety of topics. Regular update and information meetings can serve as the link between the community and the implementation team over the span of a project and alleviate concerns or issues as they come up. Community outreach is particularly important with these types of projects because they generally impact every property owner in the neighborhood in one way or another. Building community trust in the design and construction teams can be critical to the success of the overall program.

Media Relations

A high-profile project such as this will attract media coverage. We can make sure media inquiries are answered in a timely fashion and ensure the questions are answered by the right team member with the correct updates. Coordinated media releases and statements to the media will be sent as milestones are reached during project phase and we will work with the City, so messages are factual and coordinated.

Master Plan Summary

The final master planning deliverable is expected to identify the following information:

- Project Goals
- Existing Overhead System Overview
- Conceptual Design Criteria
- Infrastructure Assessment
- Transportation Management Plan
- Phasing and Sequencing
- Grant Opportunities
- Project Delivery Methods
- Risk Assessment
- Overall Program Opinion of Schedule
- Overall Program Opinion of Probable Construction Costs
- Public Involvement/Outreach Program

We will also prepare a presentation to the City Commission for ultimate adoption of the Master Plan.

City of Fort Lauderdale neighborhood before and after proposed undergrounding

DETAILED DESIGN

Based on the master plan, we will commence the detailed design phase of each identified project. **It has been our experience that no matter the size or complexity of any given task, careful consideration of all project issues, details, and goals of the City at the onset of the detailed design phase is essential to the successful execution of the project that exceeds the City's expectations.** To that end, Kimley-Horn will begin with a comprehensive team effort to work with the City, utility owners, residents, and the various other stakeholders during the design phase for each project area throughout the duration of the conversion program.

We have assembled a team of proven professionals to ensure that the project can be successfully executed. Under the overall leadership of **Brett Johnson, P.E.**, we have assembled a team of individuals with extensive experience serving municipalities with conversion projects. These professionals understand how to serve municipal clients. Others may describe technical experience working directly for the utility owners, but the Kimley-Horn team understands how to design these projects keeping the interests of the municipality and property owners first and foremost. Based on our experience over the years performing this type of work on a large scale, here in South Florida, no other consultant team has the institutional knowledge and history of delivering successful undergrounding conversion project designs than Kimley-Horn.

Our same team of engineers will be involved in every step of the design and construction phases from beginning to end. This allows City staff and other stakeholders to communicate their desires early in the design process and maintain a consistent point of communication throughout the project life, which eliminates surprises during final design and construction. Kimley-Horn is well versed in performing undergrounding projects through varying soil conditions (i.e. muck, rock, high water table, etc.) and various construction techniques. Additionally, Kimley-Horn has the capacity to develop construction plans for the undergrounding improvements in conjunction with any necessary City infrastructure needs that were identified in the master planning process as opportunities for efficiency and cost savings if performed concurrently.

We understand the need to be flexible throughout the design phase will be critical to the success of the project. Our final designs will be based on the master plan in general, but we will be open to change when the situation demands that change occur.

COST CONTROL AND SCHEDULING APPROACH

The Kimley-Horn team is keenly aware of the challenges local municipalities are facing with funding and maintaining a timely deliverable in a market driven by demand. To deliver the projects under this contract effectively, on schedule, and within budget, the City needs a team of professionals comprised of experts, with multifaceted experience, armed with the latest techniques, knowledge, and resources. We bring you the necessary comprehensive engineering, architecture, and brokerage/market research services and resources to complete our assigned tasks. In addition, we will leverage our experience providing full engineering and design services, constructability analysis, project planning, agency coordination, permitting, and construction administration to meet your needs.

Through constant communication, project schedule and cost will be a known entity throughout the design process. Kimley-Horn specifically is organized to meet your schedule because of our ability to make additional resources available quickly—our one-profit center organizational structure enables us to shift workload based on capacity and available resources.

INITIAL SURVEY AND RECORD DATA RESEARCH

Kimley-Horn will coordinate and conduct project surveys, record drawing review, geotechnical investigations, and utility soft digs as required to gather vital information to be used during this phase of the project. Because much of the construction is below ground, this investigative information will be extremely valuable to obtain before detailed design begins and construction drawings are prepared. Determining the exact location for conduit runs within the right of way corridors early in the design phase of each area, based on careful consideration of the record drawings and utility soft digs, can simplify the design and avoid costly change orders during construction.

Simultaneously with the surveying process, we will visit every property in the phase area to locate and document existing service entrances for communication and electrical services. This information must be provided to the utility owners in order for them to commence their designs. We'll develop notification mailers to each address in the phase area so the community can expect our presence on their properties.

UTILITY OWNER COORDINATION

We will continue holding regular coordination meetings with FPL, AT&T, Comcast, and the City in order to efficiently exchange information and work through any issues related to the particular area being taken to final design. We've developed a unique process and working relationship with the electric and communication providers that has served us well on past conversion projects. Each utility owner will develop a preliminary design for submittal to Kimley-Horn for review. This will allow us to coordinate their designs with specific field conditions, available and procured easement locations, and make design recommendations to decrease costs and increase schedule efficiencies in the design. Once this coordination is completed, the FPL Binding Cost Estimate and invoice can be requested and developed. Communication system agreements and invoices generally are prepared after conduit has been installed in the field. **Regular coordination meetings with other key stakeholders will be held as appropriate depending on how that individual stakeholder is affected by the work in the specific project area being designed.**

EASEMENT ACQUISITION

Once preliminary equipment locations are provided by FPL, our team will begin working on identifying available right of way to locate the equipment. Streets that have wide rights of way that will allow for equipment placements that meet roadway setback criteria and will not require easement space. However, in locations where adequate right of way may not available, we will identify appropriate easement location alternatives to discuss with impacted property owners. The easement acquisition process typically occurs throughout the project design duration and can sometimes extend into the construction phase. Kimley-Horn has successfully negotiated hundreds of easements with property owners for undergrounding programs, **all of which were voluntarily donated for the project**. Our approach starts with listening to the concerns of the property owner, fully describing the benefits of the conversion process, and reasonably mitigating the impacts of the new equipment installation. It is important that a relationship of trust be built with the community throughout this process in order for it to be successful. Easements can also be procured through the quick-take eminent domain process, but most municipalities forego this process to avoid an adversarial relationship with the community and to significantly reduce project costs.

Easement acquisition is one of the most difficult, time-consuming, and challenging aspects of any undergrounding program and it is important that your consultant can demonstrate proven success in this area.

MAINTENANCE OF TRAFFIC (MOT) PLAN

Using the Transportation Management Plan developed during the master planning process, we will develop Maintenance of Traffic (MOT) guidance that is tailored specifically to each phase of the project. This plan will be developed in collaboration with the local stakeholders and compared to other concurrent projects in the City in an effort to minimize impacts to the community. We will discuss, receive input, and communicate this plan through the various public outreach mechanisms in place for the project, including the website, press releases, and scheduled public meetings. The plan will discuss items important to the City such as:

- Coordination with the Police and Fire Departments
- Consideration of impacts to emergency response times
- Trash collection (both yard waste and solid waste)
- Interaction with other concurrent construction projects in the City
- Mail and package delivery
- Preferred detour routes
- Parking Impacts
- Identification the maximum limits of disturbed right of way at any given time during the project

Ultimately, the MOT guidance will provide clear direction to the contractor on how traffic flow should be implemented throughout the project so they can develop their detailed plans in a manner that meets the needs of the project and the City. The details of how many cones and barricades to use will still be left to the contractor but we will dictate the major elements and specific detour routes when needed based on community input, stakeholder coordination, and the infrastructure needs for each phase. This approach saves time during the shop drawing process and avoids costly change orders that could occur if such guidance is not clearly communicated to bidding contractors up front during the procurement process.

FINAL DESIGN

Final design progresses concurrently with the easement acquisition process until the team is reasonably confident that all easements are in a position where they will ultimately be successfully procured. The final design can often be somewhat iterative as easement negotiations with property owners can alter the design along the way. Kimley-Horn prepares supplemental conduit and equipment location plans to accompany the schematic level designs received from the utility owners. The supplemental conduit plans will be used in conjunction with the FPL plans to install equipment and pull conductors. Most municipalities select the option where the municipal contractor installs all of the conduit and performs as much FPL work as is allowed by FPL. This allows the municipality to better control cost and schedule for the program. The communication providers will use their own forces to install their cabling and equipment within the conduits that are installed by the municipal contractor. It is towards the end of the design process where the Binding Cost Estimate is requested from FPL, bid plans and specifications are finalized, and the project is advertised to the contracting community for bidding.

PERMITTING AND APPROVALS

Portions of the work will need to be permitted through several regulatory agencies. **Kimley-Horn understands the potential impacts that permitting issues can have on a project and how to develop a plan to avoid such impacts.** In addition to minimizing confusion with clear and concise permit documents, our staff is well versed in agency procedures and their expectations, enabling us to avoid delays and the revisions of submittals. Our local team in Plantation and West Palm Beach team works closely with a variety of regulatory agencies on undergrounding projects. We have assembled a team of professionals who have a history of success in obtaining all types of permits required for underground infrastructure work. The following is a list of permits depending on the type of work being proposed:

- **FDOT Utility Permit.** Required for any utilities that are to be installed in the FDOT right-of-way.
- **Broward County Right of Way and Utility Permits.** Required for any utilities that are to be installed in the Palm Beach County right-of-way.

- **FDEP Water/Wastewater Permits.** Required for any utility adjustments that may be required that are in excess of 100 linear feet in length
- **FDEP ERP Permit.** Required for any subaqueous cable crossings under regulated waters of the state.
- **SFWMD Dewatering Permit.** This permit is obtained by the contractor constructing the project.
- **City of Fort Lauderdale Building Permit.** Building permits may be required for the conversion of non-residential services and service entrance modifications. Additionally, residential building permits may be needed if there are code deficiencies with the current residential service connection.

PUBLIC INVOLVEMENT/OUTREACH

Community Relations

We will implement neighborhood-specific community outreach to review the design components of the plan and the impact to the specific neighborhood. We will solicit resident input to help develop the best plan to meet project needs and timelines, taking into consideration property owner requests. Our Community Liaison will serve as a link between engineers, utility owners, City, and residents during the Detailed Design Phase. We will coordinate with City staff and residents and business owners to provide regular updates. We will seek involvement and send updates to community organizations, such as the chamber of commerce, homeowner's associations, and other local groups identified during the Master Planning and Detailed Design processes.

Communications

We will manage and implement a communications plan during the Detailed Design Phase. Communications with residents through mail, phone, and email (where applicable) and on social media will provide updates on the Detail Design phase and solicit their input. It will include a project phone "Hot Line" and emails as well as a project website that provides updates, contact information, and FAQ's page where residents can have questions answered.

Media Relations

Our Community Liaison can serve as a spokesperson for the project to the media. This will include making sure media inquiries are answered in a timely fashion and ensure the questions are answered by the right team member with the correct updates. Coordinated media releases and statements to the media will be sent as milestones are reached during project phase and we will work with the City, so messages are factual and coordinated.

The Public Involvement Plan will outline a process for providing opportunities for involvement by all interested and affected parties. The expected outcome of the participation will not always be consensus. Many planning teams suggest that they will build consensus, yet we seldom hear of success stories where all stakeholder groups are in full agreement with the entirety of an outcome. Instead, we propose a more realistic approach that seeks to secure "informed consent" from project participants.

CONTRACTOR PROCUREMENT

No matter the delivery method that is chosen, Kimley-Horn understands the importance of being responsive during the contractor procurement process. **Answering contractor questions and issuing clarifications or addenda in a timely manner during the procurement phase will allow us to deliver a successful construction project on time and within budget, thus avoiding navigating through a project riddled with disputes.**

We understand that the selection of the delivery method for the construction of the undergrounding program is one of the items in which the City will seek advice from the design consultant. Our opinion is that a "one size fits all" approach may not be the best way to execute each individual project over the life of the program. Kimley-Horn has worked with many municipalities to deliver undergrounding projects under multiple procurement methods, including traditional design-bid-build, the procurement of quotes from pre-qualified contractors, and the Construction Manager at Risk (CMAR) method. Kimley-Horn has also worked with other municipalities to develop Design-Build Criteria packages for the construction of major facilities. We propose that during the master planning process, we look at the individual phase areas in concert with the additional infrastructure needs that may be required by the City that are outside of the undergrounding assessment and recommend a project delivery method that is appropriate for the particular area being constructed.

We are prepared to assist the City in administering the procurement process, including answering bidder questions, reviewing the contractor proposals, serving on selection committees, and providing the City with a bid or GMP analysis as well as support direct negotiations with the contractor on each of the project areas as they are let for construction. We can then assist in assembling the construction contract, making presentations to the City Commission, and any other related post-award services.

On numerous occasions we have assisted municipal clients by providing specifications for long lead items in advance of design completion so that the City take advantage of not only the time savings, which is critical to maintaining the seasonal construction schedule, but also the tax savings in the direct purchase of equipment. We are ready and able to assist the City with the procurement of these items if it is determined to benefit the project budget or schedule.

The Town of Palm Beach is realizing tax savings by direct purchasing all the communication conduits and pullboxes for their conversion program.

CONSTRUCTION PHASE

During the construction phase, you can be assured that you will continue to be served by the same Kimley-Horn professional staff who served you during the design phase. Unlike other firms that separate the construction phase team from the design team, our philosophy is to maintain the continuity of the design staff during construction. Because these individuals are the most familiar with the design of your project, there is no learning curve during its construction. Kimley-Horn's professional staff has extensive experience in construction administration of complex undergrounding projects and will keep the contractor on task, on time, and within budget. Our experience will result in the delivery of a quality project that will make the City and Kimley-Horn proud.

Once the contractor is selected, we will immediately request that they submit their time and payment schedules for review. We will identify schedule conflicts, sequence issues, equipment delivery issues, and other factors that may affect the successful completion of the project and address those issues accordingly with the contractor prior to the start of work.

Document control will be established from the onset of the project. It is extremely important for project documentation to be properly filed and distributed to all necessary parties, so having an established program for this effort will prove to be very valuable to the project. We use a web-based program called ShareFile to store project documentation. **We will use this program to share all of our field reports and photographs with City staff on the project.** This program allows authorized users with the City to have continuous access to all project files during the course of the project. Individual user permissions can be managed to protect the integrity of the files and avoid accidental file mismanagement.

We expect construction will consist of the following approach in each project area. There are a lot of details to be tended to in between these steps but this is the general process:

1. The City's contractor will install the necessary underground conduits, pullboxes, and other necessary infrastructure. FPL will provide the City's contractor with materials and equipment for installation while the City's contractor will provide AT&T and Comcast conduit and pullbox materials according to their specifications.

2. The contractor will submit the conduit and equipment location as-built drawings to FPL, AT&T, and Comcast for review and approval.
3. AT&T and Comcast will review and approve the installed conduit infrastructure prior to their internal crews installing cable and equipment for the telephone and cable infrastructure.
4. FPL will review the installed electrical infrastructure in advance of the switching process to energize the new underground feeder, primary, switches and transformers.

During FPL's review of Phase 3 North in Palm Beach, FPL identified ZERO punchlist items in their pre-energization walkthrough. This is almost unheard of and is a testament to the design and installation excellence achieved on this project.

5. Switching will then commence to energize the new underground system. This process is conducted directly by FPL.
6. Once switching is completed, the City's contractor can commence cutting individual property electric services over to the new underground system. They will also strip all service risers from the overhead poles at this time. AT&T and Comcast will also energize their systems and begin cutting over customers during this stage.
7. Once all services have been swapped, the existing overhead facilities can then be removed first by the communications providers and then by FPL.

8. At this time, any required site restoration can occur which includes repair of both public rights of ways and private property areas impacted by the pole removal process. If milling and resurfacing is desired (or required), we recommend that it occur at this time to avoid asphalt damage due to the cranes that are used during the pole removal process.

Kimley-Horn's deep understanding of how the undergrounding process is executed will provide the City a great degree of confidence that we can coordinate the various activities required for successful implementation of the program.

We understand that we will be serving as the Owner's Representative during the construction phase of the project. We will work very hard to make sure your interests are kept first and foremost while performing our observations in the field. Because our engineers and field representatives are so well versed in the design, operations, and maintenance of municipal and utility infrastructure and facilities, we are able to quickly determine how field changes can affect the overall project schedule and/or future operations. This allows us to make any quick corrections to avoid a project heading down the wrong path and has contributed to our many recent successes on undergrounding projects that we have helped our clients implement.

As each phase of the project nears substantial completion, we will develop the punchlist for the contractor to complete in advance of the utility owner reviews described above. We will follow up on the Punchlist items to be addressed until they are completed. We will work with the contractor to assemble the as-built drawings, warranties, and other pertinent closeout information relevant to the project. Once any project has been completed, the project files, both electronic and hard copy forms, will be assembled for delivery to the City.

PROJECT FIELD REPRESENTATIVE

Our team is complemented with on-site project field representatives who will observe contractor operations. When a components is buried or otherwise hidden from view at the conclusion of the project, daily observation of construction is especially critical. Conduits, vaults, structural reinforcement, foundations, and internal components must be inspected prior to installation and comprehensively photographed for future reference. All of these activities will be documented in daily reports and photographs prepared and cataloged by our field representative. Any outstanding deviations will be brought to the City's and contractor's attention as they are discovered so they can be resolved quickly, and construction disputes can be minimized. Reports will be uploaded to the project ShareFile site and can be downloaded by authorized users from any computer.

PUBLIC INVOLVEMENT/OUTREACH

Community Relations

A designated community liaison will be available to support City residents, City staff, City Commission, and other stakeholders as a link between the community and project team. The Community Liaison will be responsible for notifying residents during the construction phase of where construction will be occurring, expected length of time and what can be expected during the phase. Part of the community outreach will focus on providing all residents a way they can voice their concerns or questions. As issues arise, the project manager and City staff will be notified so the appropriate representative or appropriate response can be provided to the resident.

Communications

It will be important to have an open communication process with residents. Through the use of various mediums including mail, phone, emails, field meetings, and press notices, residents will be informed of the project timeline and expectations. Communication will be setup to

be responsive and current. As previously mentioned, we will coordinate the use of a project phone "Hot Line" and Email as well as a project website that provides updates, contact information and FAQ's page where residents can have questions and concerns addressed.

On past projects, we've held brief monthly public meetings in the field with the construction team where interested members of the public can receive a project update, voice concerns, and interact with the construction team. These "Coffee with the Crew" meetings have helped proactively address issues and build a strong report with the impacted community.

Media Relations

During the construction phase, our team will have a spokesperson for the project available to the media. This will include making sure media inquiries are answered in a timely fashion and ensure the questions are answered by the right team member. We can coordinate media releases, images and statements to the media as milestones are reached during project phase and work with the City, so messages are up-to-date and accurate.

SUMMARY

As your design consultant for this ongoing undergrounding contract, Kimley-Horn will provide you with:

- Consultant staff and team members who are detailed-oriented, locally based, and will draw on their extensive undergrounding experience for municipal clients to make the best decisions for City residents and staff.
- Consultant staff and team members who understand the expectations of City residents and business owners and who work diligently to minimize disruption to these important stakeholders.
- Consultant staff and team members with vast experience and a proven track record in the design and construction of some of the largest, most complicated, and most significant infrastructure and undergrounding projects in the state and nation.
- Consultant staff and team members with proven easement acquisition experience for undergrounding projects.
- Public involvement team members with extensive experience in communicating complex infrastructure projects in terms the community can understand.
- Kimley-Horn offers the City a multidisciplined firm with the strength, depth and resources that only a national firm can provide coupled with the local staff and relationships required to effectively and efficiently execute this contract.
- Kimley-Horn offers a consultant team who understands that they represent the City of Fort Lauderdale and must keep your best interests in mind at all times.
- Kimley-Horn offers a consultant team with the passion, desire, experience, and creativity to develop innovative, time- and cost-saving ideas to meet your urgent needs on this contract.

Kimley-Horn looks forward to working with the City of Fort Lauderdale and its residents to implement these exciting and transformative projects!

TAB 6

References and Past Performance

6. References and Past Performance

You may ask why these clients chose Kimley-Horn out of all the top-class consulting firms they had to choose from. Chances are they'd tell you it was because we have a reputation for making them successful on undergrounding of utilities efforts. We listen to their needs, meet their schedules, accomplish their missions, deliver results, and exceed expectations. You simply won't find this caliber of service anywhere else. We invite you to contact these references so that you can hear firsthand about the outstanding quality of service we routinely provide.

1

Client Name, address, contact person telephone and e-mail address: Town of Palm Beach, Patricia Strayer, P.E., 561.838.5440, pstrayer@townofpalmbeach.com

Description of work: Please see **Townwide Undergrounding of Utilities Program** provided on page 10

Year(s) the program and/or projects were completed: Phase 1 North was completed on 8/2019; Phase 1 South was completed on 6/2020; Phase 2 North was completed on 4/2021; Phase 3 North was completed on 5/2022

Program and/or Project duration: 2016 – 2026

Total cost of the program and/or project, estimated and actual: Estimated $119,900,000 (project is currently within budget)

2

Client Name, address, contact person telephone and e-mail address: City of West Palm Beach, Vladimir Jeannot, 561.494.1107, vjeannot@wpb.org

Description of work: Please see **Clematis 300 Block Alley Undergrounding of Utilities** provided on page 12

Year(s) the program and/or projects were completed: 2020

Program and/or Project duration: 2018 – 2020

Total cost of the program and/or project, estimated and actual: Estimated $1,904,685.90

3

Client Name, address, contact person telephone and e-mail address: City of St. Pete Beach, Nicole Kurant, 727.603.9877, nkurant@stpetebeach.org

Description of work: Please see **St. Pete Beach Undergrounding Program Assessment** provided on page 13

Year(s) the program and/or projects were completed: Phase IIA Design: October 2021 – June 2024; Phase IIB Design: October 2021 – Ongoing

Program and/or Project duration: 2020 – Present

Total cost of the program and/or project, estimated and actual: Estimated $740,496 (project is currently within budget)

4

Client Name, address, contact person telephone and e-mail address: City of Hollywood, Nicole Heran, 954.967.4357, nheran@hollywoodfl.org

Description of work: Kimley-Horn performed design phase services for the design and permitting, and is providing construction phase services for the overhead to underground conversion of utilities between A1A and Surf Road, from Balboa Street to Franklin Street, and two additional streets being Douglas Street and Freedom Street located in the City of Hollywood, Florida.

Year(s) the program and/or projects were completed: Design complete in 2023. Construction phase ongoing.

Program and/or Project duration: 2022 – 2024

Total cost of the program and/or project, estimated and actual: Estimated $5.3M; Actual $5.1M

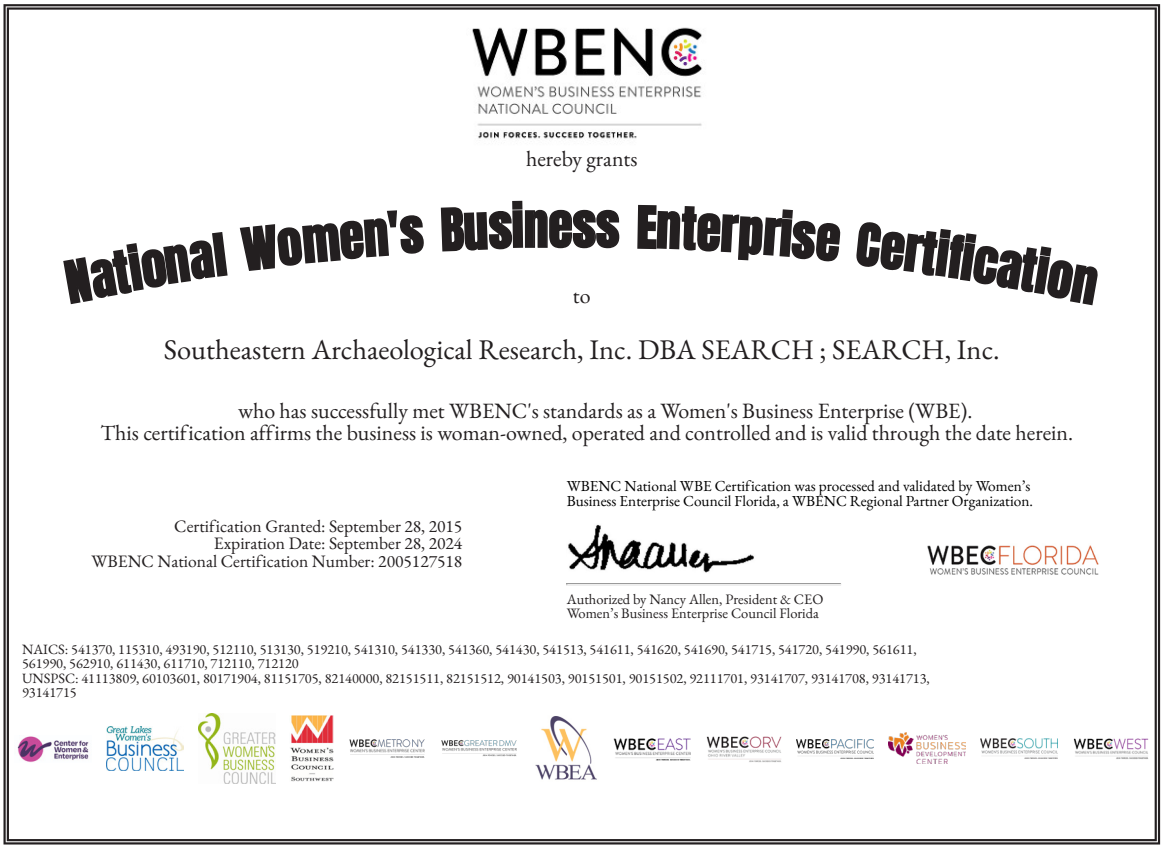
TAB 7

Minority/Women (M/WBE) Participation

7. Minority/Women (M/WBE) Participation

At Kimley-Horn, we are always looking for opportunities to include small and disadvantaged businesses in our contracts and through teaming agreements. While Kimley-Horn is not a Minority/Women-Owned Business Enterprise (M/WBE), we are committed to meeting or exceeding our clients' stated minority business participation goals. We provide interested minority and women-owned firms the opportunity to partner with us on our teams and we actively seek to increase and update our large database of qualified MBE firms for partnership on future projects. Through these partnerships, Kimley-Horn is furthering the positive economic development momentum that the City of Fort Lauderdale advocates through the use of MBE businesses on its contracts. Our commitment to partnering with minority firms to add value to the services we provide is demonstrated by more than $264 million Kimley-Horn has contractually committed to minority businesses over the past 10 years. We believe this record of partnership with MBE firms speaks to Kimley-Horn's commitment to the MBE community and demonstrates tremendous value in service to our clients. To this end, Kimley-Horn will continue its long-standing practice of partnering with MBEs on current and future projects.

For this contract, we have teamed with **SEARCH Florida**, a WBE certified firm:



WBENC
WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL
JOIN FORCES. SUCCEED TOGETHER.

hereby grants

National Women's Business Enterprise Certification

to

Southeastern Archaeological Research, Inc. DBA SEARCH ; SEARCH, Inc.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

WBENC National WBE Certification was processed and validated by Women's Business Enterprise Council Florida, a WBENC Regional Partner Organization.

Certification Granted: September 28, 2015
Expiration Date: September 28, 2024
WBENC National Certification Number: 2005127518

Authorized by Nancy Allen, President & CEO
Women's Business Enterprise Council Florida

WBEC FLORIDA
WOMEN'S BUSINESS ENTERPRISE COUNCIL

NAICS: 541370, 115310, 493190, 512110, 513130, 519210, 541310, 541330, 541360, 541430, 541513, 541611, 541620, 541690, 541715, 541720, 541990, 561611, 561990, 562910, 611430, 611710, 712110, 712120
UNSPSC: 41113809, 60103601, 80171904, 81151705, 82140000, 82151511, 82151512, 90141503, 90151501, 90151502, 92111701, 93141707, 93141708, 93141713, 93141715

TAB 8

Subconsultants

8. Subconsultants

Kimley-Horn views our subconsultants as true team members. Creating this type of collaborative relationship leads to trust and effective communication among team members. This consistent communication from project conception through completion allows our subconsultants to have a complete understanding of your expectations and ours. For day-to-day management, we coordinate regularly with our subconsultants to verify they are using the latest standards and providing the required data to client standards. **Brett Johnson, P.E.**, **Marissa Maring, P.E.**, and the subconsultants' project manager will discuss the project and the intent of the required information so the subconsultant understands how the information will be used. Our quality control process for our subconsultants' work includes checks of the provided information, checks for styles, and completeness. Listed below are the subconsultants we have partnered with on this contract:

AVIROM & ASSOCIATES, INC.

SURVEY AND MAPPING

Avirom has a 42-year history of successful service to local clients. Their staff consists of six registered Land Surveyors, six CADD Technicians, seven Field Crews, and four administrative personnel. The firm has worked with many municipalities throughout South Florida, and we strive to provide them with a seamless product for their design. Our surveys have been the base maps for numerous designs, not only for engineering and architecture, but also landscape architecture and urban design firms. Our firm has considerable experience in creating legal descriptions. Avirom & Associates, Inc. has extensive knowledge and experience in providing the following surveying services:

- Boundary Surveys
- ALTA/NSPS Land Title Surveys
- Topographic Surveys
- Tree Surveys
- Route-of-Line Surveys
- Wetland Location Surveys
- Mean High-Water / Tidal Water Surveys
- Right-of-Way Surveys
- Specific Purpose Surveys
- Submerged Land Lease Easements and Field Surveys
- As-built Surveys
- Construction Surveys / Services
- Hydrographic / Bathymetric Surveys
- Permitting Surveys
- GPS Control Surveys
- Utility Location Surveys
- Legal Descriptions (including metes and bounds)
- FEMA Elevation Certificates
- Coastal Mapping
- Plat Preparation and/or Processing
- Plat Review for Compliance with Chapter 177
- Restoration of Corners
- Expert Witness Testimony
- 3D Laser Scanning
- Aerial Mapping with FAA Certified Unmanned Aerial System (UAS) Remote Pilot

INFRAMAP CORP.

UTILITY DESIGNATING, LOCATING, ASSESSMENT, SUBSURFACE UTILITY ENGINEERING (SUE)

InfraMap provides professional subsurface utility engineering (SUE) services throughout the United States. The firm has achieved a reputation as a leader in the SUE industry by thoroughly understanding the associated risks, implementing standardized procedures, and consistently delivering our clients accurate utility data in accordance with ASCE 38 quality levels. Their experienced staff of professional engineers, surveyors, project managers, and technicians have successfully completed thousands of SUE tasks for clients across Florida and beyond.

RAFTELIS

ASSESSMENT SERVICES

Local government leaders partner with Raftelis to transform their organizations by improving their financial condition, enhancing performance, planning for the future, identifying top talent, and telling their story. With more than 160 consultants, they've worked with more than 1,700 local governments and utilities across the country. This project will require the resources necessary to effectively staff the project and the skillsets to complete all of the required components. Raftelis has the largest water-industry financial and management consulting practice in the nation, including many of the industry's leading rate consultants and experts in key related areas, like stakeholder engagement and data analytics. They will add to our team's depth of resources will allow us to provide the City with the technical expertise necessary to meet your objectives.

SEARCH FLORIDA

CULTURAL RESOURCES

Southeastern Archaeological Research, Inc. (SEARCH), is a woman-owned cultural resources management consulting firm based in Florida. Founded on the principles of sound research and quality service, SEARCH has continuously expanded its personnel, services, and geographic reach. SEARCH deploys the full spectrum of cultural heritage services worldwide. SEARCH2O, its maritime program, is at the forefront of historic shipwreck and submerged pre-contact archaeology, paleolandscape reconstruction, and deep-water archaeology. SEARCH's staff are cultural resource industry leaders, pioneers, and subject matter experts across Market, Regional, and Research Sectors. Since 1993, SEARCH has completed more than 5,000 commercial and government projects. By integrating science, technology, and creativity, SEARCH harnesses the power of the past to advance the projects, places, and people it serves.

TERRACON

GEOTECHNICAL ENGINEERING

Terracon has evolved into a successful multi-discipline firm specializing in environmental, facilities, geotechnical, and materials testing. In fact, the firm has provided a variety of these services (as a prime consultant and/or subconsultant) for thousands of projects nationwide. Their South Florida offices and laboratory facilities have extensive experience with similar contracts for federal, state, and local municipality clients. Terracon's Fort Lauderdale office brings more than three decades of pertinent local experience and stands ready to serve the City's professional consulting needs for this contract. Terracon has an extensive scope of knowledge in the City of Fort Lauderdale, and we frequently work within the City's limits, and in nearby areas, for both public and private sector clients. Terracon has performed environmental, facilities, geotechnical, and materials testing services for a variety of local projects including buildings, federal, healthcare, industrial, oil and gas, solid waste, telecommunications, transportation, undeveloped land, and water and wastewater. They also hold environmental and geotechnical continuing services contracts with the City of Fort Lauderdale. Terracon has completed over 100 projects as a prime consultant for the City since 2013, and has also conducted services for City projects as a subconsultant to other firms.

WAYPOINT ENGINEERING AND EQUIPMENT

COMMERCIAL SERVICE DESIGN, ELECTRICAL ENGINEERING

Waypoint has extensive experience with utility design, including electrical distribution systems, civil engineering for installation of utilities including water, sewer, electric, telecommunications facilities, structural and mechanical design for telecom facilities. The firm's founder, Russell Morrison, P.E., is a former Kimley-Horn employee who has experience with utility installations and coordination between water/sewer/drainage facilities, conflict avoidance.

OUR COMMITMENT TO YOU

The Kimley-Horn team is committed to providing the City with high-quality engineering, responsiveness, flexibility, and "outside of the box" solutions. We will do this by providing you with a team of experienced and technically proficient professionals who know how to implement innovative ideas in a unique setting such as the City of Fort Lauderdale. We offer you the perfect combination of relevant experience, local professional and support staff, and creative ideas. We are confident of our ability to serve the City now and into the future.

TAB 9

Required Forms

CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the City's on-line strategic sourcing platform prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit http://www.dos.state.fl.us/).

Company: (Legal Registration) Kimley-Horn and Associates, Inc. EIN (Optional): 56-0885615

Address: 421 Fayetteville Street, Suite 600

City: Raleigh State: NC Zip: 27601

Telephone No.: 919 677 2000 FAX No.: N/A Email: brett.johnson@kimley-horn.com

Delivery: Calendar days after receipt of Purchase Order **(section 1.02 of General Conditions)**: N/A

Total Bid Discount **(section 1.05 of General Conditions)**: N/A

Check box if your firm qualifies for DBE **(section 1.09 of General Conditions)**: ❑

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued
N/A	N/A						

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

Exceptions can be found on the following page.

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars ($500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Gary Ratay, P.E.
Name (printed)

Gary R Ratay
Signature

3/20/2024
Date

Vice President
Title

Exceptions

Sections which are underlined shall mean an addition, and sections which are ~~stricken through~~ shall mean a deletion.

1) RFQ Section 3.3 Tasks

At 90% plan, ~~assist~~ the City will proceed with balloting as described within Chapter 25 of the City Code.

2) RFQ Section 2.27 Indemnity/Hold Harmless Agreement

The indemnification language on page 13 of 31 of RFQ EVENT# 135 is in violation of Florida Statute 725.08 and we believe it is void and unenforceable. We strongly suggest and request that you modify this language to make it compliant to FL Statutes. Suggested language per FL Statutes 725.08: "The design professional shall indemnify and hold harmless the agency, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract."

3) RFQ Section 3.1 Introduction/Background

The City of Fort Lauderdale is seeking the services of a comprehensive and multi-disciplined professional engineering consultant team to provide planning, ~~appraisal~~ opinions of probable cost, community outreach, engineering design, coordination, construction administration, and management services for the conversion of existing neighborhood overhead utility networks to an underground utility network, commonly referred to as "undergrounding," for communities choosing this action in the City.

4) Agreement Section 12.8 Assignment and Performance

As currently worded in Section 12.8 of the proposal, the City is asking Kimley-Horn to assume the highest professional standards in performing its work. While Kimley-Horn is committed to serving its clients, we are only required to do so in accordance with the professional standard of care, which is the degree of care and skill ordinarily exercised by consultants performing the same or similar services in the same locality at the time the services are provided. The relationship currently described in the proposal exceeds the Standard of Care to be provided by Design Professionals and we would respectfully request that the City modify this language to comply with the foregoing language.

5) Agreement Section 12.9 Indemnification of City

The indemnification language in section 12.9 on page 19 of 36 is in violation of Florida Statute 725.08 by requiring a defense, and we believe it is void and unenforceable. We strongly suggest and request that you modify this language to make it compliant to FL Statutes and deleting the requirement to "defend".

Client#: 238109 KIMLASS

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/29/2023

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

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

PRODUCER	CONTACT NAME: Jerry Noyola	
Edgewood Partners Ins. Center 3780 Mansell Rd. Suite 370 Alpharetta, GA 30022	PHONE (A/C, No, Ext): 770-220-7699	FAX (A/C, No):
	E-MAIL ADDRESS: greylingcerts@greyling.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601	INSURER A : National Union Fire Ins Co of Pittsburg	19445
	INSURER B : Allied World Assurance Co (U.S.) Inc.	19489
	INSURER C : New Hampshire Insurance Company	23841
	INSURER D : Lloyd's of London	085202
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER: 23-24** **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	X COMMERCIAL GENERAL LIABILITY			GL5268169	04/01/2023	04/01/2024	EACH OCCURRENCE	$2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	X Contractual Liab						MED EXP (Any one person)	$25,000
							PERSONAL & ADV INJURY	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$4,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$4,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			CA4489663 (AOS)	04/01/2023	04/01/2024	COMBINED SINGLE LIMIT (Ea accident)	$2,000,000
A	X ANY AUTO			CA2970071 (MA)	04/01/2023	04/01/2024	BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
B	X UMBRELLA LIAB X OCCUR			03127930	04/01/2023	04/01/2024	EACH OCCURRENCE	$5,000,000
	X EXCESS LIAB CLAIMS-MADE						AGGREGATE	$5,000,000
	DED X RETENTION $10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			WC015893685 (AOS)	04/01/2023	04/01/2024	X PER STATUTE / OTH-ER	
C	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N	N / A		WC015893686 (CA)	04/01/2023	04/01/2024	E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000
D	Professional Liab			B0146LDUSA2304949	04/01/2023	04/01/2024	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)

Evidence of Coverage

CERTIFICATE HOLDER

Sample Certificate

CANCELLATION

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

NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

> 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).
>
> 3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

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

NAME	RELATIONSHIPS
N/A	N/A

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

Gary R Ratay

Authorized Signature

Vice President

Title

Gary Ratay, P.E.

Name (Printed)

3/20/2024

Date

Rev 09-2022

AFFIDAVIT OF COMPLIANCE WITH FOREIGN ENTITY LAWS
(Florida Statute- §287.138, 692.201, 692.202, 692.203, and 692.204)

The undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes. (Source:§ 287.138(2)(a), Florida Statutes)
2. The government of a foreign country of concern does not have a controlling interest in Entity. (Source:§ 287.138(2)(b), Florida Statutes)
3. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern. (Source: § 287.138(2)(c), Florida Statutes)
4. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Section 692.201, Florida Statutes. (Source:§ 288.007(2), Florida Statutes)
5. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Section 692.201, Florida Statutes, or a subsidiary of such entity. (Source: § 288.007(2), Florida Statutes)
6. Entity is not a foreign principal, as defined in Section 692.201, Florida Statutes. (Source: § 692.202(5)(a)(I), Florida Statutes)
7. Entity is in compliance with all applicable requirements of Sections 692.202, 692.203, and 692.204, Florida Statutes.
8. ***(Only applicable if purchasing real property)*** Entity is not a foreign principal prohibited from purchasing the subject real property. Entity is either (a) not a person or entity described in Section 692.204(1)(a), Florida Statutes, or (b) authorized under Section 692.204(2), Florida Statutes, to purchase the subject property. Entity is in compliance with the requirements of Section 692.204, Florida Statutes. (Source:§§ 692.203(6)(a), 692.204(6)(a), Florida Statutes)

The undersigned is authorized to execute this affidavit on behalf of Entity.

Name: Gary Ratay, P.E. Title: Vice President Entity: Kimley-Horn and Associates, Inc.

Signature: Gary R Ratay Date: 3/20/2024

NOTARY PUBLIC ACKNOWEDGEMENT SECTION

STATE OF Florida

COUTY OF Orange

The foregoing instrument was acknowledged before me, by means of □ physical presence or □ online notarization, this 20th day of March 20 24 by Gary Ratay, P.E., as Vice President for Kimley-Horn and Associates, Inc., who is personally known to me or who has produced _____ as identification.

Notary Public Signature: _____ (Notary Seal)

Print Name: Myrtha A. McClellan My commission expires: _____

MYRTHA A. MCCLELLAN
Commission # HH 496297
Expires May 16, 2026

CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH NON-DISCRIMINATION PROVISIONS OF THE CONTRACT

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

Contracts. Every Contract exceeding $100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

The Contract shall include provisions for the following:

(i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.

(ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.

Gary R Ratay

Authorized Signature

Gary Ratay, P.E.

Print Name and Title

3/20/2024

Date

E-VERIFY AFFIRMATION STATEMENT

Solicitation/Bid /Contract No: RFQ/EVENT# 135

Project Description:

CITYWIDE UNDERGROUNDING OF OVERHEAD UTILITIES-PROFESSIONAL ENGINEERING AND PROGRAM SUPPORT SERVICES

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

A. all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,

B. all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: Kimley-Horn and Associates, Inc.

Authorized Company Person's Signature: Gary Ratay, P.E. Gary R Ratay

Authorized Company Person's Title: Vice President

Date: 3/20/2024

Detail by Entity Name

Foreign Profit Corporation
KIMLEY-HORN AND ASSOCIATES, INC.

Filing Information

Document Number	821359
FEI/EIN Number	56-0885615
Date Filed	04/24/1968
State	NC
Status	ACTIVE

Principal Address

421 Fayetteville Street
Suite 600
Raleigh, NC 27601

Changed: 04/24/2021

Mailing Address

421 Fayetteville Street
Suite 600
Raleigh, NC 27601

Changed: 04/24/2021

Registered Agent Name & Address

CT CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 05/14/2008

Address Changed: 01/24/2017

Officer/Director Detail

Name & Address

Title Director

Good, Brian A.
421 Fayetteville Street
Suite 600
Raleigh, NC 27601

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► **Go to *www.irs.gov/FormW9* for instructions and the latest information.**

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

Print or type. See **Specific Instructions** on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Kimley-Horn and Associates, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☑ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) 5

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

421 Fayetteville Street, Suite 600

Requester's name and address (optional)

6 City, state, and ZIP code

Raleigh, NC 27601

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

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

Social security number

			–			–				

or

Employer identification number

5	6	–	0	8	8	5	6	1	5

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here **Signature of U.S. person** ► Tammy Fg **Date** ► 3/21/2024

General Instructions

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

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

Purpose of Form

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

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

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

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

REFERENCES

A minimum of three (3) references shall be provided. It is the responsibility of the Bidder/ Proposer to ensure that the information provided is accurate and current. The City may find your firm non-responsive for providing wrong and or outdated information. Additional references may be provided on a separate page. ***Note:*** *sub-consultants are not required to provide references.*

Company Name: Address:	Town of Palm Beach
	951 Old Okeechobee Road, Suite A, West Palm Beach, Florida 33401
Contact Person:	Patricia Strayer, P.E.
Title:	Town Engineer
Phone #: Email:	561.227.7056; pstrayer@townofpalmbeach.com
Contract Value:	Design: $2.2M
Year(s):	2016 - 2026
Project Name/ Description:	Townwide Undergrounding of Utilities Program
	Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast.

Company Name: Address:	City of West Palm Beach
	401 Clematis Street, West Palm Beach, Florida 33401
Contact Person:	Vladimir Jeannot
Title:	Special Projects Manager
Phone #: Email:	561.494.1107; vjeannot@wpb.org
Contract Value:	$193,505
Year(s):	2018 - 2020
Project Name/ Description:	Clematis 300 Block Alley Undergrounding of Utilities
	Kimley-Horn performed the underground conversion design of all main line communications and electrical commercial service lines.

Company Name: Address:	City of Hollywood
	2600 Hollywood Blvd., Hollywood, Florida 33020
Contact Person:	Nicole Heran
Title:	Deputy Director
Phone #: Email:	954.967.4357; nheran@hollywoodfl.org
Contract Value:	$702,823
Year(s):	2022 - 2024
Project Name/ Description:	North Beach Undergrounding Conversion
	Kimley-Horn performed design phase services for the design and permitting, and is providing construction phase services for the overhead to underground conversion of utilities in this project area.

CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

____ MasterCard

✓ Visa

Kimley-Horn and Associates, Inc.
Company Name

Gary Ratay, P.E.
Name (Printed)

Gary R Ratay
Signature

Vice President
Title

3/20/2024
Date

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A minimum of three (3) references shall be provided. It is the responsibility of the Bidder/ Proposer to ensure that the information provided is accurate and current. The City may find your firm non-responsive for providing wrong and or outdated information. Additional references may be provided on a separate page. ***Note:*** *sub-consultants are not required to provide references.*

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Title:	Town Engineer
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Contact Person:	Nicole Heran
Title:	Deputy Director
Phone #: Email:	954.967.4357; nheran@hollywoodfl.org
Contract Value:	$702,823
Year(s):	2022 - 2024
Project Name/ Description:	North Beach Undergrounding Conversion
	Kimley-Horn performed design phase services for the design and permitting, and is providing construction phase services for the overhead to underground conversion of utilities in this project area.