



June 26, 2023

*September 20, 2023 (revised)*

Luis Lopez, P.E.  
Engineering Support Services Manager  
City of Hollywood – Design and Construction Management  
2600 Hollywood Blvd  
Hollywood, FL 33022

**RE: *Proposal for DCM-19-001188 - North Beach Underground Utilities Conversion  
Construction Administration  
Hollywood, FL***

Dear Mr. Lopez,

Kimley-Horn and Associates, Inc. (“Kimley-Horn” or “Consultant”), in connection with the City of Hollywood’s “Civil/Landscape Architecture/Planning Engineering Services, DS 18-014”, is pleased to submit this proposal to the City of Hollywood (“City” or “Client”) for providing construction phase professional engineering services related to the North Beach Underground Utilities Conversion project. Our project understanding, scope of services, and fee follows.

### **Project Understanding**

The City of Hollywood requests construction phase engineering services for the North Beach Underground Utilities Conversion Project. The project is situated between A1A and Surf Road between Balboa Street and Franklin Street; with two additional streets being Douglas Street and Freedom Street to the south. Construction is scheduled to commence in September 2023.

FPL, AT&T, and Comcast have aerial facilities on utility poles in the project area, located in the public rights-of-way or in adjacent utility easements. New underground electric and communications infrastructure is planned to be installed within the road right-of-way. Once the new facilities have been installed, activated, and the services cut over, the existing poles and wires will be removed by FPL, AT&T and Comcast.

The City of Hollywood Department of Public Utilities has a concurrent water main and force main replacement project, which overlaps the location of this project; Kimley-Horn will coordinate during construction with the consultant working on the water main and force main project.

Kimley-Horn assumes the following:

- Maintenance of Traffic (MOT) and dewatering plans and permitting, if required, will be provided by the Contractor or others.
- Progress meetings will be held virtually.



- The project will be constructed under the Construction Manager at Risk (CMAR) procurement method. Whiting-Turner has been selected by the City as their CMAR.
- The CMAR will be handling resident/property owner coordination during the project.
- This proposal is based on a construction duration of 19 months based on the schedule developed by the CMAR.
- The CMAR will provide record drawings prepared by a professional surveyor, licensed in Florida, for review by Kimley-Horn and submittal to the utility owners for approval.
- The CMAR will prepare and distribute meeting agendas and minutes.

## Scope of Services

### **Task 1 – Construction Administration Assistance**

Kimley-Horn will perform the following services during construction. A more detailed description of each of the bulleted services follows later in this proposal.

- Visits to the site including field reports and photographs (approximately 2-3 times per week during conduit/equipment installation and 1-2 times per week during switching, service cutovers, and pole removal, up to 210 total visits)
- Recommendations with Respect to Defective Work
- Clarifications and interpretations
- Change order review
- Shop drawing review / review of proposed substitutions
- Review of testing lab reports
- Payment application review (up to 19 applications)
- Substantial completion walk-through and punch list development
- Final acceptance walk-through and applicable permit certifications
- Record drawing review

The following is a more detailed description of the services that will be performed.

*Visits to Site and Observation of Construction.* Kimley-Horn will make the limited number of visits as described above in order to observe the progress of the Work. Such visits and observations by Kimley-Horn are not intended to be exhaustive or to extend to every aspect of Contractor's work. Observations are to be limited to spot checking, selective measurement, and similar methods of general observation. Based on information obtained during such visits, Kimley-Horn will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Kimley-Horn will keep the City informed of the general progress of the Work. Kimley-Horn will also review stored materials that are procured directly by the City through direct owner purchase.

Kimley-Horn shall not, during such visits or as a result of such observations, supervise, direct, or have control over Contractor's work, nor shall Kimley-Horn have authority over or responsibility for the means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction selected by Contractor, for safety precautions and programs incident to Contractor's work,



nor for any failure of Contractor to comply with applicable laws and regulations. Kimley-Horn neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the Contract Documents.

*Recommendations with Respect to Defective Work.* Kimley-Horn will recommend to the City that Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, Kimley-Horn believes that such work will not produce a completed Project that conforms generally to Contract Documents.

*Clarifications and Interpretations.* Kimley-Horn will respond to reasonable and appropriate Contractor requests for information and issue necessary clarifications and interpretations of the Contract Documents to the City as appropriate to the orderly completion of Contractor's work. Any orders authorizing variations from the Contract Documents will be made by the City.

*Change Orders.* Kimley-Horn may recommend Change Orders to the City and will review and make recommendations related to Change Orders submitted or proposed by the Contractor. It is understood that the City plans to procure lighting and communication system materials through direct owner purchase. It is anticipated that the CMAR will prepare a deductive change order early in the project to remove applicable communication and lighting materials from the contract. Kimley-Horn will review this change order prior to recommending processing by the City.

*Shop Drawings and Samples.* Kimley-Horn will review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

*Inspections and Tests.* Kimley-Horn may require special inspections or tests of Contractor's work as Kimley-Horn deems appropriate, and may receive and review certificates of inspections within Kimley-Horn's area of responsibility or of tests and approvals required by laws and regulations or the Contract Documents. Kimley-Horn's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Contract Documents. Kimley-Horn shall be entitled to rely on the results of such tests and the facts being certified.

*Disagreements between City and Contractor.* Kimley-Horn will, if requested by the City, render written decision on all claims of the City and Contractor relating to the acceptability of Contractor's work or the interpretation of the requirements of the Contract Documents pertaining to the progress of Contractor's work. In rendering such decisions, Kimley-Horn shall be fair and not show partiality to the City or Contractor and shall not be liable in connection with any decision rendered in good faith in such capacity.



*Applications for Payment.* Based on its observations and on review of applications for payment and accompanying supporting documentation, Kimley-Horn will determine the amounts that Kimley-Horn recommends Contractor be paid. Such recommendations will be based on Kimley-Horn's knowledge, information and belief, and will state whether in Kimley-Horn's opinion Contractor's work has progressed to the point indicated, subject to any qualifications stated in the recommendation. In the case of unit price work, Kimley-Horn's recommendations of payment will include determinations of quantities and classifications of Contractor's work, based on observations and measurements of quantities provided with pay requests. Kimley-Horn's recommendations will not be a representation that its observations to check Contractor's work have been exhaustive, extended to every aspect of Contractor's work, or involved detailed inspections.

*Substantial Completion.* Kimley-Horn will, promptly after notice from Contractor that it considers the entire Work ready for its intended use, in company with the City and Contractor, conduct a site visit to determine if the Work is substantially complete. We will also review conduit and equipment placement record drawings submitted by the contractor for FPL, AT&T, and Comcast facilities prior to submission of such record drawings to those respective utility owners. Comments will be provided to the contractor prior to submission to the utility owners. Work will be considered substantially complete following satisfactory completion of all items with the exception of those identified on a final punch list. If after considering any objections of the City, Kimley-Horn considers the Work substantially complete, Kimley-Horn will notify the City and Contractor.

*Final Notice of Acceptability of the Work.* Kimley-Horn will conduct a final site visit with the City to determine if the completed Work of Contractor is generally in accordance with the Contract Documents and the final punch list so that Kimley-Horn may recommend, in writing, final payment to Contractor. Accompanying the recommendation for final payment, Kimley-Horn shall also provide a notice that the Work is generally in accordance with the Contract Documents to the best of Kimley-Horn's knowledge, information, and belief based on the extent of its services and based upon information provided to Kimley-Horn upon which it is entitled to rely. If the work is found to be in general accordance with the Contract Documents, Kimley-Horn will also prepare and submit applicable permit certifications for those permits that were issued for the project.

## **Task 2 – Meetings and Coordination**

Kimley-Horn will attend the following meetings during construction.

- Pre-Construction Meeting attendance
- Bi-weekly progress meeting attendance for the 19-month construction duration (up to 36 meetings)
- Utility coordination meeting attendance (FPL, ATT, Comcast, FPU) during the construction duration (up to 10 meetings)





### Additional Services

Any services not specifically provided for in the above scope, as well as any changes in the scope you request, will be considered additional services. These services will be performed based on proposals approved by the City prior to the performance of those requested additional services.

### Information and Services Provided by the Client

We shall be entitled to rely upon the accuracy of information provided by others in the performance of professional services. It is anticipated that the following items and services will need to be provided to Kimley-Horn by the City during the project.

- Access to the site

### Schedule

Kimley-Horn understands and will accommodate The City's desire to complete the construction as expeditiously as possible. It is anticipated that the contractor will begin construction in the second quarter of 2024 with a construction duration of 19 months. The City recognizes that the utility owners are required to perform services to support this project and the schedules for their completion of these services are beyond the control of Kimley-Horn. Desired completion timeframes will be communicated to the utility owners during the course of the project and support from the City may be required to encourage the utility owners to meet these timeframes.

### Fee and Billing

Kimley-Horn will perform the services in Tasks 1-2 for the lump sum fees shown below. Billings will be monthly based on the progress of the Task.

Task 1 – Construction Administration Assistance	\$405,423
Task 2 – Meetings and Coordination	\$ 51,620

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Total	\$ 457,043
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## Closure

The terms and conditions of the City of Hollywood's "Civil/Landscape Architecture/Planning Engineering Services, DS 18-014" shall govern this scope of services.

If you concur with the foregoing and wish to direct us to proceed with the aforementioned services, please issue a Notice to Proceed in writing to the consultant referencing this document as Exhibit "A". Fees and time stated in this agreement are valid for sixty (60) days after the date of issuance by the consultant.

We appreciate the opportunity to propose these services to you.

Very truly yours,

**KIMLEY-HORN AND ASSOCIATES, INC.**

A handwritten signature in blue ink, appearing to read "K. Schanen", written over a light blue horizontal line.

By: Kevin Schanen, P.E.  
Sr. Vice President

[https://kimleyhorn-my.sharepoint.com/personal/kevin\\_schanen\\_kimley-horn\\_com/Documents/Proposals/Hollywood/NorthBeachUG\\_CAProposal.docx](https://kimleyhorn-my.sharepoint.com/personal/kevin_schanen_kimley-horn_com/Documents/Proposals/Hollywood/NorthBeachUG_CAProposal.docx)

**ESTIMATE FOR ENGINEERING SERVICES**

PROJECT:	North Beach Undergrounding Construction Phase Services							
CLIENT:	City of Hollywood							
ESTIMATOR:	KET	6/12/2023						
DESCRIPTION:	See Scope of Services							
	Principal	Project Manager	Analyst	Field Technical Support	Admin	SUB	EXP	LINE TOTAL
<b>Construction Phase Services (Lump Sum)</b>								
Project Management	50	80	60		18			\$45,420
Site Visits (up to 210)	50	140	170	840	78		\$700.00	\$169,020
Clarifications and Interpretations	60	160	160	120	40			\$96,200
Change Order Review	20	60	60	48				\$34,188
Shop Drawing Review / Review of Proposed Substitutions		10	30		6			\$6,940
Testing Lab Report Review		24		40	4			\$10,560
Payment Application Review (up to 19)	9	38		55				\$18,155
Substantial Completion Walk-Through	8	8	8	6	2			\$6,410
Final Acceptance Walk-Through	2	6	6	4	2			\$3,520
Record Drawing Review	2	12	12	12	2		\$250.00	\$6,890
Utility Owner Walk-Throughs / Coordination (FPL/ATT/Comcast)		16	16	16	4			\$8,120
<b>Meetings [Construction Phase]</b>								
Pre-Construction Meeting	2	2	2	2				\$1,610
Progress Meetings (up to 36)	27	72	72	72				\$43,560
Utility Coordination Meetings (FPL/ATT/Comcast - up to 10)	5	10	10	10				\$6,450
<b>TOTAL HOURS</b>	<b>235.0</b>	<b>638.0</b>	<b>606.0</b>	<b>1224.5</b>	<b>156.0</b>	<b>\$0.00</b>	<b>\$950.00</b>	<b>\$457,043</b>
<b>LABOR (\$/HOUR)</b>	<b>\$320.00</b>	<b>\$250.00</b>	<b>\$130.00</b>	<b>\$105.00</b>	<b>\$90.00</b>	<b>1.0</b>	<b>1.0</b>	
<b>TOTALS</b>	<b>\$75,200.00</b>	<b>\$159,500.00</b>	<b>\$78,780.00</b>	<b>\$128,572.50</b>	<b>\$14,040.00</b>	<b>\$0.00</b>	<b>\$950.00</b>	<b>\$457,043</b>



# Overhead Utility *Undergrounding*





## PAST PROJECTS AND EXPERIENCE

Kimley-Horn has successfully partnered with the City of Hollywood 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. Please also refer to Past Experience for information about how to contact our 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 Fort Lauderdale
- 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

Our depth of experience with a variety of project types allows us to provide Hollywood 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 98 miles of primary cable installed
- Over 460 transformers/switches installed
- Over 400 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 project.

## CONSTRUCTION PHASE SERVICES

Our approach to construction phase services will be to have the professionals who were involved in the project's plan and specification development be directly involved with the implementation of the construction project. Our approach to construction contract administration focuses on the following three priorities:

- **Minimize Change Orders.** Through up-front communication with the major manufacturers, we can keep change orders to a minimum.
- **Remain Conscious of Schedule.** For each task, we assign a specific person to update the project schedule and submittal logs. As we typically turn around submittal reviews and Requests for Information (RFIs) in less than a week, the contractor can proceed without delay.
- **Maintain Frequent, Consistent Communication.** We are comfortable making proactive decisions and facilitating fair solutions with your input.

Our reputation for keeping to these fair solutions helps the contractor complete the project on schedule. During the course of a construction project, there will be instances when certain submittals and RFIs will need to be prepared in a timely manner to prevent potential delay claims from the contractor. We understand that and are committed to prompt responses. Additionally, Kimley-Horn successfully worked with the City's chosen Construction Manager at Risk (CMAR), Whiting-Turner, on a similar undergrounding project in the Town of Palm Beach. Our teams have a working relationship that will benefit the City during the execution of the North Beach project.

As the go-to civil consultant for undergrounding of utilities projects, Kimley-Horn has an unrivaled level of familiarity with the construction phase services and contract administration the City of Hollywood is expecting on this contract.



The following projects are representative of our experience relating to the services sought by the City of Hollywood:

## *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. 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.



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

**Agency Contact:** Patricia Strayer, P.E.



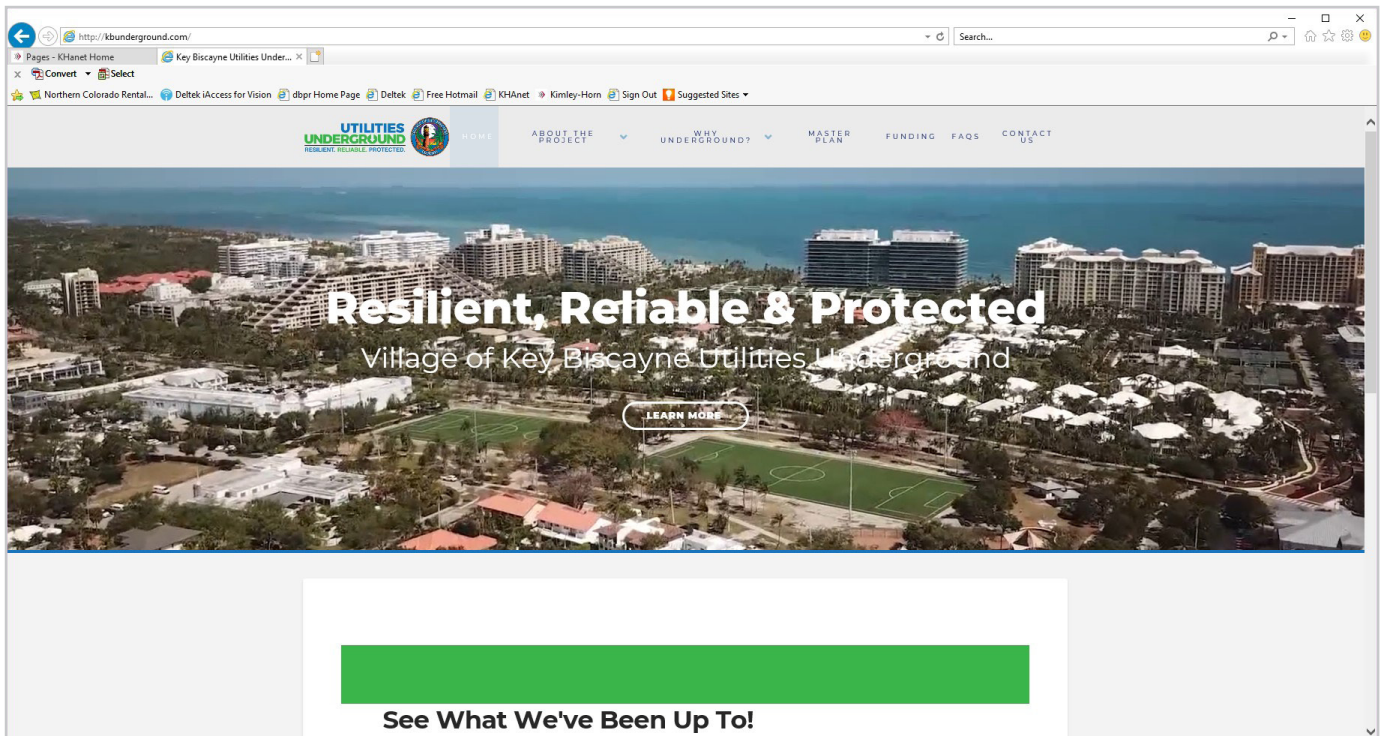


## Master Planning for Village-Wide Undergrounding of Utilities Program, Key Biscayne, FL

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.

**Agency Contact:** Jake Ozyman, P.E. (Former Public Works Director)





## *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.

**Agency Contact:** Patrice G. Smith



## *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.

**Agency Contact:** Patricia Strayer, P.E.

## *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.

**Agency Contact:** Patricia Strayer, P.E.



## *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.



**Agency Contact:** Patricia Strayer, P.E.

## *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.

**Agency Contact:** Christopher Roschek, P.E.

## *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.

**Agency Contact:** Vladimir Jeannot

## *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.

**Agency Contact:** Ismael Diaz, BA, MBA

## *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.

**Agency Contact:** Tom Driscoll, P.E.

## *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.

**Agency Contact:** Jeff Benson

## *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.

**Agency Contact:** Ben Feldman



## *Undergrounding Program Assessment, St. Pete Beach, FL*

Kimley-Horn assisted the City of St. Pete Beach with an overall review and 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.

**Agency Contact:** Brett Warner, P.E.

## *Breakers Avenue Undergrounding Conversion Project, Fort Lauderdale, FL*

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.

**Agency Contact:** Louis Lafaurie, P.E.

## *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.

**Agency Contact:** Isaac Kovner

## *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 Bridges, Marsh and Associates, Inc., 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.

**Agency Contact:** Paul Brazil, P.E.





## KEY PROJECT PERSONNEL



*Kevin Schanen, P.E.*

Kevin is a Palm Beach County native who has more than 24 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 Kaitlin and Hannah each day to successfully implement these conversion projects for municipal clients. As a Principal with the firm, Kevin has the ability to call on the full resources of the firm to support this project for the City of Hollywood. Kevin has successfully led large, complicated, and publicly visible projects and has the expertise required to make your vision for undergrounding, a reality.



*Kaitlin Townsend, P.E.*

Kaitlin has nine years 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. Kaitlin earned both her Bachelor of Science in Civil Engineering and Master of Engineering in Environmental Engineering with a focus in Hydrological Sciences from the University of Florida.



*Hannah Oenbrink, E.I.*

Hannah has nearly 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 the North Beach project

having worked on the design and permitting phases of the project. Hannah earned her Bachelor of Science in Civil Engineering from the University of Florida.



*Luis Guerra*

Luis has 15 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 Hollywood 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 coastal South Florida community shares many traits with Hollywood's North Beach area, 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.





## Kevin Schanen, P.E.

### RELEVANT EXPERIENCE

**Townwide Undergrounding of Utilities Program, Town of Palm Beach, 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.

**Breakers Avenue Undergrounding Conversion Project, Fort Lauderdale, FL** — Principal-in-charge. 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 pullbox infrastructure for the electric, telephone and cable utilities along with providing utility provider coordination and infrastructure upgrade design services.

### SPECIAL QUALIFICATIONS

- Has 24 years of diverse engineering and project management experience
- Experienced project manager with a wide variety of municipal projects, including water, wastewater, and stormwater utilities, structures, restoration and rehabilitation, community parks, streetscapes, and infrastructure improvements
- Software experience includes Ad-ICPR, WaterGEMS, STAAD, AutoCAD Civil3D, ASAD, and MathCAD
- Past recipient of the Engineer of the Year award from the Florida Engineering Society, Palm Beach County Chapter
- 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

### PROFESSIONAL CREDENTIALS

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

**Tropic Isle Undergrounding Feasibility Study, Delray Beach, FL** — Principal-in-charge. 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.

**Clematis Street Alley Utilities Conversion Project, West Palm Beach, FL** — Principal-in-charge. 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.

**Miami Downtown Development Authority Undergrounding Feasibility Study, Miami, FL** — Principal-in-charge. After the passing of Hurricane Irma in late 2017, the City of Miami Downtown Development Authority (DDA) requested that Kimley-Horn perform a high-level feasibility study to assess the costs related to converting all aerial power and communications lines within the DDA to an underground location. Kimley-Horn performed field assessment, developed maps and underground conversion related cost projections for delivery to the DDA.

**Lake Patricia and Lake Katherine Undergrounding Study, Miami Lakes, FL** — 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.

**NW 11th Street Underground Utilities Conversion Project, Boynton Beach, FL** — Principal-in-charge. 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.

**Broadband Infrastructure Assessment, Palm Beach, FL** — Project manager. 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.

**Worth Avenue Improvement Project, Palm Beach, FL** — Project manager for this roadway beautification project along one of the Town's most prestigious roadways. The project included the conversion of overhead utilities to an underground location, construction of a new roadway section, replacement and modification of various underground utilities, replacement of sidewalks with decorative coquina, and the introduction of many landscaping and architectural elements throughout the corridor.

**Inlet Village Concept Master Plan - A1A Corridor, Jupiter, FL** — Project manager for the Kimley-Horn team that 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.





## Kaitlin Townsend, P.E.

### 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, Town of Palm Beach, 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.

**Gulf Boulevard Phase II Undergrounding, St. Pete Beach, FL** — Project engineer for the Kimley-Horn team. This overhead-to-underground conversion project spans Gulf Boulevard from 35th Avenue to 55th Avenue and is currently in the construction phase. Our team's responsibilities have included project management, design services, permitting, bid phase services, public meeting deliverance, and utility coordination with multiple providers.

**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.

### SPECIAL QUALIFICATIONS

- Has seven years 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

### PROFESSIONAL CREDENTIALS

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

**North Beach Underground Utilities Conversion, Hollywood, FL** — Project engineer. 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.

**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.

**Undergrounding Feasibility Assessment, Tequesta, FL** — Project engineer. 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. Kimley-Horn then developed a conceptual 'order of magnitude' opinion of probable construction cost for the overhead-to-underground conversion. Additionally, Kimley-Horn provided research funding opportunities and prepared a matrix of potential third-party funding pursuits that could assist in offsetting the costs of the program.



## Hannah Oenbrink, E.I.

### 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. Kimley-Horn then developed a conceptual ‘order of magnitude’ opinion of probable construction cost for the overhead-to-underground conversion. Additionally, Kimley-Horn provided research funding opportunities and prepared a matrix of potential third-party funding pursuits that could assist in offsetting the costs of the program.

### SPECIAL QUALIFICATIONS

- Has nearly 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

### PROFESSIONAL CREDENTIALS

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



## Luis Guerra

### 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. Also used design documents and calculations to submit permitting documents for local government approval and FDOT approval.

**Fort Lauderdale Executive Airport (FXE), Taxiway Foxtrot Pavement Rehabilitation, Fort Lauderdale, FL** — Field representative. Kimley-Horn was retained by the City of Fort Lauderdale to provide services for the pavement rehabilitation of Taxiway Foxtrot at Fort Lauderdale Executive Airport. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping. P-608 seal coats will be applied as an asphalt rejuvenation along Taxiways B, F5, L, and P north of the runway safety areas. Services on the project include engineering planning, design, construction observation, surveying, environmental, electrical, geotechnical testing and analysis, asphalt pavement testing services, preparation of opinion of probable construction cost, scheduling, and grant support services.

**OB Johnson Park, Hallandale Beach, FL** — Field representative 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.

### SPECIAL QUALIFICATIONS

- Has 15 years of experience with construction materials including lab and field testing and inspection
- Experience with earthwork, concrete, aggregates, asphalt, and stormwater

### PROFESSIONAL CREDENTIALS

- OSHA 10 Hour, 13478\_1555374

**McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects, Pompano Beach, FL** — Field representative. Kimley-Horn is currently serving the City of Pompano Beach to provide design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas. Kimley-Horn is leading permitting of this project, including USCG, SFWMD, and Broward County.

**Water Meter Replacement Program, North Bay Village, FL** — Field representative. The project included development of bid documents to replace all of the Village's existing water meters with new solid-state water meters and to implement and optimize a mobile-based advanced metering infrastructure (AMI) and water loss management system to read meters in an automated and cost-effective manner and to reduce the Village's unaccounted for and non-revenue water. The project also included developing the water meter replacement program, field coordination of existing meters for replacement, furnishing and installing the AMI system software, hardware, automated billing coordination, and providing training and installation support. In addition, the project also included repairing and replacing defective components such as water service connections and water meter boxes.

**McNab Road Improvements, Pompano Beach, FL** — Field representative. This streetscape improvements project was part of the City's GO Bond program and included one mile of McNab Road from S. Cypress Creek Road to US 1. The project includes the new 10' wide sidewalks, drainage improvements, as well as roadway improvements that include reconfiguration of the alignment to account for the removal and replacement of the Cypress Creek Canal bridge. Additionally, the project includes native landscaping, lighting, pervious pavers, as well as bus shelter and associated amenities to improve the pedestrian experience. The Kimley-Horn team designed critical drainage improvements that modify existing infrastructure to account for roadway improvements, while also maintaining existing driveway connectivity. Drainage permitting for the project was done through the Broward County Environmental Protection Department. The team will also provide limited construction phase services.

## PAST EXPERIENCE

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. 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.

### *Town of Palm Beach*

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#### *Patricia Strayer, P.E. – Town Engineer*

951 Old Okeechobee Road, Suite A, West Palm Beach, FL 33401  
561.838.5440; pstrayer@townofpalmbeach.com

**Description of Project:** Please see Townwide Undergrounding of Utilities Program provided on page 2

**Dates of Project:** 2016 – Present, timelines as established and modified have been met

### *City of St. Pete Beach*

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#### *Brett Warner, P.E. - City Engineer*

155 Corey Avenue, St. Pete Beach, FL 33706  
727.363.9254; bwarner@stpetebeach.org

**Description of Project:** Please see St. Pete Beach Undergrounding Program Assessment provided on page 7

**Dates of Project:** 2020 – Present, timelines as established have been met

### *City of West Palm Beach*

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#### *Vladimir Jeannot – Special Projects Manager*

401 Clematis Street, West Palm Beach, FL 33401  
561.494.1107; vjeannot@wpb.org

**Description of Project:** Please see Clematis 300 Block Alley Undergrounding of Utilities provided on page 5

**Dates of Project:** 2018 – 2020, timelines as established and modified have been met

### *City of Fort Lauderdale*

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#### *Louis Lafaurie, P.E. – Project Manager*

100 N Andrews Ave, Fort Lauderdale, FL 33301  
954.828.6538; LLafaurie@fortlauderdale.gov

**Description of Project:** Please see Breakers Avenue Undergrounding Conversion Project provided on page 7

**Dates of Project:** 2020 – Present, timelines as established have been met