

Kimley-Horn and Associates, Inc.

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Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch. Docs
PSEN-18-02-05-01-01	Please Submit Documents Here	Supplier Product Code:	First Offer -	1 / each	Y
Supplier Total					\$0.00

Kimley-Horn and Associates, Inc.

Item: Please Submit Documents Here

Attachments

RSRD26012.19 -Design Post Services for Poinciana Drive_FINAL.pdf



Design & Post Services – Poinciana Drive





Design & Post Services: Poinciana Drive

City of Pembroke Pines

DESIGN & POST SERVICES Poinciana Drive

CCNA # PSEN-18-02-05

Kimley»Horn

Kimley-Horn and Associates, Inc.
600 North Pine Island Road
Plantation, FL 33324
Phone: 954.535.5100

Stefano Viola, P.E.
Project Manager
stefano.viola@kimley-horn.com

May 13, 2019



Table of Contents

<i>Section</i>	<i>Tab</i>
Table of Contents	
Letter of Interest	1
Ability of Professional Personnel	2
Certified Minority Business Enterprise	3
Past Performance	4
Willingness to Meet Time and Budget Requirements	5
Location	6
Recent, Current, and Projected Workload	7
Firm's Understanding and Approach to the Work	8
Additional Information	9

Kimley»Horn

Expect More. Experience Better.



Tab 1.

Letter of Interest



Design & Post Services: Poinciana Drive

1. Letter of Interest

May 13, 2019

City of Pembroke Pines
Public Services Department, Utilities Division
8300 South Palm Drive
Pembroke Pines, FL 33025

Kimley»Horn

Re: Request for Letter of Interest for Design & Post Services – Poinciana Drive; CCNA # PSEN-18-02-05

Dear Selection Committee Members:

Kimley-Horn is pleased to submit this letter of interest and proposed project approach for Design & Post Services for the Poinciana Drive project. The City needs a consultant they can trust—one who listens, understands, and has the local talent and experience to achieve your goals of efficient and cost-effective design and construction of these roadway improvements. Kimley-Horn is that consultant. Our team has firsthand knowledge of what it takes for roadway improvement projects such as Poinciana Drive. We also have helped secure permits with South Broward Drainage District, the City of Pembroke Pines Building Department, and Broward County Traffic Engineering Division. Kimley-Horn is highly qualified to provide design, permitting, bidding, and post design services for the following reasons:

Competent Project Manager. I will serve as your experienced project manager and single point of contact. I have been serving municipal clients for more than 13 years and have a passion for roadway projects. I have worked on several similar projects in the Tri-County area, including a roadway improvement project for the City of Miramar's Historic Downtown Revitalization initiative along Miramar Parkway that includes roadway widening to accommodate on-street bicycle lanes, drainage, landscaping, and sidewalk improvements to help stimulate development within the historic downtown area. The project also included a mid-block crossing and enhanced hardscaping to provide traffic calming along this highly trafficked roadway. Additionally, I have recently completed design on the next phase of the corridor, which is Miramar Parkway from 64th Avenue to 68th Avenue. This phase is in the adjacent residential area of the corridor and includes safety enhancements, on-street bicycle lanes, and landscape improvements throughout the corridor. I served as project manager for both of the above projects; Phase 1 was completed in 2017 and Phase 2 is currently in construction.

Dedicated Project Team. For this effort, I have assembled a local team that truly understands the City of Pembroke Pines, Florida Statutes, and other governmental agencies, as well as the role we will serve in the success of the City's growth and vitality. Kimley-Horn takes pride in showcasing our commitment to quality and presenting our best employees to you. We recognize that our obligation to provide the City with quality results requires an accessible office and superior staff.

Depth of Staff. For many years, Kimley-Horn has provided cities such as Pembroke Pines with innovative ideas and services for municipal infrastructure projects. The team of professionals proposed herein have worked together on similar projects such as the City of Miramar's Historic Downtown Revitalization project and the Town of Davie's SW 67th Avenue Roadway Extension project. We all have extensive experience providing design and construction phase services for similar roadway improvement projects in the County.

Total no. of offices: 90 nationwide (including 15 in Florida)

Total no. of employees: 3,633, as of May 2019

Kimley-Horn's corporate headquarters address:

Kimley-Horn, 421 Fayetteville Street, Suite 600, Raleigh, NC 27601; 919.677.2000

Kimley-Horn office serving the City of Pembroke Pines:

Kimley-Horn, 600 N. Pine Island Road, Suite 450, Plantation, FL 33324; 954.535.5100



Design & Post Services: Poinciana Drive



City of Pembroke Pines
Page 2

Local Team, Local Resources. Less than 20 minutes from the City's offices and project site, our Fort Lauderdale office is ideally located to serve you. We will be available to attend project meetings, make site visits, or perform other activities to advance, perform, and complete the work as necessary.

Qualified Subconsultants. We have partnered with **Stoner & Associates, Inc.** and **Tierra South Florida, Inc. (MBE)** for Surveying and Geotechnical services, respectively. These two firms have extensive local experience and have served the City of Pembroke Pines previously on several projects.

Benefits of Selecting Kimley-Horn. By selecting our team to serve as your consultant for the Design & Post Design Services for the Poinciana Drive Roadway Improvements project, the City of Pembroke Pines will benefit in the following ways:

- A proven project manager dedicated to client service and the success of this project
- Full range of consulting engineering, roadway/drainage design, drainage design, landscape design, and construction phase services
- Depth of knowledge regarding permitting projects within the City of Pembroke Pines, South Broward Drainage District, and Broward County Traffic Engineering Division jurisdiction
- Focus on value and stewards of the project budget
- Excellent communication skills
- Adaptability during design

Summary. The Kimley-Horn project team is dedicated to meeting the needs of the City of Pembroke Pines for the Poinciana Drive Roadway Improvements project. We will actively identify and solve critical issues, find reliable and innovative solutions, and provide responsive and cost-effective service.

Our goal is to provide you with technical excellence delivered in a professional, timely, and economical manner. We are dedicating a specific team of professionals who have comprehensive knowledge of the project, and who have the required expertise in the areas of roadway design, project permitting, and post design services to meet your schedule and budget goals. Kimley-Horn welcomes the opportunity to further discuss the services we offer. We sincerely appreciate the opportunity to present our qualifications and look forward to serving as your consultant.

Sincerely,

KIMLEY-HORN

Stefano Viola
Project Manager

Russell Barnes, P.E.
Principal



Tab 2.

Ability of Professional Personnel



Design & Post Services: Poinciana Drive

2. Ability of Professional Personnel

The City of Pembroke Pines needs a team that can navigate the responsibilities and challenges presented by this project with a clear vision and dependable approach, as well as a team that can leverage familiarity with the local community and your goals to effectively serve as an extension of City staff. The Kimley-Horn team's longstanding experience with similar projects and communities throughout southeast Florida exemplifies our proven track record of client service, responsiveness, and versatility. This is a group of highly driven, passionate individuals with a history of working together to deliver positive outcomes and exceed client expectations. We take pride in our service, depth of resources, and the commitment to making our clients successful.

The quality of our project team is reflected by our recognition in two major employer-of-choice awards; in 2019, *Fortune* Magazine ranked Kimley-Horn #18 on its list of **"The 100 Best Companies to Work for."** *Engineering News-Record* ranked Kimley-Horn **#20 overall of the top 500 US design firms and 7th among the top 100 "pure design firms."** This level of recognition is a point of pride not just for our employees and firm, but our clients, as well. Investing in our staff and firm culture greatly impacts our ability to provide exceptional client service; we attract the best talent and retain them for decades, strengthening our reputation for effective management and lasting client relationships. The staff listed on the following pages are the same local, highly talented professionals you will come to recognize and partner with for years to come.



Additionally, two aspects that separate Kimley-Horn from other firms are the ability to provide fully integrated, in-house services, and our access to a deep pool of personnel and resources throughout the Florida region. As a multidisciplinary firm, our range of disciplines and services allows us to handle any task and respond to any need; as such, we must be flexible and proactive in the utilization of our diversified resources. With that in mind, our firm operates as a "single business unit," meaning additional resources can be pulled from our regional and national talent pool when needs arise or special expertise is helpful. At Kimley-Horn, offices and regions are not in direct competition with one another; without needing to jump through corporate hoops that cause significant delays or cost you more money than necessary, employees can be seamlessly "shifted" from offices when workload or specific tasks demand it. Though the bulk of production work associated with this project will be completed from our local Fort Lauderdale office, this shared mentality and access to our more than 800 employees in Florida and more than 3,600 nationwide is a unique feature of Kimley-Horn that has consistently enabled us to deliver the exceptional client service we are known for.

Stefano Viola, P.E. will serve as your project manager and single point of contact. Resumes for our project team are included on the following pages.



Stefano Viola, P.E.

Project Manager

Relevant Experience

Historic Miramar Complete Streets, Miramar, FL — Project engineer for the development of design concepts and a phasing plan for the City to implement their Complete Streets vision utilizing a Broward County Redevelopment Program grant. Opinions of probable construction cost were developed in support of the phasing plan, along with a narrative detailing the design and cost differences between the initial grant application and current anticipated construction pricing. The Complete Streets improvements, designated for the 255-acre project area, include 7 miles of sidewalk improvements with accessible ramps and crosswalks, potential biking facilities, decorative crosswalk treatments, street trees, sodded swale improvements, irrigation, and pedestrian level lighting.

Miramar Parkway Streetscape from SW 64th Avenue to SW 68th Avenue, Miramar, FL — Project manager for this FDOT LAP funded project that involves roadway, landscape, irrigation, and lighting improvements on Miramar Parkway. Additional project improvements include bicycle lanes, drainage modifications, landscaping, lighting, hardscaping, driveway apron regrading, sidewalk replacement, ADA improvements at the intersections, and a mid-block pedestrian crossing/emergency signal modification.

SW 67th Avenue Design, Davie, FL — Project manager for an extension of the Town's existing roadway from NW 41st Court south to Orange Drive. The expansion provided approximately 1,400 linear feet of a new 2-lane roadway that included roadway swales and exfiltration trench for drainage. Along with the roadway and drainage improvements, the project included an 8-foot-wide sidewalk addition to improve pedestrian and equestrian traffic through the Town. Once completed the project will provide additional access to the area schools and help alleviate the traffic on Davie Road extension.

NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise, FL Project engineer. The City of Sunrise applied for a \$927,000 Transportation Alternatives Grant administered by the Florida Department of Transportation to construct bicycle lanes and street improvements on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard. The City retained Kimley-Horn for design services for landscape, lighting, drainage, pedestrian, and bicycle enhancements. This includes developing schematic design, design development, permitting, and construction documents. Additionally, Kimley-Horn environmental scientists will review natural, social, and physical resource data in the area and complete a Type 1 and Programmatic Categorical Exclusion (CE) checklist.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL — Project engineer for this historic fountain restoration and roadway beautification project within the heart of the Town's commercial corridor. Phase I of the project included the restoration of the Mizner Memorial Fountain that was originally constructed in 1929. This part of the project was partially funded by the State of Florida through a historic preservation grant. Phase II of the project includes streetscape improvements consisting of landscaped nodes, decorative pedestrian crossings, updated urban park landscaping that creates a public gathering area in the median of a roadway where the fountain feature resides, modification of various underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the area. Phase II of the project will be partially funded by the state of Florida through a historic preservation grant and through private citizen donations.



Special Qualifications

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

Professional Credentials

- Bachelor of Science, Civil Engineering, Florida International University
- Professional Engineer in Florida, #74655, June 8, 2012
- American Society of Civil Engineers
- Florida Engineering Society

Stefano Viola, P.E.

Relevant Experience Continued

Downtown Phase I and II, and Lake Patricia Roadway/Drainage Improvement Projects, Miami Lakes, FL

Project manager and provided permitting and construction phase services; also involved with preparation of construction documents and specifications. Kimley-Horn was involved with the design and permitting services to implement a large roadway and drainage improvement project located in Downtown Miami Lakes. The project area consisted of Bull Run Road from NW 67th Avenue south to Ludlum Road and Miami Lakeway North from NW 67th Avenue to Miami Lakes Drive. It also included Main Street and Meadow Walk from Bull Run to Miami Lakeway North. The capital project included approximately one mile of roadway restoration/resurfacing and drainage improvements in residential/business areas, curbing and sidewalk improvements, a new outfall pipe, swale restoration, signing and pavement markings, and site restoration. The drainage improvements consisted of approximately 3,000 linear feet of exfiltration trench, approximately 2,500 linear feet of HDPE piping, approximately 40 drainage structures and one outfall structure and headwall.

Parker Playhouse - Broward Center for the Performing Arts Fort Lauderdale, FL — Project manager. Kimley-Horn is providing professional engineering services to redevelop the existing Parker Playhouse located on 707 NE 8th Street. The improvements will require onsite exfiltration trench and drainage areas as well as water and sewer improvements. Permitting is required for the City of Fort Lauderdale Utilities, Broward County Department of Environmental Protection (DEP), Broward County Health Department, National Pollutant Discharge Elimination System (NPDES), City of Fort Lauderdale Engineering, Broward County, and City of Fort Lauderdale Building Department. Also provided utility coordination. The Broward Center of the Performing Arts is a public-private partnership which was originally constructed in 1989 and is located in the heart of the Fort Lauderdale Arts and Science District. Kimley-Horn provided the traffic access, circulation, and parking studies for the original facility.

Broward Center for the Performing Arts Renovation and Expansion, Fort Lauderdale, FL — Project engineer. Also provided utility coordination. The Broward Center of the Performing Arts is a public-private partnership which was originally constructed in 1989 and is located in the heart of the Fort Lauderdale Arts and Science District. Kimley-Horn provided the traffic access, circulation, and parking studies for the original facility. In 2012, Kimley-Horn provided traffic studies and site civil engineering for the expansion and renovation of the facility. The expansion included a production wing, an educational wing, and a pavilion along the river walk. The expansion construction started in 2013 and was completed in 2014. The six-acre site required extensive drainage modeling for an Environmental Resource Permit (ERP)/ Broward County Stormwater Permit modification.

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.

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

NW 41st Street Traffic Calming Improvements, Lauderdale Lakes, FL — Project manager for the preparation of conceptual designs through construction documents and associated permits for the NW 41st Street Traffic Calming Improvements Project in the City of Lauderdale Lakes, Florida. The project consisted of surveying, civil engineering, landscaping, hardscaping and irrigation design, permitting, and construction services for a roundabout to be located at the intersection of NW 41st Street and NW 35th Avenue. The project included the installation of new drainage improvements, pavement renovations, signing and pavement markings, utility adjustments, and maintenance of traffic. The work was planned and completed with minimal disruptions to the City during construction.

Marwan Mufleh, P.E.

Principal-in-Charge, Roadway Design

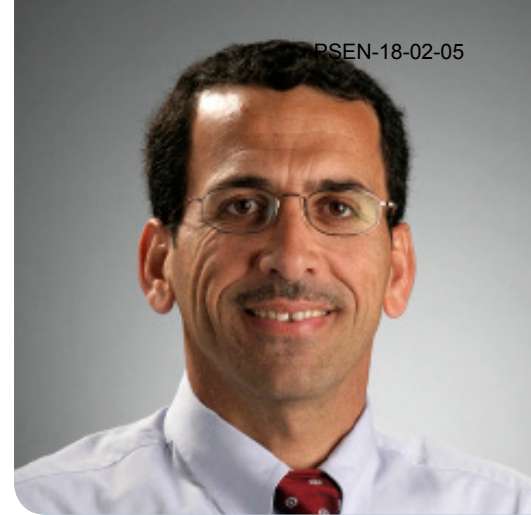
Relevant Experience

Las Olas Boulevard and Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale, FL — Project manager. Kimley-Horn assisted the City with preliminary designs for the reconfiguration of Las Olas Boulevard, which resulted in the City implementing a pilot project for temporary lane elimination and buffered bike lanes. Our services also addressed traffic circulation, safety, multimodal mobility, and quality-of-life issues along the Las Olas Boulevard corridor (from just west of the Himmarshee Canal to the Intracoastal Waterway Bridge). The project also included a traffic calming study for the Colee Hammock neighborhood. Improvements included enhanced crosswalks, raised intersection, and warning lights for improved safety. For Colee Hammock, our team provided plans for roadway design, signing and pavement markings, lighting improvements, and permitting application preparation. Kimley-Horn also provided post-design construction services.

Las Olas Boulevard Corridor Improvements, Fort Lauderdale, FL — Project engineer. Kimley-Horn provided final design, evaluation, and due diligence services for this mixed-use project for the City of Fort Lauderdale Community Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage; active park and plaza areas; and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. Kimley-Horn also provided the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

Seacrest Boulevard Roadway Improvements, Boynton Beach, FL — Project manager. This project includes the redevelopment of Seacrest Boulevard from the Boynton Canal to Boynton Beach Boulevard. Provided streetscape design, permitting procurement and creation of construction documents for the CRA of Boynton Beach. Provided coordination with the CRA, Palm Beach County Streetscape Division, and the City of Boynton Beach. Provided coordination with Kimley-Horn roadway team, civil engineer, and lighting engineer. Special attention to beautify this blighted part of Seacrest Boulevard which had no trees within the public right of way by incorporating canopy and palm trees, a new sidewalk design, landscaped medians, decorative crosswalks, and street lighting.

SR A1A Complete Streets Design, Hollywood, FL — Project manager for a feasibility study to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with state agencies for design approvals. The roadway plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signage. The team also provided traffic signal analyses, driveway access reviews, emergency vehicle access reviews, meetings and coordination, and permitting services. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for the public's input before final design.



Special Qualifications

- Has 31 years of civil engineering experience
- Principal areas of practice include project management from the design concept stage through the construction administration phase, roadway design, streetscape, Complete Streets, roadway lane re-purposing, traffic calming, neighborhood revitalization, drainage design, innovative pavement design, pavement marking, and maintenance of traffic
- Served as project manager on numerous successful highway design and construction projects for Broward County and various municipalities and CRAs
- Highly experienced with neighborhood street redevelopment and lane elimination to repurpose streets for all modes of transportation Experienced in Microstation and Geopak

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Texas, Arlington
- Professional Engineer in Florida, #45329
- American Society of Civil Engineers
- American Society of Highway Engineers
- Florida Engineering Society

Marwan Mufleh, P.E.

Relevant Experience Continued

Boynton Beach Boulevard Design from East of I-95 to US-1, Boynton Beach, FL — Project manager providing design services for this multi-stage project in the City of Boynton Beach. The design improvements to the project area (east of I-95 to US-1) include landscape architecture enhancements and Complete Streets features. Design features include narrowed lanes and expanded sidewalks to encourage pedestrian mobility and landscape/hardscape upgrades within the corridor. Our services include roadway and landscape design; signing and marking; signal plans; lighting; traffic analysis; utility coordination; permitting assistance; and public involvement services.

SR A1A Streetscape Improvements, Fort Lauderdale, FL — Project manager. 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 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 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.

Lake Worth Streetscape Design-Build (includes 10th Avenue North/6th Avenue South Enhancement Project), Lake Worth, FL — Provided traffic engineering services for this streetscape project in Lake Worth. The project extended from I-95 to Dixie Highway along 6th Avenue and 10th Avenue. This was part of an effort by the Community Redevelopment Agency (CRA) to improve major roads in their community. Kimley-Horn teamed with Burkhardt Construction, Inc., on this design/build project.

MLK Jr. Boulevard Improvements and Downtown Connectivity, Pompano Beach, FL — Kimley-Horn was a subconsultant to Keith and Associates to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach CRA for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road) between NW 0th Avenue to east of Dixie Highway. Marwan supervised a group of professionals to provide traffic analysis studies, signal modification design, maintenance of traffic plans, irrigation plans and provided assistance during the construction phase.

NW 27th Avenue, Pompano Beach, FL — Supervised project manager for the reconstruction of one mile of a two-lane urban arterial within a residential area. The project involved numerous driveway connections, drainage, landscaping, and irrigation.

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood, FL — Contract manager for the Kimley-Horn team that prepared a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. A vision for a “transit-ready corridor” along the FEC Railroad was created by designing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station. The Complete Streets approach recommended in this study includes a “road diet” lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) Railroad.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL — Project manager for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. As part of this design, we incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO. We coordinated closely with the County to tackle issues related to the narrow areas of the corridor, including a balance between traffic lane, sidewalk and bike lane widths. This segment had grant funding from FOOT and the improvements included roadway design, Complete Streets design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, permitting coordination with the City of Coral Springs and detailed traffic control plans.

Federal Highway (US 1) Enhancements, Delray Beach CRA, Delray Beach, FL — Project manager. This project included two miles of the US 1 oneway pair in each direction in Delray Beach. The City and its Community Redevelopment Agency (CRA) adopted the Downtown Delray Beach Master Plan, which has as one of its key elements a reconfiguration of the two one-way segments of US 1 from three lanes to two lanes. The design provided two lanes each way with on-street parking for both avenues, City residents and visitors will soon enjoy the benefits of on-street, buffered parking; slower speeds and a safer, more pedestrian-friendly environment; landscaping beautification and decorative, environmentally sensitive street lighting; bicycle lanes; and a new sense of continuity with the Downtown area.

Stewart Robertson, P.E.

Quality Assurance/Quality Control

Relevant Experience

Broward Complete Streets Guidelines, Broward County, FL — Project manager for the Kimley-Horn team that prepared the Broward Complete Streets Guidelines for a partnership including the Broward Regional Health Planning Council (BRHPC) and the Broward Metropolitan Planning Organization (MPO). The guidelines were customized for local Broward jurisdictions and to reflect local conditions, Florida State Statutes, and Florida design criteria. Themes that were incorporated into the Guidelines include public health, smart growth, transportation equity, sustainability, placemaking, safety, and age- in-place. The resulting Guidelines present standards and design guidance for planners, engineers, and maintenance officials to achieve a vision of implementing complete streets principles, which aim to design streets for people of all ages and physical abilities and accommodate all travel modes. Duties included development of technical content, stakeholder coordination, and giving monthly presentations to the Complete Streets Technical Advisory Committee (TAC).

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood, FL — Project manager for preparation of a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. A vision for a “transit-ready corridor” along the FEC Railroad was created by designing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station. The Complete Streets approach recommended in this study includes a “road diet” lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) Railroad.

Complete Streets Design Guidelines, Miami-Dade County, FL — Project manager for development of the Miami-Dade Complete Streets Design Guidelines to provide the unifying design document for local governments in Miami-Dade County to be able to identify and incorporate Complete Streets elements into road projects. The Design Guidelines are targeted toward engineers, planners, and developers. Kimley-Horn collaborated with local government staff to identify and incorporate key principles into the documentation—Safety, Health, Modal Equality, Context Sensitivity, and Sustainability. A unique street typology was developed specific to Miami-Dade streets and land use types to structure design guidance and criteria. Additional guidance is provided on a range of topics including bus stops, access to transit, landscaping type and spacing, bike parking, traffic calming, goods movement and deliveries, accommodating transportation network entities (TNEs), and preparing for autonomous vehicles (AVs).

Downtown Fort Lauderdale Connection Project Needs Study and Evaluation of Conceptual Alternatives, FDOT District Four — Provided planning and engineering services for preliminary feasibility study assessing the potential for a high capacity transit connection between the I-95/Tri-Rail corridor and the Fort Lauderdale CBD. Duties included collection of transit and traffic data for eleven project corridors, collection of present land use data and future development information, analyzing existing and future conditions for eleven project corridors, utilizing geographic information systems (GIS) to analyze and present data, development of conceptual high capacity transit alternatives, and assisting in writing reports.

Palm Beach MPO Complete Streets Design Guidelines, Palm Beach, FL
Project manager for development of countywide Complete Streets Guidelines to encourage the development of walkable, bikeable, and transit-friendly communities



Special Qualifications

- Has 18 years of experience specializing in transportation planning and engineering, with an emphasis in multimodal planning and design including complete streets and bicycle/ pedestrian safety and mobility
- Project management experience includes multimodal master planning; complete streets planning, design, and implementation; design plan reviews; bicycle corridor studies; pedestrian and bicycle network plans; pedestrian safety studies; transit studies; transit ITS implementation; corridor analysis; intersection capacity analysis; travel demand analysis; and geographic information systems (GIS)

Professional Credentials

- Master of Science, Civil Engineering, University of Kentucky
- Bachelor of Science, Civil Engineering, University of Kentucky
- Professional Engineer in Florida, #63939, December 31, 2005
- American Society of Civil Engineers
- Institute of Transportation Engineers
- National Society of Professional Engineers

Stewart Robertson, P.E.

Relevant Experience Continued

through an integrated approach to planning the County's transportation networks. The County's goal is to incorporate Complete Streets elements into all phases of roadway planning, design, construction, and maintenance. Deliverables include a Complete Streets Design Guidelines document that directs engineers and planners regarding how to plan and design Complete Streets elements into all types of transportation and land development projects. Complete Streets Design Guidelines also provide guidance regarding construction and maintenance practices that encourage walking, biking, public transit use, and promote safety and accommodation for all users.

Martin County Metropolitan Planning Organization (MPO) On-Call Transportation Services, Martin County, FL

Project manager for on-call transportation planning services for the Martin MPO. Task work orders have ranged from federal certification review support services to congestion management services to household travel survey services. The certification review scope included assistance with the preparation of responses to Federal Highway Administration (FHWA) questions, organizing the certification review public meeting, and attendance at meetings to provide guidance regarding the Long Range Transportation Plan (LRTP) development, regional coordination, and environmental documentation. Stewart managed the Kimley-Horn team that prepared the East Ocean Boulevard Congestion Management Corridor Study, which recommended a series of connectivity and mobility enhancements for the area including local street connectivity improvements, mid-block crosswalks, median refuges, and access management strategies.

The Underline, Miami-Dade County, FL — Task manager for the Kimley-Horn team that led the traffic engineering aspects of The Underline Master Plan. Developed innovative engineering techniques for providing intersection crossing safety for The Underline, an iconic bicycle and pedestrian greenway and urban linear park under the Miami-Dade Metrorail corridor. Improvements included wide path crossings with separate space for bicyclists and pedestrians, pavement markings, colored pavement treatments, and bicycle traffic signals. Prepared a traffic engineering study that forecast the potential usage of The Underline and estimated the amount of motor vehicle trip reduction on the adjacent US 1 corridor, which resulted in the approval for the use of Miami-Dade Road Impact Fee (RIF) funding for The Underline. Providing traffic engineering services for the construction documents for the Phase 1 "Brickell Backyard" section of The Underline.

Districtwide Pedestrian and Bicycle Consultant, FDOT District Six — Project engineer conducting engineering reviews of design plans and reports for incorporating, extending, and/or enhancing bicycle and pedestrian facilities; submitting project review comments within the electronic review comment process; and coordinating with design engineers and FDOT project managers. In addition, Kimley-Horn has assisted the Department with performing tasks such as organizing the Florida Atlantic bicycle and pedestrian workshop; designing the implementation of sharrows on SR A1A in Hollywood to fill a gap between bike lanes; and participating in field meetings for resurfacing projects.

Bicycle/Pedestrian Mobility Plan for the Miami Downtown Development Authority Area, Miami, FL — Project manager for a joint effort of the Metropolitan Planning Organization (MPO) and the Miami Downtown Development Authority (DDA). Significant aspects of the Plan included the transportation mobility analysis, setting of goals and objectives, developing recommendations, and coordinating a 15-member steering committee. Recommendations were organized into 37 distinct projects, for which project specific implementation tasks, lead agencies, support agencies, and cost ranges were identified. Projects focused on improving mobility and safety for pedestrians and bicyclists in the downtown area. At its conclusion, the Plan was endorsed by both the MPO Governing Board and the DDA Governing Board.

Transportation Element Data Inventory and Analysis, Miami Lakes, FL — Member of the consulting team that created the first comprehensive plan for the Town of Miami Lakes. Kimley-Horn prepared the Transportation Element Data Inventory Analysis required by the Department of Community Affairs under Rule 9J-5.019 FAC for all local governments in Florida. This required extensive data collection and analysis of the various transportation systems in the Town (automobile, transit, bicycle and pedestrian) to inventory existing conditions and measure level of service. The information collected was analyzed and compiled into a series of maps created with GIS software. This document formed the foundation for the goals, policies, and objectives identified in the Transportation Element of the Town's Comprehensive Plan.

Federal Highway (US 1) Final Enhancements, Delray Beach, FL — Project engineer. This multi-phased project included a study, conceptual design, temporary implementation of the design for a trial period, and final design of the permanent improvements. The City and its CRA adopted the Downtown Delray Beach Master Plan, and one of its key elements is a reconfiguration of the two one-way segments of US 1 from three lanes to two. Kimley-Horn evaluated potential changes to the lane configuration along southbound and northbound segments of US 1. We developed alternatives, forecasted future traffic volumes for review with the City and the CRA, and led several public involvement workshops.

Tiffany Stanton, P.E.

Project Engineer, Roadway Drainage

Relevant Experience

NW 64th Avenue Improvements, Sunrise, FL — Project analyst. The City of Sunrise applied for a \$927,000 Transportation Alternatives Grant administered by the Florida Department of Transportation to construct bicycle lanes and street improvements on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard. The City retained Kimley-Horn for design services for landscape, lighting, drainage, pedestrian and bicycle enhancements. This includes developing schematic design, design development, permitting, and construction documents. Additionally, Kimley-Horn environmental scientists will review natural, social, and physical resource data in the area and complete a Type 1 and Programmatic Categorical Exclusion (CE) checklist.

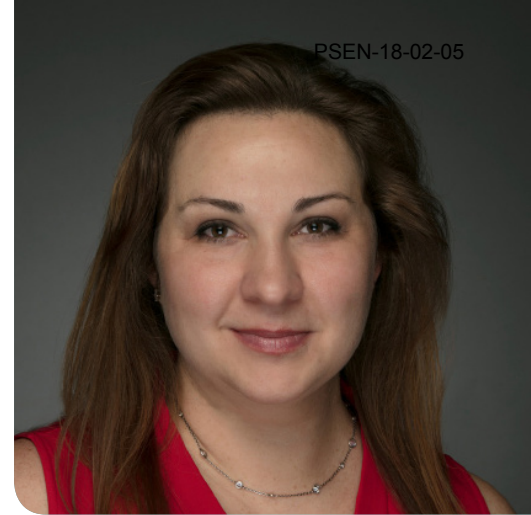
Miramar Historic Downtown Revitalization, Miramar, FL — Project analyst. The Historic Downtown Revitalization is a streetscape project on Miramar Parkway between SW 68th Avenue to SW 69th Way within the City of Miramar. The project improvements include landscaping, sidewalks, street lighting, ADA improvements at the intersections, and a mid-block pedestrian crossing. Additionally, SW 69th Way had minor flooding issues which were addressed during this project.

Miramar Parkway Streetscape from SW 64th Avenue to SW 68th Avenue, Miramar, FL — Project analyst for this FDOT LAP funded project that involves roadway, landscape, irrigation, and lighting improvements on Miramar Parkway. Additional project improvements include bicycle lanes, drainage modifications, landscaping, lighting, hardscaping, driveway apron regrading, sidewalk replacement, ADA improvements at the intersections, and a mid-block pedestrian crossing/emergency signal modification.

OB Johnson Park, Hallandale Beach, FL — Project analyst 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.

Plantation Key Courthouse and Detention Center, Village of Islamorada, FL Project analyst for the demolition of four onsite buildings and the construction of an approximate 30,000-square-foot courthouse and a 12,000-square-foot detention center and associated surface parking on 2.2 acres. These improvements require onsite exfiltration trench and drainage retention areas as well as water and sewer improvements. The scope includes site plan processing assistance and design development. Additional services include environmental engineering and permitting, traffic engineering, and offsite improvements design.

Stormwater Master Plan Update #3, Miami Lakes, FL — Project analyst. Kimley-Horn has completed two updates to the Town's original stormwater master plan, and is currently working on a third update. The Stormwater Master Plan Updates provide the Town with a comprehensive look at completed stormwater improvements throughout the Town and provides an update to the CIP and a reprioritization of remaining stormwater work. Since incorporation, Kimley-Horn has also provided



Special Qualifications

- Has six years of engineering experience

Professional Credentials

- Bachelor, Civil Engineering, Florida Atlantic University
- Professional Engineer in Florida, #85268, June 23, 2018

Tiffany Stanton, P.E.

Relevant Experience Continued

support to assess the condition of roads, sidewalks, signing, and striping throughout the Town limits. The recommendations from this assessment also included a prioritization of the improvements along with a five-year CIP. To facilitate implementing all identified Town improvements, Kimley-Horn provided construction documents, assisted in obtaining bids from contractors to implement the projects, and provided limited construction phase services.

Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP), Fort Lauderdale, FL — Project analyst. Prior to this project, FXE did not have an ERO 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 includes pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

Lakeshore Park Improvements, Miramar, FL — Project analyst. Kimley-Horn was retained by the City of Miramar to provide professional services associated with developing contract documents for Lakeshore Park project. The redevelopment of this 9.38-acre park included the addition of the following park amenities: a picnic pavilion; a shade shelter; an open lawn play space; playground equipment; passive recreation features such as fitness equipment, sitting areas, and drinking fountain; a lighted parking area; landscaping and irrigation design; and fencing. These new improvements complement the pre-existing tennis, basketball, netball, and racquetball court facilities at the park. The scope included civil and landscaping construction documents, permitting, bidding assistance, and construction phase services.

Motorola at Plantation Pointe, Plantation, FL — Project analyst. 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.

Sean Bukovich, P.E.

Roadway Design

Relevant Experience

SR A1A Lane Reduction and Complete Streets Design, Hollywood, FL

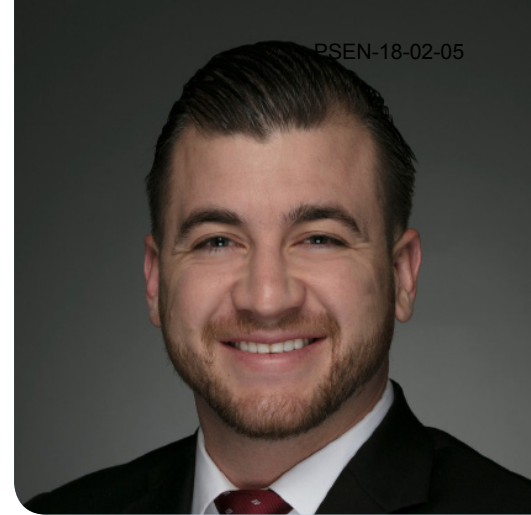
Project engineer on the Kimley-Horn team serving the City of Hollywood to help reduce the travel lanes widths and incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The concept plans will include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, bicycle lanes, and designated loading zones; and improved street furniture, landscaping, and signage. The team will also provide traffic signal/roundabout analysis, driveway access review, emergency vehicle access review, meetings and coordination, and permitting services.

Las Olas Boulevard Corridor Improvements, Fort Lauderdale, FL — Project engineer. Kimley-Horn is providing preliminary design, evaluation, and due diligence services for this mixed-use project for the City of Fort Lauderdale Community Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage; active park and plaza areas; and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. Kimley-Horn is providing the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

Design-Build Criteria Packages for Broward MPO Regional Complete Streets Initiatives, FDOT District Four — Project engineer for the development of five design-build criteria packages for the following locations in Broward County: Hammondville Road from Powerline Road to W. of I-95; NW 31st Avenue from Commercial Blvd to McNab Road; Powerline Road from Oakland Park Blvd to Commercial Boulevard; Lauderdale Lakes Greenway from NW 31st Ave to NW 29th Ave.; and Riverland Road from SR 7/US 441 to SR 842/Broward Boulevard. The MPO requested the construction of new bicycle and pedestrian facilities in the existing right-of-way to improve safety and access for Broward's residents and provide more transportation alternatives. Design services also include milling and resurfacing, utility coordination, signing and pavement marking, signal improvements, landscaping, and public involvement.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL — Project engineer for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. As part of this design, we incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO. We coordinated closely with the County to tackle issues related to the narrow areas of the corridor, including a balance between traffic lane, sidewalk and bike lane widths. This segment had grant funding from FDOT and the improvements included roadway design, Complete Streets design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, permitting coordination with the City of Coral Springs and detailed traffic control plans.

SR A1A Streetscape Improvements, Fort Lauderdale, FL — Project engineer. 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



Special Qualifications

- More than seven years of engineering experience
- Responsibilities include roadway, drainage, signing and pavement marking and signalization design; developing roadway profiles; cutting cross-sections; performing calculations; coordinating plan preparation; creating OPC's and utilizing FDOT's LRE system; and assisting on project reports
- Provides support to senior engineers on projects that involve roadway and drainage design
- Extensive experience with Broward and Palm Beach County municipal clients

Professional Credentials

- Bachelor of Science, Civil Engineering, Florida Atlantic University
- Professional Engineer in Florida, #84287, December 16, 2017
- Florida Engineering Society

Sean Bukovich, P.E.

Relevant Experience Continued

sidewalk on both sides of the street outside of the curbing in order to provide 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 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.

Las Olas Blvd and Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale, FL — Project engineer. Kimley-Horn provided professional services to address traffic circulation, safety, multimodal mobility, and quality-of-life issues along the Las Olas Boulevard corridor (from just west of the Himmarshee Canal to the Intracoastal Waterway Bridge). The area also included the Colee Hammock neighborhood, which was part of an earlier study to address short, mid and long-term improvements in the area. Improvements included enhanced crosswalks, lane elimination (road diet) for portions of corridor, and warning lights for improved safety. Our team provided plans for signing and pavement markings for these improvements, as well as lighting plans and permitting application preparation.

SR A1A RRR Design from East of Mercedes River Small Bridge to Sunrise Boulevard, FDOT District Four

Project engineer on the Kimley-Horn team selected for the milling and resurfacing of A1A from the bridge over the Mercedes River to Sunrise Boulevard. This portion of A1A is a designated Florida Scenic Highway. In addition, this particular segment is nationally and internationally renowned as the Fort Lauderdale Beach Strip. This project includes four different typical sections for SR A1A. A number of deficiencies were identified during field review, including unsafe pedestrian movements, cracked sidewalks, substandard bridge pedestrian aluminum rails, and abandoned, blocked-off driveway cuts. Kimley-Horn is using a holistic approach to ensure connectivity of the different modes of transportation including bicycle storage facilities and special signing to achieve a successful design within FDOT guidelines. Our work includes drainage repair, sidewalk modifications to meet ADA criteria, traffic control plans, lighting evaluation, and local agency coordination.

Boynton Beach Boulevard Design from East of I-95 to US 1, Boynton Beach, FL — Project engineer providing design services for this multi-stage project in the City of Boynton Beach. The design improvements to the project area (east of I-95 to US 1) include landscape architecture enhancements and Complete Streets features. Design features include narrowed lanes and expanded sidewalks to encourage pedestrian mobility and landscape/hardscape upgrades within the corridor. Our services include roadway and landscape design; signing and marking; signal plans; lighting; traffic analysis; utility coordination; permitting assistance; and public involvement services.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL — Project engineer. This project included two miles of the US 1 one-way pair in each direction in Delray Beach. The City and its Community Redevelopment Agency (CRA) adopted the Downtown Delray Beach Master Plan, which has as one of its key elements a reconfiguration of the two one-way segments of US 1 from three lanes to two lanes. The design provided two lanes each way with on-street parking for both avenues. City residents and visitors will soon enjoy the benefits of on-street, buffered parking; slower speeds and a safer, more pedestrian-friendly environment; landscaping beautification and decorative, environmentally sensitive street lighting; bicycle lanes; and a new sense of continuity with the Downtown area.

SE Neighborhood Street Reconstruction, Delray Beach, FL — Project engineer. Kimley-Horn was retained by Delray Beach for the reconstruction of the following streets: SE 5th Street from SE 6th Avenue to SE 7th Avenue, SE 7th Avenue from SE 5th Street to SE 4th Street, SE 7th Street from SE 6th Avenue street end. The scope included preparing construction plans for the streets above at existing grade. Kimley-Horn's services include coordinating site surveying, attendance at public meetings, pavement design, establishing new profiles to fix existing drainage issues, analyzing adjacent landscaping to determine needs for relocation, utility coordination, permit coordination, development of typical cross sections, preparing final design plans for the improvements, incorporating City of Delray Beach complete streets principals and providing opinions of probable costs.

North J Street Design and Reconstruction, Lake Worth, FL — Project engineer. As part of the City's Neighborhood Bond Program, the Kimley-Horn team is providing design and roadway reconstruction drawings. Traffic calming and pavement rehabilitation measures will be strategically developed and implemented to improve the overall quality of this section of North J Street (from 3rd Avenue to 8th Avenue). The team is providing utility coordination, roadway and drainage design, signing and pavement marking, landscape architecture, and extensive public involvement services including preparing graphics and attending community events.

John McWilliams, P.E.

Signing and Marking

Relevant Experience

Pompano Beach East Transit Oriented Corridor (ETOC) Transportation Analysis, City of Pompano Beach CRA — Project manager for the City of Pompano Beach CRA to provide transportation support services for proposed land use plan amendment along the Atlantic Boulevard corridor to allow for increased residential/mixed-use density and improve walkability/connectivity. Duties include corridor operations analysis, transportation systems management/geometric improvements, neighborhood protection and enhancement plans, and community outreach/workshops.

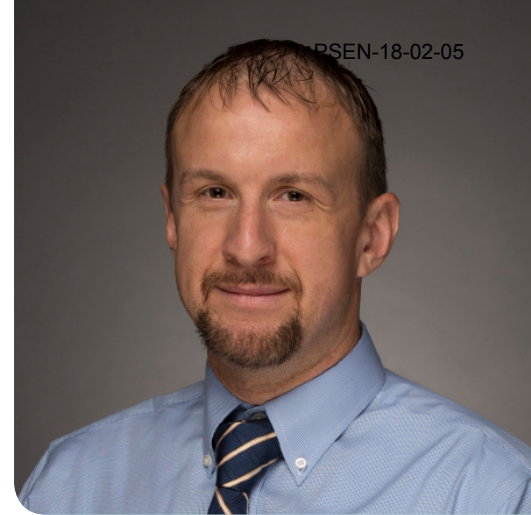
SR 992/Coral Reef Drive Corridor Study, FDOT District Six — Project manager for a corridor-wide study of the SR 992 corridor, from the SR 821/Homestead Extension of Florida's Turnpike to US 1/SR 5/South Dixie Highway, performed as part of district-wide contract. Tasks included data collection, safety analysis, bicycle/pedestrian facility analysis, access management analysis, future traffic volume forecasting, transit assessment, future operational analysis, alternatives development, conceptual design, cost estimating, and intergovernmental coordination. Report recommended intersection improvements over corridor wide widening.

Districtwide Intermodal Systems Planning (ISP) Contract, FDOT District Six Project manager for task work-order based contract to provide on-call services to the District's Intermodal Systems Development office. Services included Strategic Intermodal Systems (SIS) support, interchange access reviews, corridor studies, bicycle/pedestrian program support, growth management and land development reviews, arterial analyses, special use lanes/TSM&O planning and evaluation, level of service calculation and reporting, GIS mapping, and data collection. Contract assignments have included intersection conceptual improvement studies, comprehensive land use plan reviews, and interchange justification/modification report reviews.

General On-Call Traffic Engineering Services, Fort Lauderdale, FL — Project engineer for general traffic engineering and transportation planning services as part of an on-call contract with the city. Kimley-Horn serves as an extension of the City of Fort Lauderdale staff reviewing traffic impact studies and parking analyses. Projects to date have included peer review of traffic impact and parking studies, site plan review, and representation at public hearings.

Brickell City Centre, Miami, FL — Serving as project engineer. Located at the core of the City's financial district, Brickell City Centre is a nine-acre mixed-use development—and one of the largest active projects in the City of Miami today. The proposed development includes 830 residential units, a 290-room hotel, and 906,463 square feet of office of which 95,117 square feet will serve as a medical office. The development will also include 535,300 square feet of retail of which 142,000 square feet will serve as entertainment uses such as a nightclub, cinema, and a bowling alley. Kimley-Horn is providing civil engineering, traffic engineering, roadway design, transit engineering, and construction phase services for the site.

PD&E Study for NE 203rd & NE 215th Street Intersection Improvements, Miami-Dade County, FDOT District Six — Serving as transportation engineer for a study of a potential full-grade separation at the FEC line crossings at NE 203rd and NE 215th streets to eliminate vehicle conflicts and enhance traffic operations. Tasks include design traffic analyses & documentation, grade separation analyses, environmental assessments, pedestrian routing analysis, and public involvement.



Special Qualifications

- Has 20 years of experience in traffic engineering and transportation planning experience, 18 of which have been in South Florida
- Expertise in traffic operations, transportation planning, and access management

Professional Credentials

- Bachelor of Science, Civil Engineering, Ohio Northern University
- Professional Engineer in Florida, #62541, February 14, 2005
- Institute of Transportation Engineers

John McWilliams, P.E.

Relevant Experience Continued

I-95 Express Lanes Lessons Learned Report, FDOT District Six — Project manager responsible for FHWA best practices report on the implementation of the 95 Express Managed Lanes project in Miami-Dade County. Work included 95 Express project team interviews, information compilation, and final reporting.

I-95/Ives Dairy Road Interchange Study, FDOT District Six — Project engineer for an interchange operational study. Work included the traffic forecasting, field observations, traffic model calibration, development of short- and long-term improvements, and capacity analysis.

US 27/SR 25 Okeechobee Road Action Plan, FDOT District Six — Served as deputy project manager for the Kimley-Horn team retained by FDOT District Six to evaluate alternatives and prepare an action plan for the Okeechobee Road corridor. Provided travel demand modeling services, GIS mapping, and evaluation of alternatives. Worked with multi-disciplinary team to develop short-, medium-, and long-term strategies for Okeechobee Road. FSUTMS was used as a tool to develop traffic growth rates for project traffic forecasting. GIS was used as a database during the data collection process and to create maps for the action plan report and presentation.

SR 710 Project Traffic Development and Operational Analyses, Palm Beach County, FDOT District Four — Project analyst for the traffic design and traffic operations memorandum. Work included traffic forecasting (AADT and TMC) growth rate analysis, 18-kip ESAL reports, and intersection/arterial capacity analyses.

US 1 Corridor Study, FDOT District Six, Marathon, FL — Project analyst for a comprehensive corridor study of US 1 within the City of Marathon, Florida. Work included access management, capacity analyses, pedestrian/bike facilities evaluation, right-of-way evaluation, crash compilation and analysis, and development of recommendations.

I-95 Express Lanes Phase 1A Monitoring Study, FDOT District Six — Project manager responsible for evaluation of Phase 1A of the 95 Express Managed Lanes project in Miami-Dade County. Efforts included analysis of travel time, travel speeds, level-of-service, peak period traffic distribution, vehicle classification, vehicle occupancy, and person throughput.

Districtwide Level of Service (LOS) Analysis, FDOT District Six — Project analyst for the districtwide LOS report. Work included the analysis (generalized and detailed) of 350 roadway segments using various FDOT planning software programs. Project included integration of results into GIS database.

Districtwide Safety Contract, FDOT District Four — As analyst, conducted qualitative assessments, safety and operational analyses, and corridor studies. Work included data collection, field assessments, capacity analyses, and the development of safety improvements.

Districtwide Safety Contract, FDOT District Six — Project analyst conducting qualitative assessments, signal warrant analyses, safety and operational studies, and pedestrian studies. Work included data collection, field assessments, capacity analyses, and corridor modeling.

SR 5/US 1/South Dixie Highway M-Path Crossings Evaluation Study – Phase 1, FDOT District Six — Project manager for a corridor-wide study examining more than 30 intersection M-Path crossing locations in the Miami-Dade County in order to identify short-term and long-term improvements to address bicycle/pedestrian safety along the share-used path. Tasks included field inventories, sight distance analyses, turning radii analyses, crash analyses, field visits, and the development of recommendations. Recommendations included improvement signage/pavement markings, curb ramp reconstruction, signalization improvements, and other geometric improvements.

US 1/SR 5 Bicycle Master Plan, FDOT District Six — Project manager for the development of a bicycle facility master plan for a 17-mile portion of SR 5/US 1 from the Broward County line to Interstate 95. Our work included design standards review and development; review of design plans, right-of-way plans, and as-built drawings; segmentation, implementation, and approach methodology development; field reviews; conceptual plan development; alternative routes review; and cost estimating. The project also included public outreach with affected municipalities and Miami-Dade MPO's Bicycle and Pedestrian Advisory Committee.

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

Lisa Juan, EIT

Complete Streets

Relevant Experience

South US 1 Bus Rapid Transit (BRT) Improvements Study, Broward County, FL

Project analyst. This project focused on Bus Rapid Transit improvements for South US 1 between Downtown Fort Lauderdale and Aventura Mall (Miami-Dade County). The study developed a package of short and medium term implementation projects and identified long-term investments to improve transit service, mobility, livability, and support economic development along the corridor. Multijurisdictional coordination included an advisory committee consisting of five municipalities, two counties, two state agencies, an international airport, and eight additional stakeholder agencies. The solutions included transit infrastructure, traffic signalization, intelligent transportation systems (ITS), and complete streets to support transit oriented development, multimodal facilities, and improved surface transportation.

SR A1A Streetscape Improvements, Fort Lauderdale, FL — Project analyst.

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 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 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.

Palm Beach MPO US-1 Multimodal Corridor Study, West Palm Beach, FL

Project analyst. Duties included creating signage and outreach materials for open streets events, compiling and displaying the existing multimodal corridor, participating in key stakeholder interviews, workshops, and three-day in-house studio charrette, and analyzing options and alternatives for the corridor.

Palm Beach TPA Complete Streets Design Guidelines, West Palm Beach, FL

Project analyst for development of Complete Streets Guidelines to encourage the development of walkable, bikeable, and transit-friendly communities through an integrated approach to planning the County's transportation networks. The County's goal is to incorporate Complete Streets elements into all phases of roadway planning, design, construction, and maintenance. Deliverables include a Complete Streets Design Guidelines document that directs engineers and planners regarding how to plan and design Complete Streets elements into all types of transportation and land development projects. Complete Streets Design Guidelines also provide guidance regarding construction and maintenance practices that encourage walking, biking, public transit use, and promote safety and accommodation for all users.

Medley Multimodal Mobility Study, Medley, FL — Project analyst for the Kimley-

Horn team that prepared the Medley Multimodal Mobility Study, which identified a set of interconnected bicycle and pedestrian facility improvements, as well as developed a service plan for a four-route Medley local transit circulator service for residents and workers within the Town's extensive commercial and industrial employment areas. The Study also includes recommendations to provide improved connections to Tobie Wilson Recreational Center and other key destinations within and adjacent to Medley including Town Hall, Palmetto Metrorail Station, Okeechobee Metrorail Station, parks, and shopping centers.



Special Qualifications

- Has more than four years of experience with transportation projects, including traffic engineering studies and transportation planning studies
- Experience includes multimodal master planning, safety studies, travel demand analysis, bicycle corridor studies, bicycle network plans, and geographic information systems mapping
- Experience with the Southeast Regional Planning Model (SERPM) and Treasure Coast Regional Planning Model (TCRPM) based on the Florida Standard Urban Transportation Model Structure (FSUTMS)
- Software experience includes GIS and Cube 6

Professional Credentials

- Master of Science, Transportation Engineering, University of Massachusetts Lowell
- Bachelor of Science, Civil Engineering, University of Massachusetts Lowell
- Engineer-in-Training in Massachusetts, #24542, October 21, 2014
- Women in Transportation Seminar (WTS) South Florida Chapter – Treasurer

Lisa Juan, EIT

Relevant Experience Continued

Prospect Road Lane Elimination Traffic Analysis, Oakland Park, FL — Project analyst for an ongoing lane elimination analysis for Prospect Road from Powerline Road to Dixie Highway for the City of Oakland Park. The existing six lane divided roadway is proposed to be converted to a four-lane facility while repurposing the existing outside lanes for multimodal accommodations. Tasks included traffic data collection, future traffic growth analysis, capacity analyses, traffic diversion analysis, and report documentation.

Districtwide Modal Production Support, FDOT District Four — Project analyst for a contract reviewing design plans, reviewing Shared-Use Nonmotorized (SUN) Trail application submitted by applicants, preparing multimodal scoping forms, preparing the Pedestrian and Bicycle Master Plan, and creating GIS maps, and creating one-pagers related to the different sections of the Office of Modal Development (OMD).

City of Boynton Beach Greenways, Blueways, and Trails Plan, Boynton Beach, FL — Project analyst. Prepared initial network plan/project maps utilizing GIS. Prepared and attended public meetings for the Parks and Recreation Board and Blueways, Greenways, Pedestrian Advisory Committee.

Indian River County 2040 Long Range Transportation Plan Update — Project analyst. Kimley-Horn developed the Indian River County MPO 2040 LRTP update. Duties included conducting travel demand modeling using Cube 6, conducting transportation data analyses, preparing project maps utilizing GIS, and assisting with public involvement activities including analyzing online survey results and interacting with meeting participants during public meetings.

Martin MPO Bicycle, Pedestrian & Trails Master Plan, Martin County, FL — Project analyst. Duties included reviewing literature review and summarizing findings from documents, developing a project base map utilizing geographic information systems (GIS), collecting and mapping pertinent demographic data, utilizing Walk Score which is an online tool that provides numerical scores for specific locations or addresses based on the walkability of the neighborhood, identifying constraints, gaps, and problems in the current walking and bicycling network structure, recommending a list of short- and long-range planning and transportation improvement projects, developing and identifying non-motorized system and project evaluation measures, and preparing an implementation strategies that identifies specific facility projects, programmatic elements, and proposed plans and policies updates.

Miami Shores Village Multimodal Mobility Plan, Miami Shores, FL — Project analyst. The primary focus of this Mobility Plan was to improve the bicycling and walking mobility and safety within Miami Shores Village. The Mobility Plan identified a comprehensive network of improved multimodal mobility for bicyclists and pedestrians by linking key Village destinations together, including downtown Miami Shores, Barry University, Bayshore Park, Miami Shores Recreation Complex, charter school, Miami Country Day, and Miami Shores Elementary School. This plan also included traffic analysis for proposed lane elimination.

Moving Martin Forward, Martin MPO 2040 Long Range Transportation Plan (LRTP), Martin County, FL — Project analyst. Duties included conducting travel demand modeling using Cube 6, conducting transportation data analyses, preparing project maps utilizing GIS, and assisting with public involvement activities including analyzing online survey results and interacting with meeting participants during public meetings. Our team's services included developing and executing a public involvement plan (PIP), well-attended visioning workshops, and technical analyses including travel demand modeling, Needs Plan development, financial resources analysis, cost estimates for needs plan projects, and developing the draft Cost Feasible Plan (CFP). The Martin MPO 2040 LRTP has been characterized by innovative public engagement techniques. Working in collaboration with MPO staff, the public meetings have consisted of fun and engaging techniques for gathering input including automated polling response games, Martin Mobility Bucks for residents to prioritize improvements, dot map games, and an interactive geographic information systems (GIS) map for residents to be able to see their comments mapped immediately. The draft cost feasible plan proposed to move project funding in a multimodal direction and includes flex funding for roadway maintenance.

South Miami Intermodal Transportation Plan (ITP), South Miami, FL — Project analyst. Kimley-Horn prepared the South Miami Intermodal Transportation Plan (SMITP). The City of South Miami desired to enhance the existing transportation system and mobility choices available to residents, workers, and visitors to the City. An integral component of this effort was to establish and implement the SMITP, which identified an interconnected network of mobility and safety improvements based on smart growth and complete streets principles. The goal of the SMITP was to identify and prioritize pedestrian and bicycle projects throughout the City, as well as to enhance access to public transportation.

Dorian Johnson, P.E.

Construction Administration

Relevant Experience

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

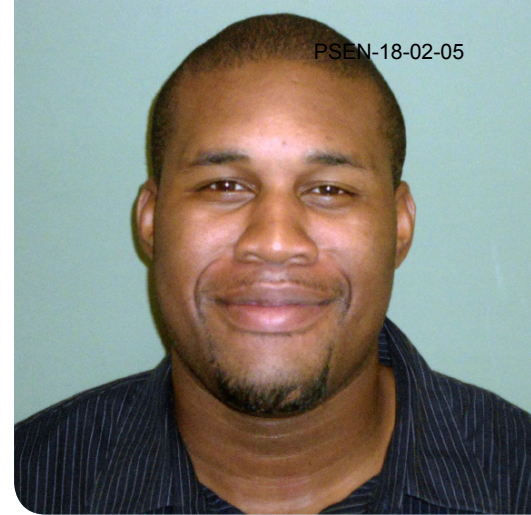
The Flamingo South Tower Garage/Lanai (aka Flamingo Parking Garage), Miami Beach, FL — Project engineer. Kimley-Horn served as prime designer for the design-build demolition and replacement of an existing parking garage/lanai deck for the residents of the adjacent condominium tower facing Biscayne Bay.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

The Villages Multifamily Residential Development, Miami, FL — Project engineer. Kimley-Horn is providing professional engineering services for this 576-unit multifamily residential development. The Villages Apartments development is proposed to include six residential buildings ranging from seven to twelve stories, a 3,000-square-foot club house, a pool and playground, and a 390-space parking garage. Specific responsibilities include site investigation, platting assistance, civil engineering design development, offsite water main extension documents, and civil engineering onsite contract documents.

Town of Miami Lakes; Town Engineering Services, Miami Lakes, FL — Provided construction management on the Kimley-Horn team that is currently serving as Town Engineer for the Town of Miami Lakes. Our firm has been contracted to provide all aspects of ongoing traffic, transportation, and civil engineering services associated with the Town, including providing staff to fill the positions of public works director and stormwater utility director. Provides construction observation and inspection for various water/wastewater improvement projects as needed. Also involved with the following project:

NW 154th Street Drainage Improvements. Kimley-Horn provided roadway restoration/resurfacing and drainage improvements on a major roadway through the Town, including a new drainage outfall, median improvements, irrigation system, and project permitting. Our team also provided construction phase services (construction observation, inspections, etc.) to expedite the project and confirm project was built in accordance with the design plans.

Palmetto Bay General Consulting Services (includes Stormwater Master Plan, SW 88th St, SW 89th St, SW 146th and 148th St, SW 164th St Improvements), Palmetto Bay, FL — Providing construction management services. Kimley-Horn is working with the Village of Palmetto Bay as a general consultant to provide all types of engineering such as planning, general civil engineering, and transportation.



Special Qualifications

- Has six years of experience providing resident project representative services, engineering field inspections, and the review of engineering site plans/shop drawings/related construction documents
- Software experience includes AutoCAD, MathCAD, Matlab, Water Treatment Design, StormCAD, Flow Master, Pond Pack, MODFLOW, HEC-RAS, GeoStudio, Slope/W, Carrier HAP, and McQuay

Professional Credentials

- Bachelor, Civil Engineering, University of Florida
- Professional Engineer in Florida, #82579, February 9, 2017
- FDEP Stormwater Engineering Inspection

Dorian Johnson, P.E.

Relevant Experience Continued

Caribbean Boulevard Construction Engineering Services (CEI), Cutler Bay, FL — As resident project representative (RPR), observed and inspected the progress and quality of the executed work of the contractor while completing daily field visit reports. Ensured state, county, and city engineering standards were followed throughout the life of the project. Also attended weekly progress meetings.

154th Street Project CEI, Miami Lakes, FL — Monitored the de-mucking process for the installation of drainage and the building of a new roadway. Performed various inspections on-site, from the placing of perforated drainage pipes to the laying of asphalt and pavement markings.

South US 1 Bus Rapid Transit (BRT) Improvements Study, Broward County, FL — Project analyst for Bus Rapid Transit improvements for South US 1 between Downtown Fort Lauderdale and Aventura Mall (Miami-Dade County). The study developed a package of short and medium term implementation projects and identified long-term investments to improve transit service, mobility, livability, and support economic development along the corridor. Multijurisdictional coordination included an advisory committee consisting of five municipalities, two counties, two state agencies, an international airport, and eight additional stakeholder agencies. The solutions included transit infrastructure, traffic signalization, intelligent transportation systems (ITS), and complete streets to support transit-oriented development, multimodal facilities, and improved surface transportation.

Bid Pack 4 Water Main and Force Main Replacement, Oakland Park, FL — Project analyst. Provided construction phase services for the replacement of more than 27,000 linear feet of water main and forcemain in the City of Oakland Park. The project consisted of replacing existing water mains that were identified as being substandard with respect to system pressures during fire flow. Services and meter boxes were replaced to the property line on new water line installations and fire hydrants were installed in residential and commercial areas. As part of this project, select portions of force main were upsized within the City and included the aerial crossing of the C-13 Canal closest to NW 31st Avenue. A critical function of this project was developing a route through the neighboring City of Lauderdale Lakes to provide the most efficient path for looping of the water main. In addition, the work was planned to minimize disruptions to the City during construction.

Crossroads Commerce Park, Hillsborough County, FL — Project engineer. Kimley-Horn provided professional engineering services this site consisting of 71.5 acres. This multiphase project included improvements to Williams Road including utilities, Building 1 (+/- 120,120 square feet), Building 2 (+/- 236,800 square feet), master stormwater ponds, and mass grading of the area around Building 3. Additional services include on-site construction documents, landscape and irrigation, offsite roadway plans, permitting, and construction phase services.

Fountain Square, Miami, FL — Project analyst. Kimley-Horn provided civil engineering services to Regency Centers for this mixed-use, retail, and multifamily development in Miami. The 30-acre site consists of two retail strips anchored by Target and Publix respectively; several retail pads with a strong tenant mix including Panera Bread, Chipotle, and Bank of America; and an approximately 4-acre multifamily parcel.

ITS and Smart Parking System Program Management, Miami Beach, FL — Project engineer. Kimley-Horn is developing a project system engineering management plan, concept of operations, project plan, and procurement documents for a Smart Cities initiative combining ITS and smart parking. The project will deploy cameras, arterial dynamic message signs, vehicle detection, parking occupancy information to communicate real time traffic and parking conditions throughout the City. Also through this contract, Kimley-Horn is providing hot spot signal timing support for the City of Miami Beach in coordination with Miami-Dade County.

WCI Waterside (formerly Bishop Pit Residential Boating Community), Unincorporated Broward County, FL — Project analyst for this 413-acre on-going residential development in unincorporated Broward County, adjacent to the City of Parkland. The scope of the work has included site plan coordination with planner, reuse and water main extension design and permits, sewer main extension design and permits, lift station design, and cut-fill balance for the optimization of lake design.

Luis Guerra

Construction Administration

Relevant Experience

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.

OB Johnson Park, Hallandale Beach, FL — Inspector 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.

Caribbean Boulevard Roadway Improvement from C-1N Canal Bridge to Coral Sea Road, Cutler Bay, FL — Consultant engineering inspector for Kimley-Horn performing daily inspection within project limits to ensure that the work was satisfactory to the project plans and specifications. Project involved roadway improvements that consisted of water and sewer replacements, roadways, pedestrian walkways, utility replacements, and green area improvements. All construction was subject to DOT specifications.

NW 21 Street/SR 7 Roadway Improvements, Lauderdale Lakes, FL — Roadway improvement project that consisted of water and sewer replacements, roadways, pedestrian walkways, utility replacements and green area improvements. Worked alongside contractor supervising that all work performed was substantial and met project plans along with specification requirements. Work involved earthwork, concrete asphalt, and stormwater.

North Bay Village Sanitary Rehabilitation Project, North Bay, FL — Consultant engineering inspector for Kimley-Horn performing daily inspection within project limits to ensure that the work was satisfactory to the project plans and specifications. Responsible for familiarization of plans and monitoring and documenting all work performed by contractor and sub parties within the project limits.



Special Qualifications

- Has 10 years of experience in construction materials including lab and field testing and inspection
- Experience with earthwork, concrete, aggregates, asphalt, and stormwater



GEOTECHNICAL MATERIAL TESTING INSPECTION SERVICES

RAJ KRISHNASAMY, P.E.

PRESIDENT, PRINCIPAL ENGINEER
32 Years of Experience

PROFESSIONAL QUALIFICATIONS

EDUCATION

- MS in Geotechnical Engineering, University of Memphis, 1995
- BS in Civil Engineering, Christian Brothers University, 1987
- Diploma in Electronic Engineering, Malaysian Air Force Institute, 1984

PROFESSIONAL ORGANIZATION AND REGISTRATION

- Professional Engineer: Florida, 53567
- Water Well Contractor, Florida, 11346
- Certified OSHA Supervisor
- Certified Environmental Consultant

PROFESSIONAL EXPERIENCE

Mr. Raj Krishnasamy, P.E., President and Principal Engineer of TSF, is a Florida State registered Geotechnical Engineer with over 32 years of experience. Mr. Krishnasamy oversees the geotechnical engineering, construction materials testing, and inspection services operations. His experience consists of successfully completing over 5,000 public and private projects. He serves as Project Manager for continuing contracts with over 20 Florida public agencies. He has a history of repeatedly retaining those contracts through successful, cost-effective and prompt execution of each task order. Mr. Krishnasamy's daily involvement with the in-house and field operations of the construction and geotechnical services departments provides him the "hands-on" experience and knowledge of current construction codes and construction practices throughout the State of Florida. Mr. Krishnasamy and his highly experienced team focus on providing the client with a consistently accurate, cost-effective quality product that is delivered on time and within budget.

MIAMI-DADE COUNTY PROJECT EXPERIENCE

- SR-997 (Krome Avenue) from SR-94/Kendall Drive to SR-90/SW 8 Street
- Homestead Air Reserve Park Sanitary Sewer Improvements
- Design-Build Rehabilitation of West Bridge and Bear Cut Bridge on Rickenbacker Causeway
- Student Academic Success Center - Florida International University
- Rex Art Residences (9-Story Structure with Basement Level Parking)
- I-95 Express Lanes in Broward and Miami-Dade Counties (Design-Build) from the Golden Glades
- Design Stormwater Pond Repairs - USCG Air Station
- I-75 Express Lanes - Segment A/B from NW 170 Street to South of Miramar Parkway
- HEFT AET Phase 4
- SFWMD Stilling Well Platforms and Control Building, Proposed S-178 Automation and Gate Replacement
- Museum Park Baywalk-Phase 3
- Homestead Air Reserve Park Sanitary Sewer Improvements
- West Park - Miscellaneous Improvements



4341 S.W. 62nd Avenue, Davie, Florida 33314
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

James D. Stoner, P.S.M.
President

Professional Profile

Mr. Stoner is a second generation Land Surveyor, with over forty years of surveying experience in South Florida. He began his surveying career at Williams, Hatfield, & Stoner, Inc. working from the bottom as a Rodman, all the way up to Vice President of the Surveying Department.

Mr. Stoner founded Stoner & Associates, Inc. in 1988, based on the philosophy that attention to detail and quality work would create a successful firm. He manages all aspects of the firm's growth and development.

Mr. Stoner has supervised both small and large scale surveying projects. His firm has successfully completed numerous roadway and other various projects, while working directly with the clients and consultants.



Education

Associates of Science in Land Surveying
Palm Beach Community College in 1979

Professional Registrations

State of Florida Professional Surveyor and Mapper
License Number LS4039

Professional Affiliations

Florida Surveying and Mapping Society
Florida Surveying and Mapping Society – Broward Chapter
American Congress on Surveying and Mapping
Leadership Broward



Tab 3.

Certified Minority Business Enterprise



Design & Post Services: Poinciana Drive

3. Certified Minority Business Enterprise

Kimley-Horn has a company policy of meeting or exceeding our clients' stated minority business participation goals. Kimley-Horn is not a certified Minority/Women Business Enterprise (M/WBE) or Disadvantaged Business Enterprise (DBE) firm, but through corporate policies and philosophy, the firm actively seeks to encourage and promote the use of M/WBE and DBE firms. For this proposal, we are proposing using **Tierra South Florida, Inc.** (MBE), a certified minority business enterprise.

Our aggressive M/WBE and DBE utilization policy ensures that Kimley-Horn is furthering the positive economic development momentum that the state of Florida advocates through the use of M/WBE/DBE businesses by its contractors. Our commitment in retaining M/WBE firms to assist on projects is demonstrated by the amounts we have paid these firms over the past 10 years (see following table).

Year	Total Paid	Number of M/WBE and DBE Firms used
2018	\$23.5 million	165
2017	\$22.3 million	176
2016	\$16.4 million	186
2015	\$15.6 million	198
2014	\$12.2 million	190
2013	\$10.9 million	191
2012	\$11.2 million	204
2011	\$9.0 million	214
2010	\$11.2 million	258
2009	\$13.6 million	311



State of Florida

Minority Business Certification

Tierra South Florida, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

11/01/2017 to 11/01/2019

Erin Rock, Secretary
Florida Department of Management Services



Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd



Tab 4.

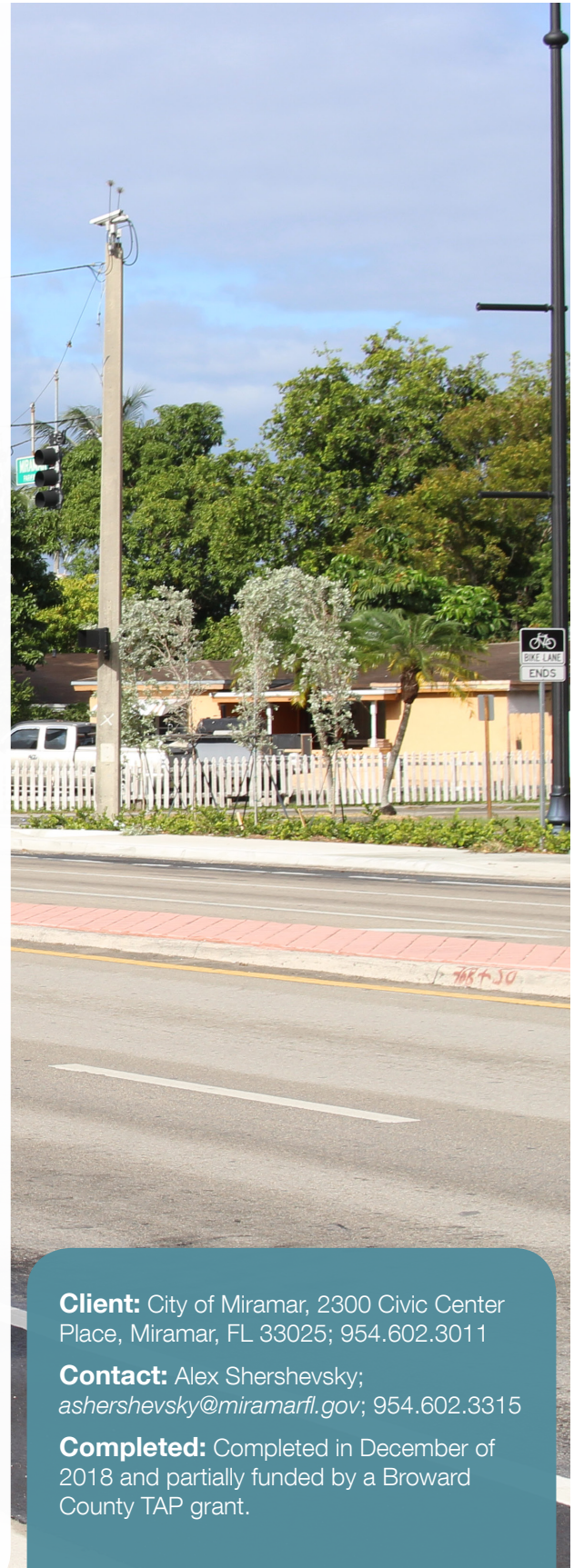
Past Performance

4. Past Performance

MIRAMAR PARKWAY HISTORIC DOWNTOWN REVITALIZATION STREETSCAPE

CITY OF MIRAMAR, FL

Kimley-Horn was selected by the City of Miramar to complete the 60% construction plans previously prepared by another Consultant for this exciting Streetscape project that was looking to revitalize the downtown business district. The project is on Miramar Parkway from SW 68th Avenue to SW 69th Way and included road widening to accommodate on street bicycle lanes, landscape and irrigation improvements, street and pedestrian lighting, drainage improvements on SW 69th Way, address ADA at the intersections, hardscape improvements (stamped asphalt crosswalks and stamped concrete medians), and a mid-block crossing. Kimley-Horn coordinated with Broward County Traffic for the review and approval of the mid-block crossing as this area has high pedestrian activity due to the schools in the area. The segment of Miramar Parkway has a high volume of traffic and phasing of the project during construction was vital to ensure that the construction did not overly impact the residents and businesses.



Client: City of Miramar, 2300 Civic Center Place, Miramar, FL 33025; 954.602.3011

Contact: Alex Shershevsky;
ashershevsky@miramarfl.gov; 954.602.3315

Completed: Completed in December of 2018 and partially funded by a Broward County TAP grant.

CLEMATIS STREETSCAPE IMPROVEMENTS

WEST PALM BEACH, FL

Kimley-Horn is providing urban design, landscape architecture, and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. After several public input meetings with Clematis Street merchants, stakeholders, residents, and visitors, the City Commission voted to implement recommendations from the design team to implement a transformative change to this destination street in downtown West Palm Beach.

The design features a paver-covered, curbsless street with narrowed travel lanes, premium paver sidewalks, permeable paver parking spaces, custom-designed seating areas, and a landscape featuring large Live Oaks to provide significant shade for pedestrians. The design features the City's first implementation of suspended pavement systems. In combination with Structural Soil, this provides a significant root zone space for the Live Oaks to thrive.



Client: City of West Palm Beach, 401 Clematis Street, West Palm Beach, FL 33401; 561.822.2222

Contact: Khanh Uyen Dang, KUDang@wpb.org, 561.494.1087

Completed: (completion of phase II construction summer 2019)

Client: City of Hollywood CRA

Contact: Susan Goldberg, Deputy Director,
sgoldberg@hollywoodfl.org, 954.924.2980

Completed: Design 2017; Phase 1 Under Construction



SR A1A COMPLETE STREET DESIGN

CITY OF HOLLYWOOD, FL

Kimley-Horn assisted the City of Hollywood to conduct a final design to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with FDOT for the necessary design approvals.

The roadway plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signage. The team also provided decorative streetlight design, traffic signal analyses, driveway access reviews, emergency vehicle access reviews, meetings, and coordination, and permitting services. This streetscape project features a reconfiguration of medians to widen sidewalks and improve crosswalks and pedestrian lighting in the corridor. The WPB-LA Group is teamed with WPB-Design (Marwan Mufleh) to provide hardscape design, landscape design, irrigation design services, and conceptual renderings. We assisted the client in selecting a light fixture and worked with them to develop a custom paver and paver pattern for the sidewalks.



PALMETTO PARK ROAD STREETSCAPE IMPROVEMENTS AND DOWNTOWN BOCA RATON PEDESTRIAN PROMENADE

BOCA RATON, FL

For this retail district through the downtown area, Kimley-Horn provided full roadway, streetscape, and landscape architectural design to create a pedestrian friendly downtown with emphasis on a promenade connecting Plaza Real with Mizner Park. Intersections were redesigned to reduce pavement crossing width, minimize turn lanes, emphasize pedestrian crossings, and modify signal timing to improve the pedestrian and downtown environment. Special emphasis was placed on providing an inviting pedestrian experience along retail businesses and providing on-street parking. Improvements include brick paved intersections, introduction of curbless streets along NE 1st Avenue, and reconstruction of Boca Raton Road with an inverted crown roadway incorporating wider sidewalks and on-street parking. Curbless streets were introduced to enable their use for special events when streets can be closed for fair events. Landscape and hardscape improvements include planter islands and wide brick paver sidewalks on both sides of the roadways.

Client: City of Boca Raton, 201 W. Palmetto Park Rd., Boca Raton, 33432; 561.393.7700

Contact: Maurice Morel, Civil Engineer
mmorel@myboa.us, 561.416.3425

Completed: 2012



**2015 Award of Merit, International
Downtown Association**

**2012 Award of Merit, Florida Chapter of the
American Society of Landscape Architects**

**2011 Engineering Excellence Award,
Florida Institute of Consulting Engineers**

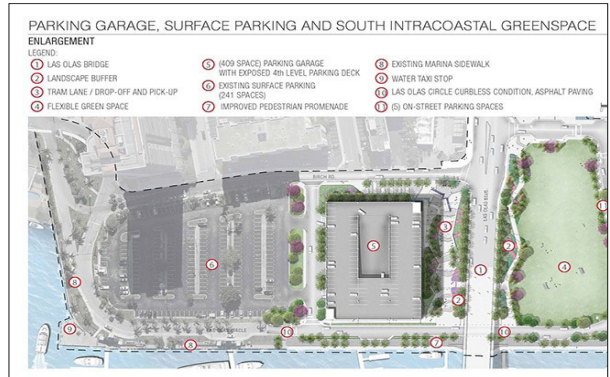
LAS OLAS BOULEVARD CORRIDOR IMPROVEMENTS FORT LAUDERDALE, FL

Kimley-Horn is providing preliminary design, evaluation, and due diligence services for the multi-use project for the City of Fort Lauderdale Community Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage, active park and plaza areas, and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. The Oceanside Plaza is being designed so that it can be used for festivals, concerts, and play areas for children and includes a porte cochere drop off. Kimley-Horn is providing the initial phase of site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services. Kimley-Horn serves as lead engineering consultant for site civil design, roadway design, permitting.

Client: City of Fort Lauderdale CRA, (City)
914 NW 6th ST, Fort Lauderdale, FL 33301

Contact: Tom Green, Project Manager,
TGreen@fortlauderdale.gov, 954.828.4008

Completed: (completion of phase II
construction summer 2019)



Client: Town of Davie CRA, 4700 Davie Road, Suite D, Davie, FL 33314

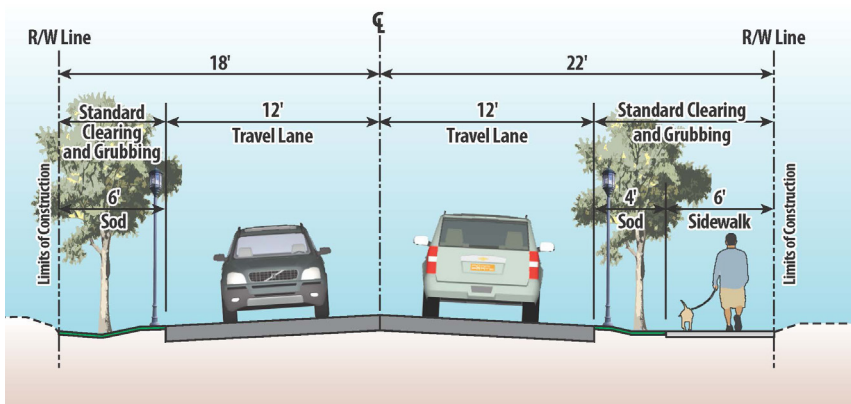
Contact: Jonathan Vogt, Town of Davie CRA, 954.797.1137

Completed: December 2018

SW 67TH AVENUE DESIGN

TOWN OF DAVIE, FL

The Town of Davie's SW 67th Avenue project serves an extension of the Town's existing roadway from NW 41st Court south to Orange Drive. The expansion provides approximately 1,400 linear feet of a new 2-lane roadway that includes roadway swales and exfiltration trench for drainage. Along with the roadway and drainage improvements, the project includes an 8-foot-wide sidewalk addition to improve pedestrian and equestrian traffic through the Town. The project provides additional access to the area schools and will help alleviate the traffic on Davie Road extension. Kimley-Horn is now providing construction phase services.





Tab 5.

Willingness to Meet Time and Budget Requirements



5. Willingness to Meet Time and Budget Requirements

Kimley-Horn and Associates, Inc. is willing to meet the time and budget requirements as set forth in the CCNA # PSEN-18-02-05 RFQ and as described below:

Budget Control

Kimley-Horn will work with the City to ensure that the professional services for this project do not exceed the approximate \$89,000 budget. Meeting your expectation of project cost is not just a goal to us—it is a mandate. We have a proven track record of performing within budget; a key to our success in this area is managing the project elements at the right time. We routinely use reports from our internal Management Information System (MIS) to stay conscious of project budgets. These reports, which track all costs, are distributed to our project managers twice a month for their continual input. This information enables us to make mid-course corrections if the needs of the project change.

The largest area where we maximize efficiency and control cost is in our designs. Kimley-Horn's deliverables directly affect construction cost, which is why it's not only essential to provide error-free, constructible designs, but also to ensure that appropriate measures of value engineering have been applied. We work hard to prepare thorough plans and specifications that accurately and completely define the project requirements, and each project deliverable goes through a rigorous quality assurance/quality control review prior to finalization. We break down our project designs into discrete pay items with specific descriptions of what is included to avoid misunderstandings by the contractor during bidding and construction. We carefully monitor the contractors' progress during construction and assist them in interpreting the contract requirements whenever a question arises. We also review proposals from the contractor to modify elements of construction that may offer cost or schedule benefits to the client. This attention to detail throughout the project ensures that our clients receive the most value from our services.

Schedule Control

Schedule control is inherently tied to people. Their experiences, vision, management styles, and philosophies all affect significant components of a project approach and its execution. Our approach will include identifying realistic goals, developing a focused action plan that addresses only those items necessary to accomplish the goals, anticipating the implications of decisions made in early phases to future phases, and preparing a mechanism for addressing unexpected challenges. This approach builds the framework for completing successful projects both on schedule and within budget. Kimley-Horn will work with the City to ensure that the 5 months' timeline for design services is met. It is assumed that the permitting, bidding, and post design services are not included in the 5 months' timeline.

Successful project management and delivery requires close coordination between our project manager Stefano Viola, P.E. and City staff. Stefano will serve as the point of contact for this contract, proactively discuss upcoming needs, and identify the appropriate personnel for each assignment. He will be accountable for the schedule, cost, and quality of the work, and will coordinate the efforts of the entire Kimley-Horn team to ensure that our deliverables are consistent with your requirements. Stefano will develop a detailed work plan that includes specific task items, technical methods, responsibilities, time allocation, and schedules. This work plan process ensures that the correct team members are selected for the work and minimizes problems through early detection, experience, and expertise.

In addition to assembling the right team for a specific task assignment, Stefano will communicate regularly with the entire team to be aware of the project status, adjust any work plan issues if they occur, and keep the client informed at all times. We will hold regularly scheduled progress meetings with City staff where project progress, products, issues, schedules, upcoming activities, and obstacles that must be addressed are discussed.



Design & Post Services: Poinciana Drive

Cast-Aheads

One of the key ways Kimley-Horn consistently meets client deadlines is the use of a proactive management system known as “cast-aheads” to detail every project’s personnel needs, staff availability, and ensure that the project team is committed to completing the various assignments. Internal production meetings are held weekly to enable staff, task managers, and project managers to stay up-to-date regarding current and projected workloads. Weekly regional production meetings are also held to assess the availability and distribution of resources among Kimley-Horn's Florida offices, if outside help is needed. We know the importance of meeting our clients’ deadlines and we take the necessary steps that enable us to confidently commit to meeting yours. With our depth of staff and ability to activate resources from other offices, we can ensure your projects are completed on-time.

The cast-ahead system is used by our project managers to define specific staffing needs for the month and for the next six months. The objective is to balance the workload in a manner that maximizes the utilization of production staff, while ensuring that all project requirements and client deadlines are met. Based on a review of our cast-aheads, we can assure you that the staff members selected for this team are indeed available to serve on the work assignment and in an excellent position to handle the workload of any resulting assignments. This ensures that we have more than enough staff and technical resources to complete every assigned project on-time and to your satisfaction.



Tab 6.

Location



Design & Post Services: Poinciana Drive

6. Location

Our Fort Lauderdale office, consisting of over 60 employees, will serve as the primary office responsible for the work associated with this project.

Kimley-Horn Fort Lauderdale Office

600 North Pine Island Road

Suite 450

Plantation, FL 33324

954.535.5100



Tab 7.

Recent, Current, and Projected Workloads of the Firms

Kimley»Horn

Expect More. Experience Better.



Design & Post Services: Poinciana Drive

7. Recent, Current, and Projected Workloads of the Firms

Responsive Project Manager and Key Team Members

As your project manager, Stefano Viola, P.E. is empowered to call upon any resources you may need and can assure you that expertise is only a phone call away. Kimley-Horn is a firm with many disciplines, but one expertise—making our clients successful. We look forward to delivering the same level of service to Pembroke Pines.

Name	Role	Years of Experience	Workload Availability
Stefano Viola, P.E.	Project Manager	13	50%
Marwan Mufleh, P.E.	Principal in Charge, Roadway Design	31	25%
Stewart Robertson, P.E.	QA/QC, Complete Streets	18	15%
Tiffany Stanton, P.E.	Project Engineer, Roadway Drainage	6	60%
Sean Buckovich, P.E.	Roadway Design	7	30%
John McWilliams, P.E.	Signing and Marking	20	25%
Lisa Juan, EIT	Complete Streets	4	10%
Dorian Johnson, P.E.	Construction Administration	6	25%
Luis Guerra	Construction Administration	10	25%

Experienced Subconsultants

To best serve you, we have supplemented our in-house capabilities with the resources of the following firms. We have previously teamed with these subconsultants, are confident regarding their high quality of work and professionalism, and are confident that our collaboration will continue to be successful for any project services required by the City.



Stoner & Associates, Inc. – Surveying

Stoner & Associates, Inc. was founded by James D. Stoner, P.S.M. in 1988. Mr. Stoner was formerly Vice President of Land Surveying at Williams Hatfield and Stoner, Inc. (WH&S), a prominent Engineering, Land Surveying, and Planning firm located in Fort Lauderdale, Florida. As the son of one of the founding partners of WH&S, it was Mr. Stoner's dream to one day start his own land surveying firm. That dream was realized in September of 1988 when he opened James D. Stoner & Associates (later renamed to Stoner & Associates). Today, Stoner & Associates has over fifteen employees, including four Licensed Professional Surveyor and Mappers, supervising four survey field crews.

Office Location: 3341 S.W. 62nd Avenue, Davie, FL 33314



Tierra South Florida, Inc. – Geotechnical Engineering

Tierra South Florida, Inc. (TSF) is a full-service consulting geotechnical and construction materials testing engineering firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. With a main office located in West Palm Beach, in addition to operational satellite offices in Fort Lauderdale and Hialeah Gardens, their organization is committed to providing quality, responsive service, establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. Their staff includes principal engineers with more than 20 years of experience in geotechnical, construction, laboratory and field materials testing and inspection services.

Provided services also include threshold/special inspection and roofing inspection services. TSF is a certified Minority Business Enterprise (MBE) with the State of Florida's Office of Supplier Diversity and certified Small/Community Disadvantage Business Enterprise (SBE/ CDBE) by Broward County.

Office Location: 2765 Vista Parkway, Suite 10, West Palm Beach, FL 33411



Tab 8.

Firm's Understanding and Approach to the Work

Kimley»Horn

Expect More. Experience Better.

Design & Post Services: Poinciana Drive

8. Firm's Understanding and Approach to the Work

Our multi-disciplinary approach plays an important role in the design process, providing aesthetic, functional, and scientific contributions to project design. Our approach to the Poinciana Drive Roadway Improvements from Pembroke Road to Cypress Drive project will focus on saving you and your staff time and making sure the project goals and deadlines are met.

Kimley-Horn will provide the full range of professional services from analysis, conceptual planning, and estimating, to the preparation of construction documents and follow through to post-design and project closeout. Our team will be available for public presentations to communicate and work with the public, offering collaborative opportunities to establish their priorities and solutions for their concerns and issues. We are confident that you will find the technical expertise and illustration, graphic, and presentation skills of the Kimley-Horn team to be invaluable during public meetings or City Commission presentations. We will be an extension of your staff throughout all roadway and drainage aspects of the design.

Our team includes **Stoner & Associates, Inc.** for survey services and **Tierra South Florida, Inc.** for geotechnical services. We have an excellent long-term working relationship with these firms and they have successfully partnered with us on several similar projects in the past.



Stefano Viola, P.E. will be the City's point of contact and project manager for this project. He understands that communication and project documentation are critical to successful projects. Communication with the City's project manager and the documentation of meetings and project decisions is critical from project inception to construction close-out. He has recently acted as Kimley-Horn's project manager for the Miramar Parkway Historic Downtown Revitalization Roadway Improvements project for the City of Miramar that included road widening to accommodate on-street bicycle lanes and is currently serving as the PM for the City of Pembroke Pines' general services contract.

To further demonstrate the continuity of our design team, **Tiffany Stanton, P.E.** will be the lead project engineer, **Stewart Robertson, P.E.** will offer quality control reviews and Complete Streets design input for the project, and **Stefano Viola, P.E.** will lead the team as project manager and as the project civil engineer. All three had the same roles on the Miramar Parkway Historic Downtown Revitalization Roadway Improvements project for the City of Miramar. As the PM assigned to the project, Stefano will ensure that the City receives extensive staffing to meet all project schedules. This group has previously worked together on projects and are all well-versed with City residents' expectations for plans and schedule demands.

Crafting the Design

Pembroke Pines' residents and visitors are sophisticated and demand public spaces that are safe, walkable, beautiful, livable, and welcoming. Considering that the proposed roadway improvements project address environmental issues as well as specific aesthetic and pedestrian connectivity concerns, this project will require creative design solutions that consider complex project requirements. The Kimley-Horn team has applicable experience with all aspects of the Poinciana Drive Roadway Improvements project scope of services. We have visited the project site to observe potential design issues along the corridor.

- Kimley-Horn anticipates that permitting will be required through the following entities:
 - City of Pembroke Pines – City Building Department and Staff Review
 - Broward County Highway and Construction Engineering Division – Roadway and Signing & Marking
 - FDOT – ROW
 - South Broward Drainage District – Drainage



Design & Post Services: Poinciana Drive

If selected for this project, Kimley-Horn will clarify the City's expectations for design, budget, and schedule in a pre-scope meeting. Upon successful negotiation of a scope and fee for the project and given our notice to proceed, Kimley-Horn will initiate survey services and review in further detail any previously prepared graphic materials and as-builts available and meet with the City's project manager to discuss all the information, identifying any additional items that need to be researched, studied, or acquired. We will perform a site visit to observe existing conditions, verify the survey and other data, and identify opportunities and constraints. Kimley-Horn will provide concepts that will be presented to City staff for input. Upon reaching a consensus on the final design program, we will refine the design and prepare the required permit submittals and construction documents.

Creative design is clearly an important part of each assignment, but sustainability of that design is just as important. Our participation in master plans and studies for some of the most high-profile streetscapes and roadways in the state gives us an edge in crafting creative design solutions that are bold, fresh, and engaging—yet implementable, affordable, sustainable, and maintainable over time. We believe that great design solutions for each “component part” will lead to a “composite whole” of outstanding experiences. Since our resulting designs will be maintained by City staff, we will also coordinate each design solution with the appropriate department to benefit from their (and our) lessons learned, experiences, and budgetary and staff limitations to craft a practical and maintainable solution.

After approval of the project drawings by the City and Regulatory Agencies, we will work with the City throughout the bid phase and construction phase. For the post-design phase of the project, Kimley-Horn's engineers and landscape architects offer highly experienced and highly qualified technical input and observation of construction projects. They are fully aware of issues that might necessitate field changes related to unforeseen conditions, can effectively respond to contractor requests for information, and will review contractor shop drawings in a timely manner to keep the construction on schedule and on budget.

Typical Project Schedule

While we generally understand that the process will likely entail two (2) steps or phases, we have prepared the following proposed project schedule for your review and consideration, which we look forward to further refining and discussing with City of Pembroke Pines staff.

PHASE ONE

Stage One: Reconnaissance/Understanding/Outreach

As we embark upon the Poinciana Drive Roadway Improvements project, starting with a sound foundation of the project understanding, goals, timeline expectations, budgets, and team members is vital. During this initial phase of work, the team will focus on the following tasks:



Project Mobilization and Kick-off Meeting

- We have thoroughly reviewed the anticipated improvements for the project and are ready to discuss and ensure that the intent is met
- Project kick-off meeting with City Staff for Development of project procedures, preliminary schedules, development of project database
- Follow-up staff meeting(s) with the City

Identification and Review of Existing Data & Collection of Additional Base Data

- Review of existing data and assessment of needed additional data
- Survey of Existing Conditions, certification of topography and geotechnical/soil studies
- Right-of-Way Boundaries
- Infrastructure review and further testing (if required) such as:
 - Existing utility locates and assessment of utilities
 - Reclaimed Water
 - Overhead Electric

Design & Post Services: Poinciana Drive

Preparation of Site Opportunities and Constraints

This is an important document that will be utilized as a means of presenting the goals and objectives of the project to the public and City Leadership, while understanding and presenting the physical, infrastructure, environmental, regulatory, and social/cultural opportunities and constraints of the site area. We will emphasize the important focus on context-sensitive design and placemaking and discuss the City's resiliency goals to ensure they are incorporated where possible.

Project Programming

- Development of overall strategic implementation alternatives and phasing in coordination with the City
- Development of work plans for design and implementation
- Development of protocols for communication, documentation and file management, schedule and budget controls, and quality control (QC) plan

Our consensus building program will focus on balancing the needs of all users including City staff and residents while also accounting for neighbors directly impacted by the development. Our program will consist of some or the following:

- Public meetings/Private citizen meetings
- Stakeholder meetings/Focus Group meetings
- Neighborhood meetings
- Social Media/Web Page/Email blasts/Printed materials
- Progress discussions/meetings with staff



Stage Two: Conceptual Planning/Consensus Building/Programming

Once Stage One has been completed, the design team will focus on the development and update of preliminary conceptual alternative programs and plans. These alternatives will be based on the understanding and outreach developed during the Stage One work. The alternatives will illustrate the programmatic elements of the project while also being accompanied by a 30% level Cost Estimate to be reviewed by the City.

Development of preliminary conceptual plans of the following improvements:

- Roadway
 - Typical cross section concepts
- Signage and Marking
 - Pedestrian, bicycle, and vehicular guide signage
 - Coordination with Broward County Traffic

Public Outreach/Consensus Building

- Public meeting
- Elected Officials
- Advisory Boards
- Staff
- Focus Group
- On-going staff meetings/preparation of progress reports
- City Staff and Kimley-Horn team review of public input





Design & Post Services: Poinciana Drive

Preliminary Agency and Permit Coordination

The design Team will conduct pre-application meetings with permitting agencies to ensure that preliminary concepts are permissible and will prepare plans for the review and approval of the following agencies:

- City Planning and Zoning Department
- City Building Department
- Broward County Traffic Engineering
- Broward County Transit
- City of Pembroke Pines Utilities
- South Broward Drainage District
- Public Works
- Florida Department of Transportation (FDOT)

The team will then refine Preliminary Concept Plans based on public input for confirmation by the City.

PHASE TWO

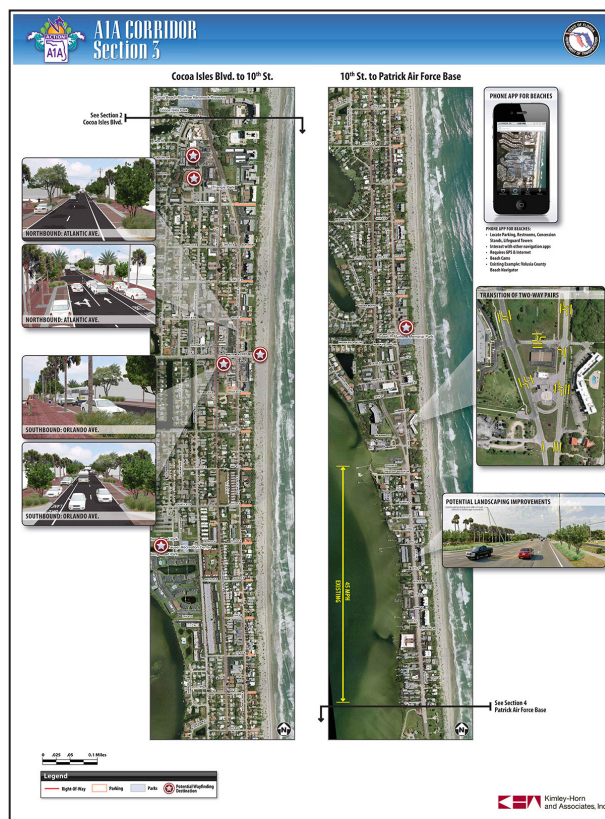
Stage Three: Detailed Design

Once the strategic implementation strategy of improvements has been refined and determined during Phase One, the design team will embark upon the detailed design of the proposed improvements. As an integral part of this process, the design team will continue to develop the cost estimate for the project.

Schematic Design

During this phase of work, the overall project will be developed in sufficient detail to fix and describe the project elements, as well as to further refine the character of the improvements. During this phase of work, we will provide a provide a 60% level project Cost Estimate alongside the Schematic Design package for the City's for review and approval. Refinements to the proposed development include:

- Roadway improvements
- Drainage improvement
- Signage and Pavement Markings
- New Landscape and Irrigation (if needed)
- New/Upgraded Sidewalks
- Review by City staff
- On-going Permit Coordination with the following agencies
 - City Planning and Zoning Department
 - City Building Department
 - Broward County Traffic Engineering
 - Broward County Transit
 - South Broward Drainage District
 - Public Works
 - Florida Department of Transportation (FDOT)
- Public Outreach/Updates
 - Public meeting
 - Stakeholder meetings
 - Web Page/Social Media/Email blasts/Printed materials
- Project Administration/Preparation of Project Progress Reports and Coordination with City staff





Design & Post Services: Poinciana Drive

Construction Documents

Once the schematic design work has been completed and preliminary budgets have been approved and reviewed, the design team will embark on the development of the construction documents necessary for the improvements. During this stage of work, the team will develop a 90% project Cost Estimate for the City's review. Depending on the outcome of the strategy for implementation, the design team may develop a series of packages for ease of permitting and implementation. This will be determined during the development of the Schematic Design drawings.

30% Construction Documents

This progress set of drawings will further refine and fix the details and constructability of the project:

- Roadway improvements
- Drainage improvement
- Signage and Pavement Markings
- New Landscape and Irrigation (if needed)
- New/Upgraded Sidewalks

Drawing packages will be prepared that will include the necessary disciplines, such as:

- Site Work
 - Survey of existing conditions, including topographic survey
 - Demolition Plans
 - Site Layout
 - Paving, Grading, and Drainage
 - Pavement Markings
 - Landscape Plans (if needed)
 - Existing Utility Designation
- Public Outreach/Updates
 - Public Meeting
 - Stakeholder Meetings



60% Construction Documents

During the development of this set, specific materials for construction will begin to be determined. This effort will be based on input from the City related to pricing, as well as value engineering input gained during the review of the 30% drawings. The drawings prepared during the 60% submission will be in more detail and include plans, sections, details, and preliminary technical specifications necessary for the internal coordination within the team.

90% Construction Documents

This set of construction drawings will be utilized for the final permitting of the project with the associated agencies at a federal, state, and local level. The drawings will incorporate the review comments received from the 60% drawings, and if available, any preliminary permit comments that have been collected during the design process.

Final Construction Documents

This set of construction drawings and technical specifications will be utilized by the contractor for implementation of the project. All permit comments will have been incorporated and the final set of construction drawings will be provided to the City.

- Public Outreach/Updates
 - Public Meeting
 - Stakeholder Meetings
 - Web Page/Social Media/Email blasts/Printed materials



Design & Post Services: Poinciana Drive

Stage Four: Permitting

During the development of the conceptual and detailed design drawings, we have found it to be very helpful to coordinate with the various permitting agencies during the process. Therefore, as described in the various stages above, we have recommended preliminary coordination and review by the federal, state, and local permitting agencies.

The Kimley-Horn team will be responsible for obtaining all necessary permits from the following agencies:

- Broward County Traffic Engineering
- South Broward Drainage District
- Florida Department of Transportation (FDOT)
- City Building Department



Stage Five: Construction Related Services

Our design team will provide bidding and construction related services. We will prepare the bid documents and schedule of values, attend pre-bid meetings, respond to bidder questions, prepare addenda and revisions, review contractor bids, and assist the in City making bid award recommendations. Our team can also assist in establishing a methodology to set up a procurement process that will help ensure the selection of the most qualified contractor, which is crucial in successfully maintaining the project within budget and on schedule.

During construction, Kimley-Horn will ensure that the design intent is met by reviewing product samples and typical installation and provide technically skilled field observation staff given their experience, familiarity with the existing conditions and utilities in the corridor, experience with City departments, and proximity to the project site. The design team can provide the following construction management and inspection services related to the improvements:

- In-House Construction Related Services
 - Pre-Construction conference(s), project start-up and organization meeting(s)
 - Respond to RFI's, shop drawing submittals
 - Respond to Requests for Supplemental Information
 - Review of pay request applications and change orders
 - Preparation of correspondence related to construction administration and communication with City and Contractor
 - Site Observation Reports
 - Maintain logs for RFI's, reports, drawings, shop drawings
 - Maintain Construction website for public outreach
 - Preparation of progress reports and financial data regards to financing and operational expenses
 - Preparation of substantial completion punch list(s)
 - Review of record drawings
 - Preparation of close out documents
 - Other duties and responsibilities as necessary related to the management of the construction
- On-Site Construction Inspection
 - Site observation and inspection of drainage improvements and certification
 - Site observation and review of construction to insure conformity with plans and material specifications
 - Attendance at job site construction meetings
 - Preparation of daily reports





Tab 9.

Additional Information

9. Additional Information

In addition to the projects and client references included in Tab 4, Past Performance, the Kimley-Horn team has completed the following relevant projects:

Broward County Complete Streets Guidelines, Broward County, FL

Kimley-Horn prepared the Broward Complete Streets Guidelines through a partnership with the Broward Regional Health Planning Council (BRHPC) and the Broward Metropolitan Planning Organization (MPO). Kimley-Horn was tasked with developing guidelines that were customized for local Broward jurisdictions and reflected local conditions, Florida State Statutes, and Florida design criteria. The guidelines were made possible through a Centers for Disease Control and Prevention (CDC) grant, the Transforming Our Community's Health (TOUCH) initiative, administered by BRHPC. The Guidelines are divided into 15 chapters, covering topics such as Travel Way Design, Intersection Design, Pedestrian Crossings, Bikeway Design, Transit Accommodations, Traffic Calming, Streetscape Ecosystem, Designing Land Use Along Complete Streets, and Retrofitting Suburbia. Particular themes that were incorporated into the guidelines include public health, smart growth, transportation equity, sustainability, placemaking, safety, and age-in-place. A Technical Advisory Committee (TAC) was established to guide the development of the manual and provide input from stakeholder agencies including the Florida Department of Transportation, Broward County Public Works, Broward County Transit, Broward MPO, Smart Growth Partnership, Bicycle Pedestrian Advisory Committee, and several local municipalities. Kimley-Horn staff presented monthly updates to the TAC and assisted Urban Health Partnerships conduct public workshops and incorporate community engagement input from the workshops and a public survey.



Seacrest Boulevard Roadway Improvements, Boynton Beach, FL

Kimley-Horn provided planning and design services for Seacrest Boulevard between Boynton Beach Boulevard and Martin Luther King Boulevard. This section of Seacrest Boulevard was a five-lane roadway with two northbound and southbound lanes and a continuous center turning lane. The design features a center landscaped median throughout the corridor, widened sidewalks, decorative crosswalks, landscaped pocket parks, designated public art spaces, irrigation system, asphalt resurfacing, and a reclaimed watermain extension.



Design & Post Services: Poinciana Drive



Plans were produced up to a 30% level for this project and included the initial horizontal geometry, signing and pavement markings, and other details. Initial correspondence has been underway with the City and county for the project. Ultimately, permits will be required from each of these two review agencies.

NOTE: Kimley-Horn assisted the CRA in applying for local agency program stimulus funds for construction of this project, which was constructed in 2012.

Boynton Beach Boulevard Design from East of I-95 to US 1, Boynton Beach, FL

The Kimley-Horn team is currently providing design services for this multi-stage project in the City of Boynton Beach. The design improvements to the project area (east of I-95 to US-1) include landscape architecture enhancements and Complete Streets features. Design features include narrowed lanes and expanded sidewalks to encourage pedestrian mobility and landscape/hardscape upgrades within the corridor. Our services include roadway and landscape design; signing and marking; signal plans; lighting; traffic analysis; utility coordination; permitting assistance; and public involvement services. Kimley-Horn applied for an MPO Local Initiative Grant for the project on behalf of the City and was awarded \$2.5 million.

NW 64th Avenue Improvements, Sunrise, FL

The City of Sunrise applied for a \$927,000 Transportation Alternatives Grant administered by the Florida Department of Transportation to construct bicycle lanes and street improvements on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard. The City retained Kimley-Horn for design services for landscape, lighting, drainage, pedestrian and bicycle enhancements. This includes developing schematic design, design development, permitting, and construction documents. Additionally, Kimley-Horn environmental scientists will review natural, social, and physical resource data in the area and complete a Type 1 and Programmatic Categorical Exclusion (CE) checklist.

Components of the project will include:

- Milling and resurfacing of the roadway
- Re-striping of the roadway to add buffered bicycle lanes
- Redesign landscape with the medians to meet current limits of clear sight standards and design roadside landscape enhancements within the project right-of-way
- Irrigation design
- Design of pedestrian scale LED lighting
- Design of replacement of existing curb ramps, curbing or sidewalk that is broken or needing repair.
- Design for decorative crosswalk treatments
- Design to propose places for public art or gateway feature locations
- Design for adequate drainage in the roadway

The project will be funded under FDOT's LAP program, so Kimley-Horn will provide LAP coordination assistance.

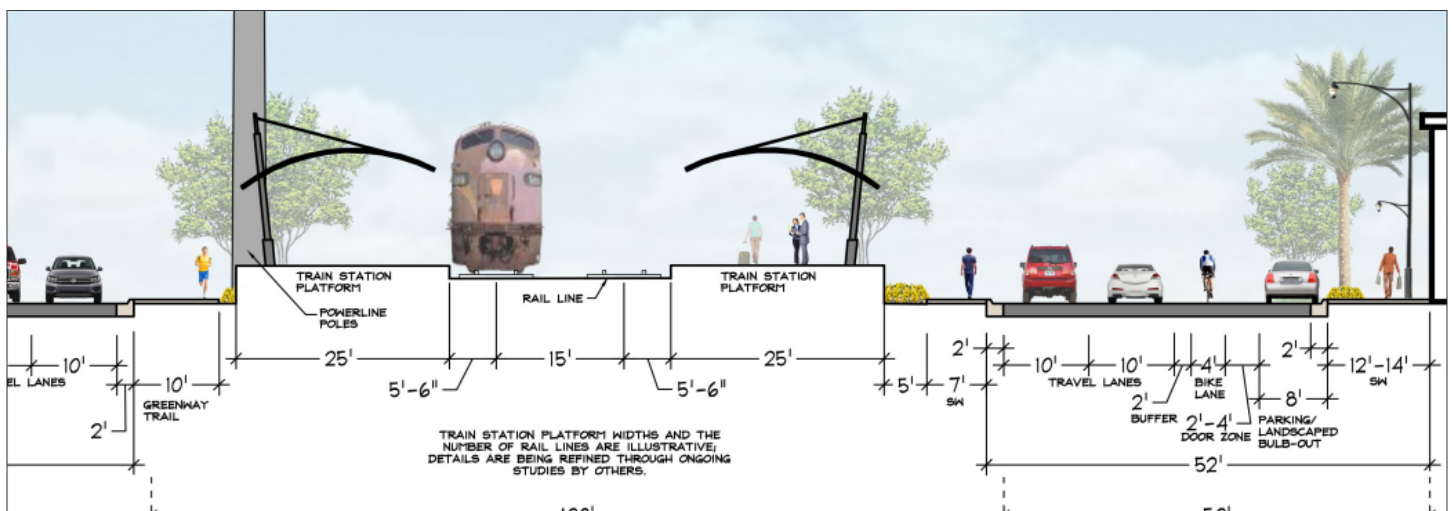
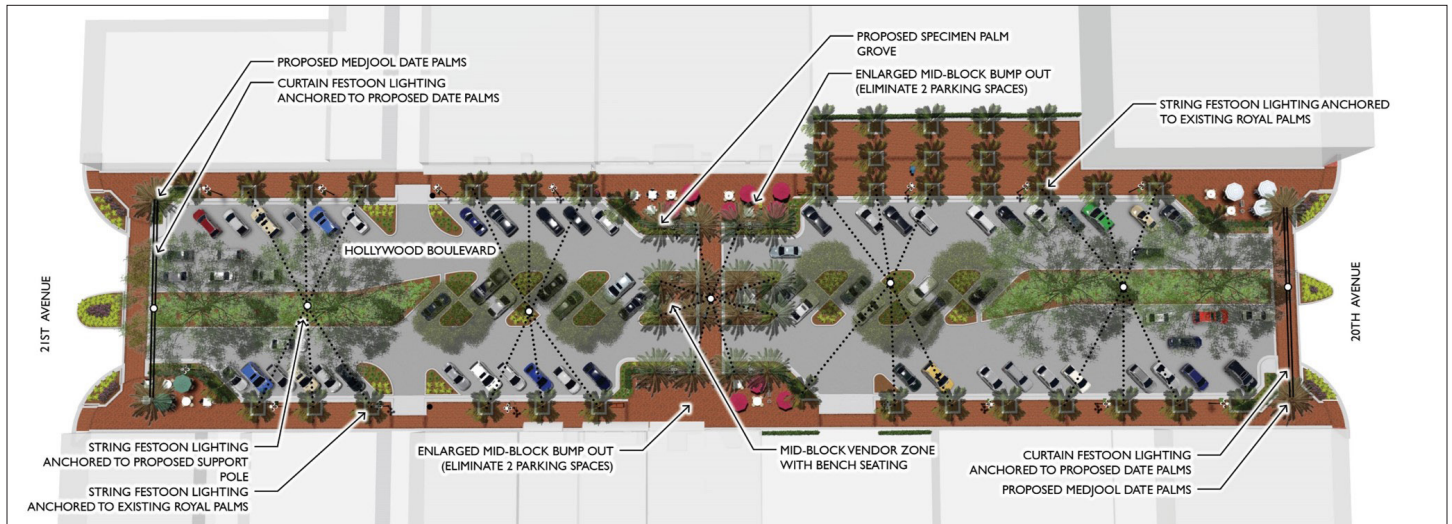
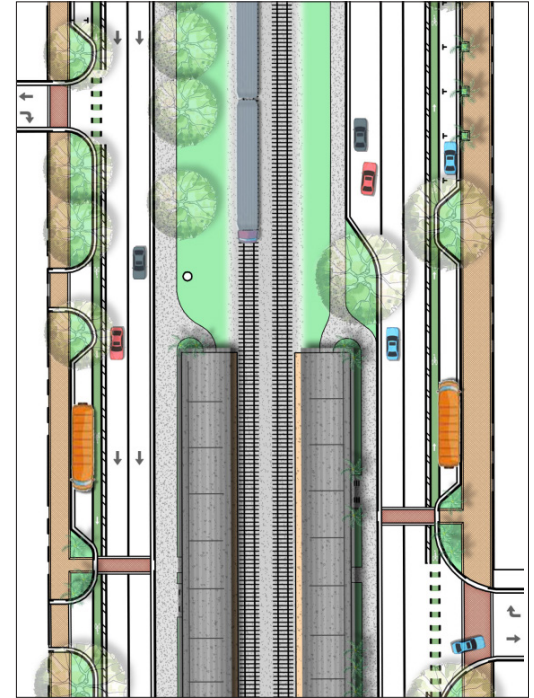
The City anticipates a \$2.5 million construction budget.

Design & Post Services: Poinciana Drive

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood, FL

Through contracts with the City of Hollywood and the Hollywood CRA, Kimley-Horn prepared a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. The goal is to create a “transit-ready corridor” along the FEC Railroad by implementing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station.

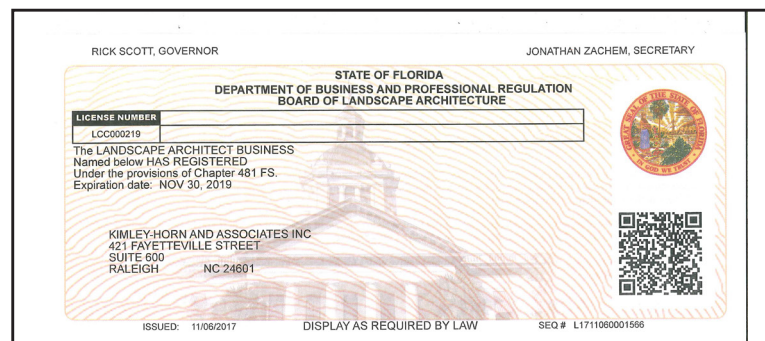
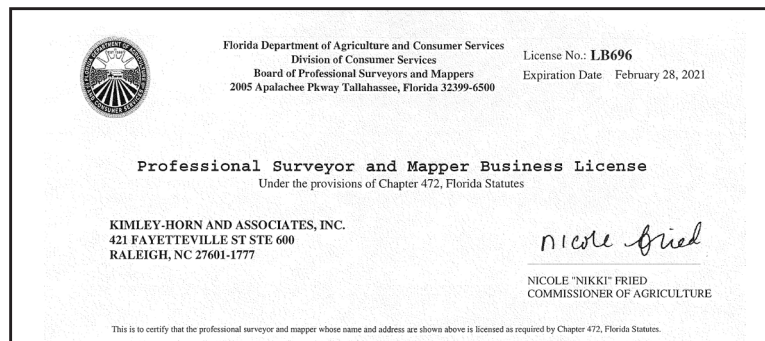
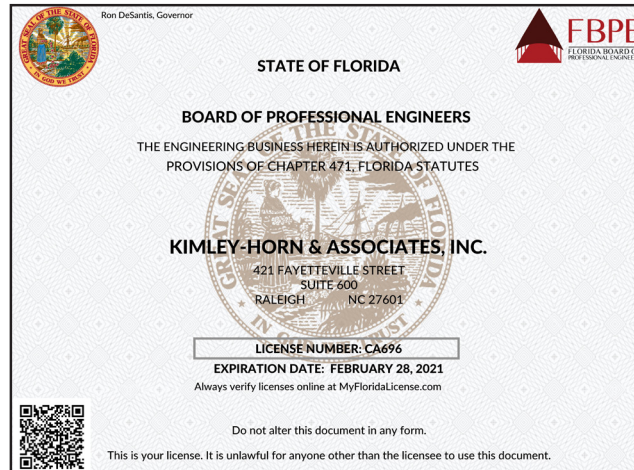
Implementing Complete Streets solutions along Dixie Highway/21st Avenue is important to achieve the vision for improved multimodal mobility and livability along this important north-south corridor. The Complete Streets approach recommended in this study included a “road diet” lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) Railroad.





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Proof of Licensure/Certifications





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Client#: 25320		KIMLHORN		DATE (MM/DD/YYYY) 3/26/2019	
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INSURED Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601			INSURER(S) AFFORDING COVERAGE		NAIC #
			INSURER A : National Union Fire Ins. Co.		19445
			INSURER B : Aspen American Insurance Company		43460
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A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab. GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:		5268169	04/01/2019	04/01/2020	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Proof of Insurance

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Main Address:	382 S HIBISCUS COURT PLANTATION Florida 33317
County:	BROWARD
License Mailing:	
LicenseLocation:	

License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	74655
Status:	Current,Active
Licensure Date:	06/08/2012
Expires:	02/28/2021

Ron DeSantis, Governor

STATE OF FLORIDA

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Licensee Details

Licensee Information	
Name:	BUKOVICH, SEAN M. (Primary Name)
Main Address:	9418 AEGEAN DRIVE BOCA RATON Florida 33496
County:	PALM BEACH
License Mailing:	
LicenseLocation:	

License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	84287
Status:	Current,Active
Licensure Date:	12/16/2017
Expires:	02/28/2021

RICK SCOTT, GOVERNOR

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STANTON, TIFFANY

5179 SW 87TH AVE.
COOPER CITY, FL 33328

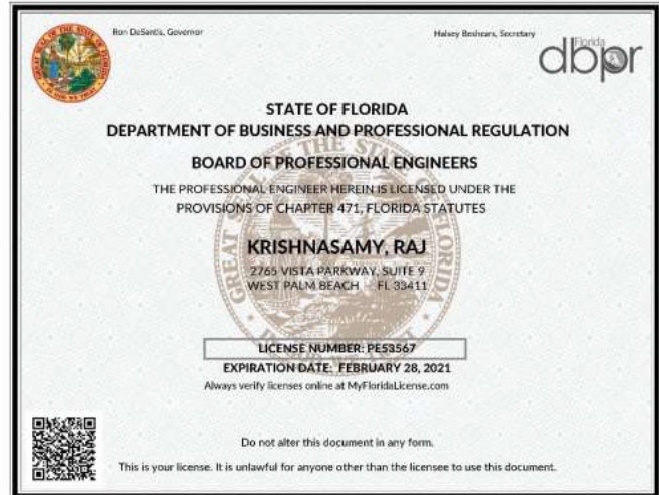
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