

**Bid Tabulation Packet  
for  
Solicitation PNC2119168P1**

**Continuing Engineering Services for Traffic, Roadway,  
and Civil Projects**

**Bid Designation: Public**



**Broward County Board of County Commissioners**

## Kimley Horn and Associates, Inc.

Bid Contact **Amy McGreger**  
**amy.mcgreger@kimley-horn.com**  
**Ph 561-845-0665**

Address **1920 Wekiva Way**  
**Suite 200**  
**West Palm Beach, FL 33411**

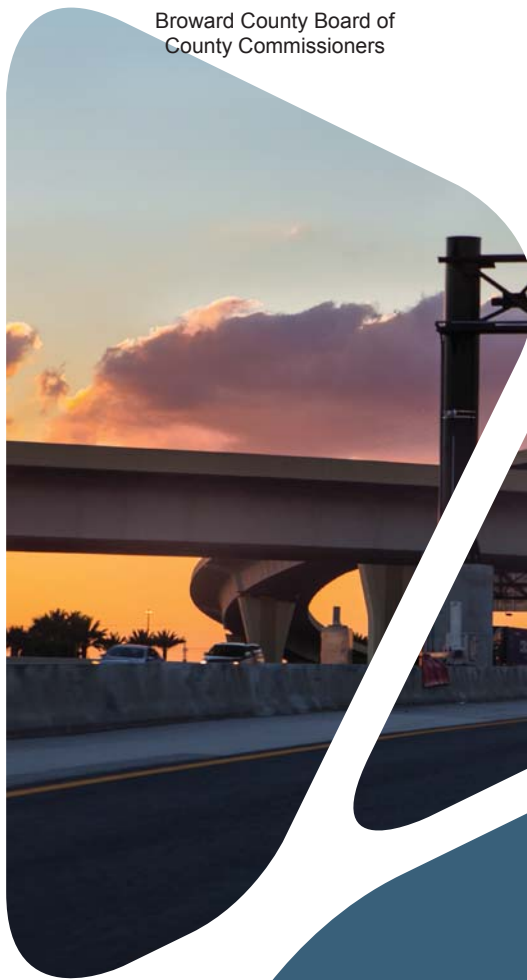
Item #	Line Item	Notes	Unit Price		
PNC2119168P1--01-01	Continuing Engineering Services	<b>Supplier Product Code:</b> <b>Supplier Notes:</b> Due to space restrictions, not everything has been included on the electronic BidSync forms. Additional information for the respective sections and forms can be found in the attached Evaluation Criteria Response PDF.	<b>First Offer -</b> 1 / each	Y	Y
Supplier Total				\$0.00	

**Kimley Horn and Associates, Inc.**

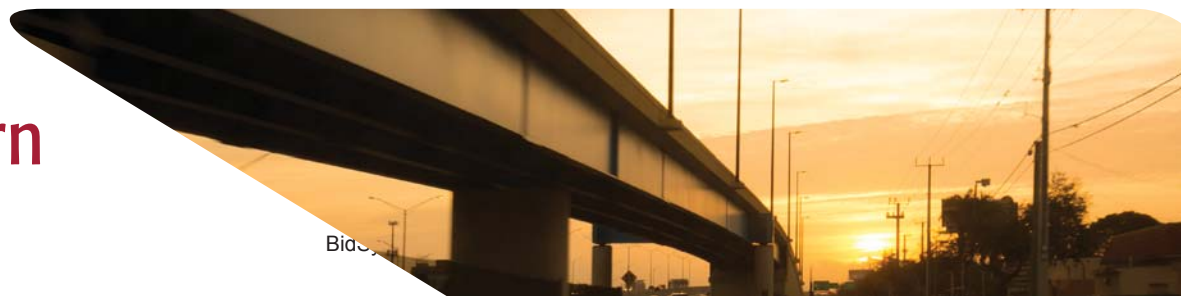
Item: **Continuing Engineering Services**

**Attachments**

GMOC26036.19O\_BrowardCo Cont Eng for Traffic-Roadway-Civil\_FINAL.pdf



Kimley»»Horn





September 11, 2019

Kimley»Horn

Broward County Purchasing Division  
115 South Andrews Avenue, Room 212  
Fort Lauderdale, FL 33301  
*Submitted via BidSync*

**Re: Continuing Engineering Services for Traffic, Roadway, and Civil Projects; Solicitation PNC2119168P1**

Dear Members of the Evaluation Committee:

**Kimley-Horn** is pleased to submit our qualifications to Broward County for Continuing Engineering Services for Traffic, Roadway, and Civil Projects. Broward County has witnessed firsthand Kimley-Horn's attention to detail and commitment to client satisfaction since we opened our Fort Lauderdale location in 1983. We have partnered with you dozens of times to achieve your goals on projects ranging from small parking and traffic studies to major transportation planning and ITS infrastructure improvements. Our team's long resume of taking high-profile and sometimes complex urban design projects from the design phase to final construction is a testament of our ability to successfully manage and implement these types of projects. As you review our response to your request for qualifications, please consider the following benefits of selecting the Kimley-Horn team for this contract:

**Successful Continuing Service Contracts.** Continuing service contracts require a different approach from typical project-specific contracts. Each task assigned under an on-call contract will need an individualized approach that includes the various disciplines necessary to complete the assignment. At Kimley-Horn, we have served several municipalities throughout the state of Florida and FDOT on similar contracts, all bringing unique challenges which our team was able to resolve.

**FDOT and County Knowledge of Standards and Experience.** Our team has a long-standing working relationship with FDOT District Four on countless projects, including numerous transportation projects in Broward County. Our Kimley-Horn team was selected by the County to complete the third segment of Wiles Road (an FDOT grant funded project), in addition to the first two segments. This is a testament to our successful performance and strong relationship both with the County and FDOT.

**Traffic and Transportation Experts.** Transportation, roadway, traffic, and related engineering services have been Kimley-Horn's traditional area of strength since our founding in 1967. Recently, in its list of top engineering firms nationwide, *Engineering-News Record* ranked Kimley-Horn 10th in transportation, 10th in highways, and 15th in mass transit and rail. These distinctions are a result of our uncompromising commitment to excellence.

**ITS Technology Specialists.** ITS is based on the understanding that transportation systems are more than infrastructure. At Kimley-Horn, we know this and specialize in integrating the components of the total system—the road, the vehicle, and the traveler—to make getting around safer and more efficient. As a founding member of ITS America, we have stayed at the forefront of transportation technology for more than a quarter century. We are traffic management specialists, software developers, communications engineers, and systems integrators. Our ITS work reflects innovative thinking and technical expertise, and specialists understand how to make this intelligence work for our clients and their systems. Alongside our clients, Kimley-Horn is defining the future of ITS.

**Complete Streets Experts.** As a national leader in Complete Streets, Kimley-Horn has successfully represented the interests of all modes of travel by designing numerous Complete Streets projects across the state and nationally. Our multidisciplinary approach goes well beyond simply providing plans, graphics, and estimates, but includes an appreciation for how the project fits within the functionality of the street network. **We have written local and national best practice manuals on Complete Streets, including the Broward County MPO's Complete Streets Design Guidelines**, and have implemented these concepts on Wiles Road and communities throughout Broward County and the rest of South Florida.

CONTINUING

**Engineering Services** FOR **Traffic, Roadway,**AND **Civil** PROJECTS ; BID PNC2119168P1**Kimley»Horn**

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**Team Experience and Technical Expertise.** We have assembled a versatile team of professionals with substantial local expertise to meet your goals. Our engineers have been serving cities, counties, TPOs/MPOs and FDOT Districts in Broward, Palm Beach, and Dade Counties, providing a wide range of services since our firm began operating in Florida in 1968. Most of these team members have served Broward County on countless projects in the past, most recently including all phases of Wiles Road design.

**Local Subconsultants Who Know Your Community.** We have built a team of expert subconsultants who will complement our team of Kimley-Horn professionals while serving the County on this project. These firms include **Stoner & Associates, Inc.** (CBE) for Surveying, **Ritzel-Mason, Inc.** for Subsurface Utility Exploration (SUE), **ASA Consultants, Inc.** (CBE) for CEI and In-House Support, **Smith and Associates, Inc.** (CBE) for Electrical Engineering, and **Tierra South Florida, Inc.** for Geotechnical Services. We will strive to exceed the County's CBE goal on this contract, as we have with many other County projects. Our history of meeting and exceeding Broward County and FDOT participation goals speaks for itself.

**Extensive Construction Management Experience.** Our team provides professionals with extensive experience in construction phase services. While Kimley-Horn conducts construction phase services on many of our municipal projects, our subconsultant partner ASA Consultants, Inc. offers extensive and varied CEI experience and will help ensure the availability to serve you on short notice.

**Successful Past Performance.** With more than 350 professionals in our local South Florida offices, our depth of talent and resources allows us to easily staff projects and respond to requests with short notice, such as those required under continuing service contracts. Our firm is unique in the industry, operating as a "single business unit," meaning staff from different offices can quickly be shifted and assigned to projects without needing to jump through corporate hoops that are costly for clients and can often delay projects. Our proprietary staff allocation system, known internally as "cast-aheads," allows us to develop accurate project schedules and assign appropriate staff to meet project demands. This has been recently demonstrated to the County's HCED, where we were able to expedite design on large, multidisciplined projects to meet grant funding deadlines. We encourage you to check with HCED staff regarding our past performance.

**Quality Deliverables.** When it comes to delivering quality design and plans, we can write about it extensively, but true value lies in the demonstration of our proven success; for the past five years, we have been continuously providing quality design and plans to the HCED.

**Summary.** We are genuinely excited about this next opportunity to partner with Broward County on this continuing services contract. Our team's experience, key relationships, and unmatched knowledge of the County will give you confidence that any project under this contract will be a success. Just as on our past projects with Broward County, our goal will be to consistently provide a high level of personal service and attention to detail. We will continue to draw upon past experience on other continuing service projects, our experience within the County, and our wealth of talent and resources to devise innovative and cost-effective approaches to meeting the County's goals for these important projects.

We sincerely appreciate the opportunity to present our qualifications to you and look forward to again serving as your trusted advisor.

Respectfully,

**KIMLEY-HORN**

Jim Sumislaski, P.E.  
Project Manager

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# 1. Ability of Key Personnel

Kimley-Horn understands the value of assembling a strong project team; consequently, the following professionals have been strategically selected to serve the County. Key members of this team have served the County previously and have years of experience working together to deliver high-quality solutions for municipalities throughout Florida. Project manager **Jim Sumislaski, P.E.** and his staff can provide all the necessary engineering services required for this continuing services contract.

## Jim Sumislaski, P.E. – Project Manager



Jim has 37 years of experience and is proficient in all facets of roadway design, including plans preparation, specifications, roadway geometrics, drainage design, permitting, traffic control plans, signing and pavement markings, signalization, ITS plans, and lighting. His involvement in numerous projects for FDOT and local municipalities has demonstrated his expertise in coordinating with local governments, public, and permitting agencies. He served as chief design engineer for Kimley-Horn's efforts on the SunPass Challenge, HEFT widening, I-95 HOV lane widening, I-75 widening, I-4 widening, US 1/NE 203rd Street interchange design, and I-95 SunGuide ITS. Jim has also been trained in FDOT Specifications Package preparation and is certified by FDOT in Advance Work Zone Traffic Control.

## Russell Barnes, P.E. – Principal-in-Charge



Russell is a senior engineer and project manager with 32 years of experience. He serves as project manager for sanitary sewer studies and sanitary sewer design projects. He has provided design support for transportation, corridor location studies, roadway design projects, and airport design projects in four states. Russell's civil engineering experience includes drainage design, permitting, and plans and specifications. His transportation planning experience is comprised of roadway, intersection and signal, signing, and striping designs.

## Marwan Mufleh, P.E. – Quality Assurance/Quality Control



Marwan, with more than 32 years of experience, has been serving Broward County and South Florida communities since 1987. Marwan's diverse experience includes project management, on-call contracts with counties, cities and FDOT, intersection and safety improvements, streetscape, Complete Streets, roadway design, traffic calming, drainage design, pavement marking, maintenance of traffic, preparation of design-build RFP criteria packages, and construction management. He has worked extensively on projects throughout South Florida and has directed numerous projects for Broward County, Palm Beach County, Florida Department of Transportation District's Four and Six, and several surrounding municipalities, including more recently serving as project manager in Broward County for two Wiles Road Design segments from Rock Island Road to SR 7 and Riverside Drive to Rock Island Road. As our QA/QC leader, Marwan's proven track record and local familiarity will help ensure the same exceptional service you've come to expect from Kimley-Horn.

## Stefano Viola, P.E. – Deputy Project Manager



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

## John McWilliams, P.E. – Traffic/Safety/Signalization



John has 21 years of traffic engineering and transportation planning experience in South Florida. This experience includes traffic impact studies, corridor studies, operational analyses, and signalization design. He has been successful in developing creative operational roadway improvements in constrained areas throughout the area by combining his transportation planning knowledge with his expertise in design. John is also proficient in Synchro 5.0, Highway Capacity Software (HCS), AutoCad 2000, Microstation SE, and FDOT Quality/Level of Service software.

**Adrian Dabkowski, P.E., PTOE – Traffic/Safety/Signalization**

Adrian has 17 years of traffic/transportation engineering experience related to transportation planning, traffic operations, corridor studies, toll road revenue studies, long-range transportation improvement plans, access management, and alternative intersection development. He is also proficient in AutoCAD, Highway Capacity Software (HCS), Synchro, VISSIM, ART-PLAN, HIGH-PLAN, FREE-PLAN, and Cube software programs.

**Ravi Wijesundera, P.E., RSP – Traffic/Safety/Signalization**

Ravi has 15 years of experience in transportation planning and traffic engineering. His areas of expertise include traffic safety studies, traffic operations, data analysis, research studies, GIS applications, and transportation planning. He has performed numerous safety studies for FDOT, MPOs, and municipalities in the areas of road departure crashes, intersection safety improvement, fatal crash reviews, bicycle and pedestrian studies, and traffic calming. Ravi is extremely familiar with traffic safety data analysis techniques, identification of crash patterns, field reviews, development of improvement alternatives, operational evaluation of alternatives, benefit-cost analysis, and technical report preparation. As a graduate student, Ravi has performed several safety related research studies, including an evaluation of safety and economic aspects of two thermoplastic pavement markings used by ALDOT. He also assisted in developing Alabama's ITS/CVO Business Plan.

**Ali Brighton, P.E. – Traffic/Safety/Signalization**

Ali has 11 years of diverse transportation engineering experience which includes traffic impact studies, intersection capacity analysis, signal warrant analysis, transit planning, safety studies, and bicycle/pedestrian mobility analysis. Her experience includes large-scale mixed-use projects, municipal transportation plans.

**Mike Russell – ITS/ATMS**

With 30 years of experience, Mike has a strong background in software development, GIS applications, signal systems, timing plan development, traffic data collection, intersection design, communications cable routing, and formal estimation procedures as related to highway design. Mike has served as assistant project manager and systems analyst on a variety of system design projects for the Florida Department of Transportation. He provides software design and assistance for such projects as the Freeway and Arterial System of Transportation (FAST) in Las Vegas, Nevada; Tallahassee Advanced Traffic Management System (TATMS) in Tallahassee, Florida; and I-95 Intelligent Corridor System Planning, FDOT Districts Four and Six, Miami-Dade, Broward, and Palm Beach Counties in Florida.

**Jill Capelli, P.E. – ITS/AMS**

Jill Capelli is a senior transportation engineer who specializes in traffic engineering, transportation modeling/planning, and Intelligent Transportation Systems (ITS). She has 19 years of experience in project management, security and communications design, and deployment of communications networks and their subsystems that comprise computer control and management systems. She also is experienced with simulation modeling, intersection analysis, and multimodal simulation software. Key projects include bus rapid transit/transit signal priority planning and implementation, access control with CCTV design and implementation, and numerous transportation studies evaluating pedestrian, transit, and vehicle access through simulation modeling. Relevant projects include the Hillsborough Area Regional Transit Authority (HART) Bus Rapid Transit (BRT) North-South MetroRapid Preliminary and Final Design Services and Miami-Dade County Bus Rapid Transit (BRT)/Transit Signal Priority (TSP) Concept of Systems Operations Plan.



**Ekaete Ekwere, E.I. – ITS/ATMS**

Ekaete has four years of experience in traffic engineering and transportation planning. She has experience with computerized traffic control and management systems for communications networks. Key projects she has been involved with include providing ATMS implementation and integration, final design plans for hybrid communications system, providing ATMS/ITS consultant support for FDOT, and participation in the statewide automated vehicle initiative with Miami-Dade County.

**Eli Perez, E.I. – ITS/ATMS**

Eli has more than two years of experience in transportation engineering and transportation planning. Her experience includes signal timing plan development, integration of advanced traffic management systems, signal design and modification, traffic impact analyses, ITS planning, maneuverability analyses, and signal warrant analyses. Additionally, Eli has program and software experience in KITS ATMS, Synchro 10, GIS, AutoCAD, Sidra Intersection 8, HCM, and MUTCD.

**Stewart Robertson, P.E. – Complete Streets**

Stewart has 20 of diverse transportation planning and engineering experience, with an emphasis in multimodal planning and design. Stewart's particular areas of interest and expertise include conducting livable communities studies, reducing reliance on automobiles, enhancing accessibility to public transit and non-motorized transportation, and conducting coordination and outreach activities. As a Complete Streets expert, Stewart will help develop big-picture ideas for incorporating sustainability into transportation projects, will lead stakeholder coordination, Study Advisory Committee (SAC) meetings, and presentations to MPO Committees and the MPO Board. Over the years, Stewart has successfully delivered over 20 presentations to MPO Committees and the MPO Board. Most notably, he served as project manager for the development of Broward County's Complete Streets Guidelines.

**Jonathan Haigh, PLA, ASLA – Complete Streets, Landscape Architecture**

Jonathan is a Florida native and has 24 years of experience as a practicing professional landscape architect. He is a skilled designer with public-sector project experience throughout the southeast United States. He has produced and directed the preparation of construction drawings, detailing, and specifications. His experience is strongest in applying a practical and budget-friendly, yet creative, design approach to each project. He has thoroughly embraced the application of sustainable principles in project design and incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems.

**Lisa Juan, E.I. – Complete Streets**

Lisa has played a key role on the Kimley-Horn team serving the Miami-Dade MPO on several recent non-motorized transportation projects. Lisa prepared the geographic information systems (GIS) database for the Cost Feasible component of the 2040 Bicycle and Pedestrian Plan, as well as cost estimates and prioritization of the Needs Plan. She also developed descriptive information and conceptual graphics for the showcase projects included in the 2040 Bicycle and Pedestrian Plan. In addition, Lisa led the development of the data collection and analysis task for the City of Boynton Beach Greenways, Blueways, and Trails Plan. Lisa's experience also includes traffic safety analysis and transportation demand modeling.

**Leo Almonte, P.E. – Roadway Design/Civil Engineering, Signage/Pavement Marking**

Leo has 17 years of engineering experience with a specialty focus on roadway design, drainage design, signing and pavement marking, signalization, and advanced traffic management system design. His experience includes limited-access facility widening to add tolled express lanes; roadway and ITS upgrades to convert existing facilities to all-electronic tolling; design of dynamic message signs and overhead sign structures; and construction contract document preparation and on-site construction phase services. He is a hands-on engineer who is tasked daily with finding solutions to repair, replace, and expand aging transportation infrastructure. He has served as lead design engineer and/or assistant project manager for several large-scale design efforts in South Florida, including I-75 Segments A/B, C & D Widening; I-595 Corridor Widening; Palmetto Expressway Widening; SR 944 Widening; and Okeechobee Road Widening for FDOT District Six in Miami-Dade County.

**Eric Regueiro, P.E., ENV SP – Roadway Design/Civil Engineering**

Eric has more than 14 years of experience in civil engineering on complex transportation-related projects with emphasis on street improvement design, pavement rehabilitation, grading and drainage, stormwater management, and dry and wet utility design. Technical skills support a wide range of projects involving street improvements for active transportation, rail grade separations, rail at-grade crossings, streetcar, LRT, widening, and rehabilitation. His extensive knowledge of local agency requirements includes roadway geometry, utilities, signals, lighting, drainage, and application of various engineering software such as AutoCAD Civil 3D and MicroStation, enabling him to design and model roadways using the client's preferred CAD software.

**Sean Bukovich, P.E. – Roadway Design/Civil Engineering**

Sean has six years of experience as a member of the firm's roadway design division. He provides support to senior engineers on projects that involve roadway and drainage design. His project experience includes Wiles Road Improvements in Broward County, the Palm Beach County Interchange Master Plan for FDOT, the Lake Worth Interchange Turn Lane Project for Florida's Turnpike, and various turn lane improvement projects in Palm Beach County. His responsibilities include preliminary roadway and drainage 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.

**Tiffany Stanton, P.E. – Roadway Design/Civil Engineering**

Tiffany has seven years of civil engineering experience providing stormwater modeling, roadway design, permitting, construction documentation and specifications, and construction phase services.

**Christopher Niforatos, P.E. – Resiliency**

Chris is a principal engineer with 25 years of multidisciplinary experience in the areas of water resources, asset management, and resiliency planning. Chris has served as a principal-in-charge/project director/project manager for local and state clients with specific expertise in planning, numerical modeling, design, permitting, public outreach, and construction management. Chris has delivered a variety of complex water resources projects that have spanned the gamut from undertaking countywide asset condition assessments to delivering hardening plans to devising energy management strategies. Chris has a strong acumen in 1-D numerical modeling, including ICPR, SWMM 5.0, HEC2, HECRAS, TR-20 and TR-55, as well as with design software AutoCAD/Civil 3.0 and ArcGIS.

**Amy Wicks, P.E., LEED AP – Resiliency**

Amy has 15 years of experience managing, designing and permitting a large variety of projects. Projects have ranged from development and environmental resource permitting of small commercial parcels to the management and permitting for projects that are over several thousand acres. Her surface water resource experience is extensive. She has also managed and permitted development projects throughout Southwest Florida. She also is experienced in basin action management plan (BMAP) planning and negotiations with municipalities and FDEP; water quality improvement projects ranging from the use of BMPs to water treatment wetlands, to pilot programs; water quality monitoring and statistical analysis; and TMDL review and implementation plans. Her experience has included state and local design and permitting of water management projects as well as hydrologic, hydraulic, and water quality modeling. Amy has experience permitting projects of all sizes in both the South Florida Water Management District (SFWMD) and the Southwest Florida Water Management District (SWFWMD). Amy also has 319 grant coordination experience. In 2017, she was recognized as one of the Naples Herald's Top 40 Under 40.

**Denise Palmatier, P.E. – Resiliency**

Denise has 27 years of experience in the planning, design, and construction management of water restoration and capital improvement projects for stormwater treatment and flood control projects. Her engineering background includes water resource projects and water treatment areas, as well as the infrastructure associated with flood control and related communications. As a result of her involvement on these projects, she has developed skills related to planning and feasibility studies, permitting, scheduling and cost estimating, and public outreach on environmental projects. In addition, she has extensive experience with water restoration and water supply project planning and design, and familiarity with relevant regulatory and environmental requirements for expediting projects.

**Derrick Lewis, P.E. – Resiliency, Stormwater Management, and Drainage**

Derrick has 21 years of drainage design and project management experience in the public and private sector and has modeled, designed, permitted, and constructed some of the most complex stormwater management facilities in South Florida. His involvement includes coordination with federal, state, and local regulatory agencies. His specialties include roadway engineering, stormwater master plans, plans production, permitting, municipal design, stormwater modeling, and NPDES permitting. In addition, Derrick served on the FDOT District Six Drainage Technical Advisory Committee and was the Assistant NPDES Coordinator for the District.

**Matt Brosman, P.E., CFM – Stormwater Management and Drainage**

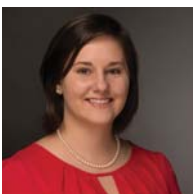
Matt has five years of experience, involving hydrologic and hydraulic modeling, bridge and culvert hydraulic design, and stormwater master planning. He has modeling experience with EPASWMM, XPSWMM, ICPR, HEC-RAS, and HEC-HMS. Matt is also experienced with GIS data management and visualization, proficient with AutoCAD, and skilled in MATLAB programming and application.

**Artem Strunnikov, P.E. – Stormwater Management and Drainage, Signage/Pavement Marking**

Artem is a drainage design analyst for roadway and drainage improvements in South Florida and has eight years of experience. His responsibilities include development of roadway and drainage cross sections, roadway alignment, temporary drainage plans for an emergency trunk line, pre- and post-design water treatment calculations, exfiltration trench calculations and design, utility coordination, stormwater pollutions prevention plans (SWPPP), review of as-builts, and signing and pavement markings.

**George Puig, PLA, ASLA – Landscape Architecture**

With 29 years of professional practice in South Florida, George Puig is a registered landscape architect with experience on a number of projects throughout the United States, Latin America, and abroad, within both private and public sectors. George's project knowledge has been built by his critical involvement in master planning, urban design/streetscape, site development, and conceptual and final design for resorts, hotels, single-family, multifamily, mixed-use, and entertainment/recreational facility projects. His responsibilities include management of designers and planners, marketing, recruiting, team leadership and project management, and ensuring that our clients receive the best possible service.

**Tricia Richter, PLA, ASLA – Landscape Architecture**

Tricia has more than seven years of experience with landscape design, construction document preparation, and preparing presentation graphics. As a practicing professional landscape architect, she is a skilled designer with project experience throughout the southeast of Florida, and experienced with dedicated greenways. She has been directly involved with the preparation of construction drawings, detailing, and specifications. Tricia is adept at incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems.



**Stephen Feccia, PLA – Landscape Architecture**

Stephen is a registered Landscape Architect with more than seven years of experience developing, reviewing, and modifying design concepts, technical drawings, and graphics for complex landscape architectural projects. He is experienced in implementing productive problem solving, critical analysis, and innovative strategies to aid in comprehensive project submittals. He is also experienced in configuring site layouts to formulate diagrams and plans to meet a client's program and budget. He has proven ability in implementing sustainable design strategies for complex irrigation systems for streetscapes, parks, recreational facilities, and large mixed-use sites.

**Tom Whalen – Signage/Pavement Marking**

Tom has 20 years of experience serving as designer on a variety of public and private sector projects. He is a NSPS-ACSM Level III Certified Survey Technician. Tom is also proficient in AutoCAD Land Development and AutoCAD Civil 3D, as well as ArcMap GIS and ArcGlobe GIS.

**Matt Fursetzer, P.E. – Street Lighting**

Matt has 18 years of experience in roadway design with a specialty emphasis on lighting for FDOT facilities. For FDOT District Four, Matt has provided roadway lighting design services for approximately eight of the 10.5 miles of the I-595 Corridor Improvement project. He has also performed lighting assessment, photometric analysis, and cost-benefit analysis for safety improvements through our Districtwide Traffic Operations 3R Safety Review contract.

**Nick Provenzo, E.I. – Street Lighting**

Nick has five years experience in lighting design, ITS, signing and pavement marking, roadway design, and construction phase services for FDOT projects. His software experience includes AutoCAD, MathLab, and SAP 2000.

**Casey Long, P.E. – Structures/Sea Walls**

Casey has 23 years of diverse civil and structural engineering experience on infrastructure improvement projects in Florida, Texas, Virginia, and the Caribbean. His professional background includes project management and design services for seaport, industrial, commercial, military, and educational facilities. Casey also has significant experience in port planning and design, as well as marine structure and container yard design. He has provided design and general consulting services for complete building systems including warehouses, office buildings, public safety facilities, and cruise terminals. In 2015, he was honored as Engineer of the Year by the Palm Beach Chapter of the Florida Engineering Society.

**Angelina Fairchild, P.E., LEED AP – Structures/Sea Walls**

As a lead engineer in our structural division, Angelina Fairchild has 32 years of experience and is responsible for project management, production, scheduling, personnel coordination, and quality control. Angelina's experience includes implementing projects from conceptual design and plan preparation through construction. She has been involved in the design, rehabilitation, repair, construction, and inspection phase services on a variety of structural engineering projects that have included conventional reinforced concrete, precast, prestressed concrete, post-tensioned concrete, and structural steel on bridges; industrial and commercial buildings; parking decks; highway structures; and retaining walls. The Florida Engineering

Society (FES) has recognized Angelina as a leader in her field several times: In 2018; she was awarded Engineer of the Year; in 2010, she received the award for Outstanding Service to the Engineering Profession.

**Kevin Schanen, P.E. – Stormwater Pump Stations**

Kevin has 21 years of diverse engineering and project management experience. He is experienced in a wide variety of municipal projects, including structures, utilities, restoration and rehabilitation, and infrastructure improvements. As project engineer, Kevin prepares and performs engineering analysis on a variety of civil engineering projects, including research, design calculations, field work, and observation. He works closely with our water resources team on water treatment and utility projects, especially for permitting issues. Kevin is overseeing numerous municipal infrastructure and utility projects, as well as a major water treatment plant construction.

**Jason Lee, P.E. – Stormwater Pump Stations**

Jason has a B.S. in Mechanical Engineering and is currently secretary of the Gold Coast Branch of the APWA. He has 17 years of experience serving as a project engineer on various municipal projects throughout Southeast Florida. He has provided designs that include HVAC systems for water plant safe rooms, ventilation and boiler system designs for condominiums, sound attenuated generator rooms, fleet fueling stations, stormwater and sanitary pump stations, and a variety of civil engineering projects. Jason is a fourth generation Floridian; his family has lived in Palm Beach County since his great grandfather first homesteaded land on Torrey Island.

## Subconsultants

We have supplemented our team with key subconsultant partners to bolster our in-house resources. Having worked with these firms extensively, we are confident they provide added value and a local presence that will greatly benefit the City.

**ASA Consultants, Inc. (CBE) – CEI and In-House Support**

ASA Consultants, Inc. offers a full complement of consulting engineering services. Specializing in all facets of the Highway and Structural engineering, they are organized in distinct service niches that include minor, major, and complex roadway design, miscellaneous structures, minor and major bridge design, conventional bridge inspection, bridge load rating, signing and pavement marking, and channelization. Based in Broward County, ASA has worked exclusively in South Florida, primarily with FDOT Districts 4 and 6. In addition, ASA has served as Staff Augmentation for FDOT D4 for over 2 years. **FDOT Pre-Qualifications:** 3.1, 3.2, 3.3, 4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.2.3, 5.1, 5.4, 7.1

**Smith Engineering Consultants, Inc. (SEC) (CBE) – Electrical Engineering**

Smith Engineering Consultants, Inc. (SEC) is an electrical engineering firm with a niche for providing professional services on civil engineering projects. Their experienced staff members have in-depth knowledge of energy, water, telecommunications, transportation, and architectural projects. With headquarters located in West Palm Beach and an office in Fort Lauderdale, SEC is highly experienced in the planning, design, permitting, and construction phases of FDOT, Florida's Turnpike Enterprise, and municipal engineering projects throughout the state of Florida. **FDOT Pre-Qualifications:** 6.2, 6.3.1, 6.3.2, 6.3.3, 7.2, 7.3

**Stoner & Associates, Inc. (CBE) – Surveying**

Stoner & Associates, Inc. was founded in September of 1988 by James D. Stoner, P.S.M. Their mission is to provide quality Land Surveying services while utilizing the latest technology and techniques. They are a Professional Land Surveying Consultant to numerous municipalities, including Broward County Aviation Department, South Florida Water Management District, Broward College, Town of Davie, City of Fort Lauderdale, and City of Sunrise.



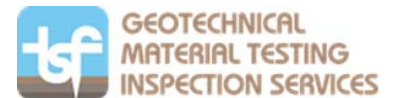
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**Engineering Services** FOR **Traffic, Roadway,**AND **Civil** PROJECTS ; BID PNC2119168P1**Ritzel-Mason, Inc. – SUE**

Ritzel-Mason is a Palm Beach County based professional services company offering a wide range of survey and mapping solutions. They follow the industry recognized ASCE 38 – “Standard Guideline for the Collection and Depiction of Existing Underground Utility Data” – where quality levels are noted for all utilities investigated. They treat utility issues using engineering judgement, focusing attention to properly assess the potential utilities impacted on each project. They use the latest utility detection equipment including Ground Penetrating Radar (GPR), pipe and cable locators from Radio Detection, and vacuum excavation equipment for soft dig test holes. **FDOT Pre-Qualifications:** 8.1, 8.2

**Tierra South Florida, Inc. (TSF) – Geotech**

TSF is a full-service consulting geotechnical engineering, construction materials testing and inspections firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. Their services also include threshold/special inspections and roofing inspection services. TSF was incorporated in the State of Florida in 2003. Their professional team has been working together since 2000 and is committed to providing quality, responsive service, establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. TSF is a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation and a certified Minority Business Enterprise (MBE) with the State of Florida's Office of Supplier Diversity. Additionally, TSF is a certified Small Business Enterprise (SBE) with the City of West Palm Beach, Palm Beach County, SFMWD and the School District of PBC. Their main office is in West Palm Beach with branch offices in Miami Lakes and Orlando, Florida. **FDOT Pre-Qualifications:** 9.1, 9.2, 9.3, 94.4.1, 9.4.2, 9.5, 10.1, 10.3



The organization chart on the following page highlights our team structure and defines relationships among disciplines and tasks. Resumes and licensure for key personnel are included on the following pages.



**Legend**

( ) Denotes Years of Experience

\*Subconsultant

# PROJECT MANAGER

Jim Sumislaski, P.E. (37)

**PRINCIPAL-IN-CHARGE** Russell Barnes, P.E. (32) **DEPUTY PROJECT MANAGER** Stefano Viola, P.E. (13) **QUALITY ASSURANCE/QUALITY CONTROL** Marwan Mufleh, P.E. (32)

## TRAFFIC/SAFETY/ SIGNALIZATION

John McWilliams, P.E. (21)  
Adrian Dabkowski, P.E. (17)  
Ravi Wijesundera, P.E. (15)  
Ali Brighton, P.E. (11)

## ITS/ATMS

Mike Russell (30)  
Jill Capelli, P.E. (19)  
Ekaete Ekwere, E.I. (4)  
Eli Perez, E.I. (2)

## COMPLETE STREETS

Stewart Robertson, P.E. (20)  
Jonathan Haigh, PLA (24)  
Marwan Mufleh, P.E. (32)  
Lisa Juan, E.I. (5)

## ROADWAY DESIGN/ CIVIL ENGINEERING

Leo Almonte, P.E. (17)  
Eric Regueiro, P.E. (14)  
Sean Bukovich, P.E. (6)  
Tiffany Stanton, P.E. (7)

## RESILIENCY

Chris Niforatos, P.E. (25)  
Amy Wicks, P.E. (15)  
Denise Palmatier, P.E. (27)  
Derrick Lewis, P.E. (21)

## STORMWATER MANAGEMENT AND DRAINAGE

Derrick Lewis, P.E. (21)  
Stefano Viola, P.E. (13)  
Matt Brosman, P.E. (5)  
Artem Strunnikov, P.E. (8)

## LANDSCAPE ARCHITECTURE

Jonathan Haigh, PLA (24)  
George Puig, PLA, ASLA (29)  
Tricia Richter, PLA, ASLA (7)  
Stephen Feccia, PLA (7)

## SIGNAGE/PAVEMENT MARKING

Leo Almonte, P.E. (17)  
John McWilliams, P.E. (21)  
Artem Strunnikov, P.E. (8)  
Tom Whalen (20)

## STREET LIGHTING

Matt Fursetzer, P.E. (18)  
Nick Provenzo, P.E. (5)  
\*Larry M. Smith, P.E. (30)  
Smith and Associates, Inc.

## STRUCTURES/ SEA WALLS

Casey Long, P.E. (23)  
Angelina Fairchild, P.E. (32)

## CEI

\*Soheila Sadough, P.E. (28)  
\*Carlos Rodriguez, P.E. (8)  
ASA Consultants, Inc.

## STORMWATER

**PUMP STATIONS**  
Kevin Schanen, P.E. (21)  
Jason Lee, P.E. (17)

## ELECTRICAL ENGINEERING

Larry M. Smith, P.E. (30)  
Smith and Associates, Inc.

## IN-HOUSE SUPPORT

Soheila Sadough, P.E. (28)  
Carlos Rodriguez, P.E. (8)  
ASA Consultants, Inc.

## SURVEYING

James D. Stoner, P.S.M (30)  
Stoner and Associates, Inc.  
Clyde R. Mason II, P.S.M. (16)  
Ritzel-Mason, Inc.

## SUE

Dennis A. Ritzel, P.S.M. (23)  
Francis Thomas, P.E., S.I. (26)  
Kumar Vedula, P.E. (23)  
Tierra South Florida, Inc.

## GEOTECH

Raj Krishnasamy, P.E. (32)  
Francis Thomas, P.E., S.I. (26)  
Kumar Vedula, P.E. (23)  
Tierra South Florida, Inc.

# Jim Sumislaski, P.E.

Project Manager



## RELEVANT EXPERIENCE

### ***Miscellaneous Design Contracts, FDOT Districts Four, Six, and Turnpike***

Over the past ten years, Jim served as chief highway designer for over 20 miscellaneous design projects including drainage improvements, intersection modifications, erosion control measures, signalization, lighting design (conventional and high mast), and full-scale RRR (milling resurfacing) projects. He has chaired public information meetings including sensitive access management issues and has maintained schedules and cost-effective designs within allocated budgets. Several of these miscellaneous design projects include SR 800 (Spanish River Boulevard), SR 84, SR 822, Sheridan Street, Commercial Boulevard, US 1 (Federal Highway), Oakland Park Boulevard, Military Trail, SR A1A, and SR 15.

### ***Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward***

**County, FL** — Project engineer responsible for signal design, lighting design, and value engineering for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Riverside Drive to US 441 (SR 7). Kimley-Horn's design services included roadway design, drainage, lighting, landscaping, irrigation, signing and marking, signalization, utility coordination, FDOT permit, and detailed traffic control plans. Kimley-Horn incorporated the Broward Complete Streets guidelines (also prepared by Kimley-Horn) that were endorsed by the Broward MPO. Our team also provided utility relocation design services for the City of Coral Springs regarding the repositioning of their water and sewer lines and coordinated the relocation of FPL Transmission poles. Existing traffic signals were replaced with mast arm signals. Kimley-Horn is also providing construction phase services. Utility impacts were minimized with innovative drainage design techniques that involved filling in an existing ditch/canal that encroached into existing right-of-way. Kimley-Horn's engineers designed a dry detention area for stormwater attenuation and coordinated with the U.S. Army Corps of Engineers, Pine Tree Water Control District, and SFWMD to develop drainage solutions that avoided the need to acquire additional right-of-way.

### ***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. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

### ***Palmetto Park Road Improvements and Downtown Boca Raton Pedestrian Promenade, Boca Raton, FL*** — Project manager. For this retail district through



**Jim Sumislaski, P.E.****Relevant Experience Continued**

the CRA, and led several public involvement workshops at which detailed traffic engineering and design data were presented. 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.

***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.

***SR A1A Design from East of Mercedes River Small Bridge to Sunrise Boulevard, FDOT District Four*** — Project manager for 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 segment is nationally and internationally renowned as the Fort Lauderdale Beach Strip. This project included 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 used 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 included drainage repair, sidewalk modifications to meet ADA criteria, design variations/exceptions (as necessary), traffic control plans, lighting evaluation, and local agency coordination.

***SR 823/Flamingo Road Milling/Resurfacing (3R), FDOT District Four*** — Project manager for the resurfacing, restoration and rehabilitation (3R) of Flamingo Road in Broward County. Our team provided resurfacing design services and address bicycle, pedestrian, and safety issues. Kimley-Horn also provided surveying services and utility coordination, design mast arms for five intersections, prepared plans for signing and pavement marking and signalization, and performed a lighting investigation.

***Gateway Boulevard Widening, Boynton Beach, FL*** — Project manager for the design, permitting, and construction phase for the widening of an urban arterial from four to six lanes. This one-mile stretch is located immediately to the west of Gateway Boulevard's interchange with I-95. The project included detailed longitudinal profile design as the roadway section was converted from flush outside shoulders to curb and gutter. It included detailed analysis of the roadway's drainage system and that of adjacent developments receiving a portion of the roadway's surface water runoff. Our team coordinated closely with the local drainage district and South Florida Water Management District and successfully negotiated compensating storage to avoid acquisition of property for stormwater ponds. We also coordinated closely with utility agencies to resolve a number of utility conflicts in a fully developed corridor. Kimley-Horn provided alternative designs to avoid the need for construction easements if property owners were not willing to cooperate to meet project schedules. We also coordinated with the City to address impacts to existing landscaping and irrigation and with a local improvement district to street lighting conduits.

***SR 5/US 1 and SR A1A Design Services, FDOT District Four*** — Project manager. The SR 5 (US 1) segment is a 7.5-mile-long, four-lane divided with urban and suburban sections spanning five municipalities. The SR A1A portion is 1/2-mile of two-lane roadway. Along with a public involvement program, the project also involved adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing drainage problems; design variations/exceptions (as necessary); environmental permitting; signing and pavement markings; replacing a curbed section due to widening; and analyzing numerous signalized intersections against current standards.

# Russell Barnes, P.E.

Principal-in-Charge



## RELEVANT EXPERIENCE

**OB Johnson Park, Hallandale Beach, FL** — Principal 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.

**City of Fort Lauderdale Executive Airport (FXE) General Engineering Consultant, Fort Lauderdale, FL** — Project team member for the general consulting contract with FXE. Kimley-Horn is entering its tenth year as FXE's general consultant.

**Resorts World Miami, Miami, FL** — Principal-in-charge. Resorts World Miami is an urban mixed-use development with multiple towers and underground parking. Kimley-Horn is providing a full array of consulting services for this project which includes preliminary entitlements, environmental remediation, utility master planning, platting, parking analysis, roadway design, and transportation and traffic services.

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

**Black Creek Trail Segment A Construction Documents, Miami-Dade County, FL** — Principal-in-charge. Kimley-Horn prepared construction documents for Black Creek Trail, Segment A, which is a 9.1-mile, multi-use greenway trail in southern Miami-Dade County. Our client was the Miami-Dade Park and Recreation Department (MDPR). Kimley-Horn was responsible for all phases of this project ranging from programming and schematic design through construction phase services. We assisted MDPR in identifying potential trail alignments, amenities, trailhead locations, and neighborhood connections. We coordinated with numerous stakeholder groups, including utilities, local governments, and permitting agencies. Our design incorporated a non-motorized trail and linear park design within the Black Creek Canal (C-1) right-of-way owned by the South Florida Water Management District (SFWMD). We overlaid our design on both survey data and high-resolution aerial photography to improve the readability and functionality of the plan set. Key

## SPECIAL QUALIFICATIONS

## Russell Barnes, P.E.

### Relevant Experience Continued

challenges on this project that we addressed included slope stability near the canal bank, crossing several major roadways (including a six-lane section of US 1), and working within SFWMD design standards for permitted use of their right-of-way.

#### ***Miscellaneous General Civil Engineering Services (includes Central Broward Regional Park), Lauderhill, FL***

Principal-in-charge for Kimley-Horn's ongoing contract with the City of Lauderhill. One of the primary projects under this contract involves improvements to Inverrary Boulevard, which is a main spine through the City. Kimley-Horn recently provided master planning services for this section of roadway, including drainage improvements, design for the addition of bike lanes, striping, and meeting ADA compliance for sidewalks. Kimley-Horn team is producing design and construction plans for these improvements to Inverrary Boulevard.

***CVS Pharmacy-National Retail Pharmacy Chain, Various Locations, FL*** — Principal-in-charge of the Kimley-Horn team that was responsible for preparing conceptual site plans, due diligence reports, site plan submittals, engineering permit submittals, and construction plans for more than 100 proposed CVS Pharmacy stores in Miami-Dade, Broward, and Palm Beach counties.

***Bikeway Network Plan Development, Doral, FL*** — Principal-in-charge of the Kimley-Horn team that prepared a Bikeway Network Master Plan for the City of Doral. Our scope of services began with the preparation of an initial conceptual Bikeway Network Map. The purpose of this map was to set the framework for the study by identifying potential bikeways for evaluation throughout the remainder of the study. Subsequent tasks included performing a data collection and existing conditions inventory, intergovernmental coordination, and public outreach. Based on the findings of these tasks, a proposed plan of bikeways was developed that builds upon and refines the conceptual Bikeway Network Map prepared in the initial task. A supporting bicycle infrastructure plan was developed, which included bike racks and lockers. The proposed bikeway network was developed by using GIS software. An attractive brochure report was produced that included maps of the proposed trails in the bikeway network and a brief narrative describing each trail.

***Florida's Turnpike Widening from Glades Road to Atlantic Avenue, Florida's Turnpike Enterprise*** — Principal-in-charge. Kimley-Horn is providing professional services for the widening design of the Turnpike mainline from 6 to 10 lanes, including express lanes. Design services include stabilizing the Lake Worth Drainage District (LWDD) E-2W canal bank to support the project's widening, replacing the Yamato Road bridge over the Turnpike, widening the bridge over Clint Moore Road, replacing the bridge over L-38 Canal, designing noise barriers, roadway lighting, signing and pavement markings, and utility coordination.

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

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



# Marwan Mufleh, P.E.

Quality Assurance/Quality Control



## RELEVANT EXPERIENCE

***Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward County, FL*** — Project manager for the Kimley-Horn team selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Rock Island Road to US 441 (SR 7). Broward County and FDOT are sharing in the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

***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. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

***General Services Contracts for Various Clients including FDOT, Hollywood City CRA, Delray Beach, Palm Beach County, and others, FL*** — Project manager for several on-call contracts including FDOT District 4 for Minor Projects, City of Hollywood and their CRA on General Engineering Services, City of Delray Beach General Engineering Services and Palm Beach County Annual Intersection Improvements. Managed several work authorization based projects. Managed and assigned teams and specialty professionals for various types of projects including intersection improvements, safety signal and lighting improvements, fishing pier repairs, expert witness testimony, drainage improvements, streetscape and landscape tasks.

***Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL*** — Project manager. This multi-phased project included a study and conceptual design, temporary implementation of the design for a trial period and final design of the permanent improvements. 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. Accordingly, Kimley-Horn was retained to evaluate potential changes to the lane configuration along southbound (NE/SE 5th Avenue) and northbound (NE/SE 6th Avenue) segments of US 1 from north of Linton Boulevard (SE 10th Street) to George Bush Boulevard. Kimley-Horn developed alternatives, forecasted future traffic volumes for review with the City and

SPECIAL QUALIFICATIONS

**Marwan Mufleh, P.E.****Relevant Experience Continued**

the downtown area, Kimley-Horn provided full roadway and streetscape design 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, reconstruction of Boca Raton Road with an inverted crown roadway with 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. Improvements along Palmetto Park Road include construction of wider brick paver sidewalks, raised brick paver intersections, lighted bollards, and new decorative street lighting. Planned pergola structures accent the streets providing shade and a seating area for pedestrians.

***Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL*** — Design engineer.

This multi-phased project includes 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. Temporary improvements were installed to study the real-world effects of fewer and narrower lanes. In 2010, the CRA asked Kimley-Horn to move forward with designs for permanent improvements. City residents and visitors now 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.

***I-95 Interchange Master Plan from South of Hallandale Beach Boulevard to North of Hillsboro Boulevard, FDOT***

**District Four** — Project manager. Kimley-Horn served as a subconsultant for the I-95 Interchange Master Plan. This project involved a study of the nineteen existing interchanges from Hallandale Beach Boulevard to Hillsboro Boulevard in Broward County. Kimley-Horn was tasked with developing improvements for the six interchanges in Broward County (Hallandale Beach Boulevard, Pembroke Road, and Hollywood Boulevard, Sheridan Street, Stirling Road, and Griffin Road).

**Florida's Turnpike/Lake Worth Interchange Reconstruction, Lake Worth, FL** — Project manager for design of interchange. As part of Kimley-Horn's design efforts for a 7-mile widening effort between Boynton Beach and Lake Worth, we also designed the relocation of 1,400 linear feet of the existing Lake Worth Drainage District Canal to reconstruct a new toll plaza facility and new ramps for the Lake Worth interchange. In addition to relocating the canal, Kimley-Horn's services included roadway design, signalization, lighting, drainage, ITS plans, environmental assessment and contamination reports, and landscaping for the new facility.

**Broward Boulevard, Broward County, FL** — Project manager and CEI supervisor for the construction of Broward Boulevard from Pine Island Road to University Drive. This project entailed the widening of five parallel bridges and a precast concrete wall.

**Pembroke Road, Pembroke Pines, FL** — Project manager for this three-mile, \$11.8-million improvement project for the neighboring cities of Pembroke Pines and Miramar. The lighting design is of special significance because existing FPL fixtures were being supplemented with additional light fixtures to bring light level to current standards. Use of AG132 software was needed to model light level and optimize the design. This project included extensive public involvement and coordination with other proposed projects in the area.

**Davie Road Extension, Broward County, FL** — Project manager for the 1.5-mile improvement of this urban roadway for Broward County. This project included extensive public involvement and coordination of two cities with specific interests.

**NE/NW 48th Street, Broward County, FL** — Project manager and CEI supervisor for this 2.5-mile urban roadway design in Broward County. Design responsibilities involved geometry, drainage design, permitting, signalization, and railroad coordination.

# Stefano Viola, P.E.

Deputy Project Manager



## RELEVANT EXPERIENCE

**City of Aventura General Services Contract, Aventura, FL** — Project engineer. Kimley-Horn is currently providing general traffic engineering and transportation planning services to City staff as a subconsultant to another firm. Team duties include peer review of traffic impact and parking studies, site plan review, representation at public hearings, and signal design. Additional duties include comprehensive study of various proposed infrastructure modifications, including Aventura Mall access and circulation, William Lehman Causeway interchange justification, US 1 median closure, extension of Miami Gardens Drive (east of US 1/Biscayne Boulevard) and evaluation of potential railroad crossings.

**Broward County Transit Signal Priority (TSP) Implementation, FDOT District Four, Broward County, FL** — Project engineer on the Kimley-Horn team that provided TSP services for FDOT District Four. The project involved approximately 50 intersections along three major corridors in Broward County that were implemented for TSP in time for the mid-2009 start of operation of the 95 Express Managed Lanes project on I-95 in Broward and Miami-Dade counties. The 95 Express Managed Lanes project is a dynamically-tolled operation funded as part of a \$62 million urban partnership grant from the U.S. Department of Transportation. Express buses now shuttle passengers between Broward and downtown Miami within the 95 Express lanes.

**FAU Florida Atlantic Boulevard Northern Four Lane Design and Permitting, Boca Raton Campus, Boca Raton, FL** — Project engineer on the Kimley-Horn team that provided design and regulatory agency permitting for the construction of one mile of 4-lane roadway (from Lee Street to Spanish River Boulevard) on FAU's Boca Raton Campus. The plans included paving, grading and drainage, reclaimed water main, signing and striping, signalization, and landscape/irrigation. Kimley-Horn was also responsible for the traffic control and operations design for the project.

**Fort Lauderdale General On-Call Traffic Engineering Services, Fort Lauderdale, FL** — Project analyst 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. Additional projects have included development of a corridor study to support lane reductions along SR A1A and development of a Greenways Plan to complement multimodal transportation options within the corridor.

**Royal Palm Boulevard Improvements (Royal Palm Blvd. Bridge over Margate Canal), Margate, FL** — Project engineer for the realignment of the roadway, east- and westbound left turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, drainage improvements, landscaping, irrigation, and lighting improvements. Also provided utility coordination. The work included design of a roadway bridge and two pedestrian bridges, roadway and turn lanes, drainage, signing and pavement markings, government agency approvals, coordinating with utility providers for adjustments and or relocations, preparing detailed quantity calculations and engineers estimates of probable costs, and providing resident project representation and incidental items.

## SPECIAL QUALIFICATIONS

**Stefano Viola, P.E.****Relevant Experience Continued**

**Barton Boulevard Streetscape, Rockledge, FL** — Project engineer for this \$4.2-million facelift for two miles of Barton Boulevard, from US 1 on the east to Fiske Boulevard on the west. Also provided utility coordination. Kimley-Horn provided design services to improve traffic flow, add new decorative lighting and landscaping, contain a landscape median, improve pedestrian movements with new sidewalks and bike paths, upgrade drainage and stormwater management, install new mast arm traffic lights, add new infrastructure, and beautify the heart of the Redevelopment district. Kimley-Horn also worked with a number of agencies, such as the Florida Department of Transportation (FDOT), St. Johns River Water Management District, and the FEC Railway. In addition, the major intersection of US 1 and Barton Boulevard was improved as part of a multi-million dollar FDOT road widening project. The City and CRA have contributed \$1.5 million dollars for project enhancements which included pedway, landscaping, lighting, and wayside stations.

**Miscellaneous General Civil Engineering Services (includes Central Broward Regional Park), Lauderhill, FL**

Project engineer. Also provided utility coordination. Kimley-Horn is serving the City of Lauderhill on various roadway/traffic and related storm drainage projects. We have worked with the City on a series of roadway and drainage improvements projects in key areas throughout the City. Specifically involved with the Inverrary Boulevard Resurfacing project; assisting with design and permitting with Broward County and the City of Lauderhill.

**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.

**Continuing Engineering Services, Miramar, FL** — Project manager for Kimley-Horn's general civil engineering, traffic engineering, landscape architecture and park design consulting services to the City of Miramar on an ongoing basis. Areas of assistance include review of traffic impact analyses and parking studies specific to development applications, park design services for the Police Benevolent Association Civic Center Park Expansion, reclaimed water line design, water main design, and site civil engineering. Additional services include involvement as a member of the City of Miramar's land development staff to provide traffic and transportation input to the Planning and Zoning Board and the City Commission for traffic operation issues and proposed development site plans.

**SW 97th Avenue Improvements, Cutler Bay, FL** — Project engineer for the Kimley-Horn team that is providing construction phase services for this roadway project in the Town of Cutler Bay. Tasks include shop drawing review, site visits, and utility coordination, as well as resident project representative services.

**Roadway, Traffic, and Stormwater Engineering Services NW 37th Street and NW 33rd Avenue, Lauderdale Lakes, FL** — Kimley-Horn is working with the City of Lauderdale Lakes under a general services contract to provide roadway, traffic, and stormwater improvements. To date, we have started several projects, including the NW 37th Street/NW 33rd Avenue project. Served as analyst responsible for the preparation of engineering drawings and the permitting process for this roadway enhancement project that also includes the addition of speed tables, walkway, and landscaping.

**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 six-acre site required extensive drainage modeling for an Environmental Resource Permit (ERP)/ Broward County Stormwater Permit modification.

**Civic Center Park Expansion, Miramar, FL** — Project manager for Civic Center Park previously known as the Police Benevolent Association Park a 1 acre parcel that was given to the City as part of a Broward County Land Stewardship Program "Park for People" grant to redevelop the site while implementing "green construction" as a neighborhood park. The site is located adjacent to the City Aquatic Park West in Miramar, Florida. As part of the grant program it required that the redesign include green components such as recyclable material, environmentally beneficial landscape practices utilizing native plants, environmentally sound and water saving fixtures, irrigation technologies and interpretation/public education signage. The park improvements included a walking path with exercise stations, a pavilion, playground with tables, landscaping, irrigation, solar powered bollard lighting, a lighted parking lot and surface parking improvements.



# John McWilliams, P.E.

Traffic/Safety/Signalizations, Signage/Pavement Marking



## RELEVANT EXPERIENCE

### ***Fort Lauderdale 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.

### ***Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four***

Project engineer for a contract that involves a holistic approach to traffic enhancements in concert with planned roadway construction projects to improve the safety of the district's roadways. The department is looking at both infrastructure countermeasures in addition to public marketing/education campaigns. Kimley-Horn will be responsible for establishing the nature of the safety issue, deciding whether it can be corrected through an education/marketing campaign or whether it needs an engineering solution. We will then develop an implementation plan to address any deficiency.

***Aventura General Services Contract, Aventura, FL*** — Serving as project manager. Kimley-Horn is currently providing general traffic engineering and transportation planning services to city staff. Primary assignments include peer review of traffic impact and parking studies, site plan review, representation at public hearings, and signalization design. Additional assignments include the comprehensive study of various proposed infrastructure modifications, including Aventura Mall access and circulation, William Lehman Causeway interchange justification, US 1 median closures, and the extension of Miami Gardens Drive (east of US 1/Biscayne Boulevard).

### ***Royal Palm Boulevard Improvements (Royal Palm Boulevard Bridge over Margate Canal), Margate, FL***

Project engineer. Our services included the engineering design and development of construction documents for Royal Palm Boulevard Improvements beginning approximately 200 feet± east of the Margate Canal and extending east to the west half right-of-way of SR 7 (441), approximately one mile in total length. The project involved realignment of the roadway, east- and westbound left-turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, minor drainage improvements, and lighting improvements. Professional services included design, permitting, coordinating with utility providers for adjustments and/ or relocations, preparing quantity calculations and engineers' estimates of probable costs, and limited construction phase services.

### ***I-95 Corridorwide Planning for Operational Deficiencies, US 1 to Broward County Line, Broward County, FL***

Serves as project manager. Kimley-Horn is developing and evaluating improvement concepts and performing a detailed planning level operational analysis for the I-95 corridor within District Six. The study's purpose is to identify recurring bottlenecks and develop a series of proposed improvements to address current and future demands on the corridor. The analysis includes evaluation of the study interchanges, interchange influence areas, and ramp junctions, as well as post-implementation operational conditions of the 95 Express corridor improvements. Multiple improvement alternatives are being developed for the mainline and system-to-system connections.

## SPECIAL QUALIFICATIONS

**John McWilliams, P.E.****Relevant Experience Continued**

**Districtwide Pedestrian and Bicycle Consultant, FDOT District Six** — Served as project manager for an ongoing districtwide contract. Kimley-Horn's duties include conducting an engineering review of plans and reports for incorporating, extending, and/or enhancing bicycle and pedestrian facilities, submitting project review comments within the Electronic Review Comment (ERC) process, presenting current FDOT projects to the Miami-Dade BPAC on a monthly basis for review and comment, providing non-motorized transportation expertise at stakeholder meetings, and coordinating with design engineers and FDOT project managers as necessary. In addition, Kimley-Horn has assisted the department with performing ancillary tasks such as developing a bicycle ways design checklist, assisting in the development of sharrow marking prioritization criteria, and performing field data collection tasks, such as for the Sunset Drive sharrow research study. Projects under this contract have included:

- **SR A1A Bicycle Master Plan** — Project manager for the development of a bicycle facility master plan for a 22-mile portion of SR A1A from the Broward County line to Downtown Miami. 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 the affected municipalities and Miami-Dade MPO's Bicycle and Pedestrian Advisory Committee.
- **US 1/SR 5 Bicycle Master Plan** — 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.

**US 441 (SR 7) Prospect Road "Breeze" Bus Queue Jumper, Fort Lauderdale, FL** — Project engineer on the Kimley-Horn team that provided planning and design services for two transit signal priority projects in Broward County, including a bus queue jumper lane at the US 441/Prospect Road intersection. Responsible for designing the signal modifications required for queue jumper operations, including a unique signage and signal operating plan.

**SR 7/US 441 at NW 29th Street, Lauderdale Lakes, FL** — Design engineer of record for a mast arm conversion project as part of a retail redevelopment on the west side of SR 7/US 441. Responsibilities included signal/interconnect design and permitting, utility coordination, and construction phase services.

**McNab Road at Avon Lane, North Lauderdale, FL** — Design engineer of record for mast arm conversion project as part of a new retail development along the south side of McNab Road. Responsibilities include signal design and permitting, utility coordination, bidding assistance, and construction phase services.

**Flamingo Road and Silver Falls Boulevard, Miramar, FL** — Design engineer of record for a new mast arm signal installation to serve a large residential development in south Miramar. Effort included signal design and permitting, utility coordination, and construction phase services.

**Biscayne Boulevard Roadway Diet between SE 1st Street and NE 5th Street, Miami, FL** — Project manager to prepare a traffic analysis to assess traffic conditions, if the number of travel lanes on Biscayne Boulevard between SE 1st Street and NE 5th Street were reduced. A total of four different laneage configurations were developed. Analyses were conducted for weekday A.M. and P.M. peak hours. Significant coordination was held with City of Miami and Miami Downtown Development Authority.

**Districtwide Modal Development Consultant (includes South Florida Regional Freight Plan), FDOT District Four**

Project engineer who provided traffic signal design services and traffic operational analyses for several task work orders, including the Bus Queue Jumper demonstration project. Kimley-Horn has served as a Districtwide Modal Development Consultant to Florida Department of Transportation (FDOT) District Four since 2006. Kimley-Horn's responsibilities include travel demand modeling (multimodal), transportation systems management, congestion management, intermodal facilities, park-and-ride lot planning, multimodal alternatives analysis, transit planning, and bicycle and pedestrian planning.

# Adrian Dabkowski, P.E., PTOE

Traffic/Safety/Signalization



## RELEVANT EXPERIENCE

**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. Additional projects have included development of a corridor study to support lane reductions along SR A1A and development of a Greenways Plan to complement multimodal transportation options within the corridor.

**City of Miami Transportation Program Support Services, Miami, FL** — Project manager for general traffic engineering and transportation planning services as part of an on-call contract with the City. Kimley-Horn served as an extension of the City of Miami staff preparing traffic operations analyses, transportation planning, traffic calming and complete streets improvements; transit planning and operations; geographic information system (GIS)/database management design of street; and parking analysis and design.

**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. The design of Oceanside Plaza includes space for special events such as festivals and concerts; play areas for children; and a convenient porte-cochere drop off. Kimley-Horn is providing the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

**Districtwide Bicycle and Pedestrian Safety Analyses, FDOT District Six**  
Project engineer for a study that evaluated 10 roadways identified as high bicycle and pedestrian crash segments. Duties included GIS mapping of crashes, identify one to two-mile segments for field review, conduct field reviews, and develop potential recommendations to improve safety for pedestrians and bicyclists. The corridor segments were prioritized based on benefit-cost analyses.

**MacArthur Causeway/SR A1A Intersection Improvements at Terminal Isle and Bridge Road, Miami Beach, FL** — Project engineer to prepare a traffic impact study for the proposed Sun Terminal parking garage located on Terminal Isle. This analysis included traffic data collection, field observations, design traffic forecasts, intersection operational analysis, and the development of long-term improvements for the study intersection. The operational analysis examined existing and future traffic conditions during the weekday peak hours. The analysis also developed five different alternatives for the intersection. The recommended improvements consist of constructing a northbound approach at the intersection of MacArthur Causeway/SR A1A at Bridge Road and the removal of an approach at the intersection of MacArthur

## SPECIAL QUALIFICATIONS

## Adrian Dabkowski, P.E., PTOE

### Relevant Experience Continued

Causeway/SR A1A at Terminal Isle. Significant coordination was held with FDOT, City of Miami Beach, and Miami Dade County Public Works and Waste Management Department's Signal and Signs Division.

**NE 36th Street and Biscayne Boulevard/SR A1A Intersection Roadway Improvements, Miami, FL** — Project engineer to prepare a traffic study and determine intersection improvements at NE 36th Street and Biscayne Boulevard/SR A1A. This analysis included traffic data collection, design traffic forecasts, intersection operational analysis, and the development of long-term improvements for the study intersection. The operational analysis examined existing and future traffic conditions during the weekday peak hours. Significant coordination was held with FDOT, City of Miami Beach, and Miami Dade County Public Works and Waste Management Department's Signal and Signs Division.

**NE 38th Street/NE 39th Street and Biscayne Boulevard/SR A1A Intersection Roadway Improvements, Miami, FL** Project engineer to prepare a traffic study and determine intersection improvements at NE 38th Street at Biscayne Boulevard/SR A1A and NE 39th Street at Biscayne Boulevard/SR A1A. Improvements included modifying the one-way loop on NE 38th/39th Street. This analysis included traffic data collection, field observations, design traffic forecasts, intersection operational analysis, and the development of long-term improvements for the study intersection. The operational analysis examined existing and future traffic conditions during the weekday peak hours.

**Biscayne Boulevard Roadway Diet between SE 1st Street and NE 5th Street, Miami, FL** — Project engineer to prepare a traffic analysis to assess traffic conditions, if the number of travel lanes on Biscayne Boulevard between SE 1st Street and NE 5th Street were reduced. A total of four different laneage configurations were developed. Analyses were conducted for weekday A.M. and P.M. peak hours. Significant coordination was held with City of Miami and Miami Downtown Development Authority.

**Indian River County 2035 Long Range Transportation Plan Update, Indian River County, FL** — Project engineer. Kimley-Horn served as the prime consultant for the development of the Indian River County Metropolitan Planning Organization's (MPO's) adopted 2035 LRTP. This effort involved conducting a public land use workshop, developing alternative future land use scenarios, selecting a preferred land use scenario, developing future year socio-economic data sets, identifying future transportation deficiencies, preparing a needs plan, projecting financial revenues and expenditures, and developing a 2035 cost feasible plan. Kimley-Horn used the Greater Treasure Coast Regional Planning Model (GTCRPM) for travel demand forecasting. We developed an interactive spreadsheet to facilitate the selection of cost feasible projects using the year-of expenditure approach. Other tasks associated with this study involved conducting a public participation process; preparing graphic illustrations and GIS maps; developing goals, objectives, and policies; and revising the MPO's priority project selection methodology.

**58th Avenue Alternative Corridor Evaluation, Indian River County, FL** — Project engineer. Kimley-Horn conducted an alternative route evaluation to quantify effects on trip distributions within a 0.5-square-mile radius within the heavily commercialized SR 60 corridor. The analysis contemplated new roadway corridors, expanded roadway corridors, and various improvement combinations to determine effects on projected trip distributions and specific turning movements within the study area.

**Implementation Plan for the Northeast Corridor Traffic Flow Study, Miami-Dade County, FL** — Project engineer/designer for the Kimley-Horn team that assisted the Metropolitan Planning Organization with developing an implementation plan that provides the framework for programming of transportation improvements in the northeast section of Miami-Dade County. The plan included defining projects to the level required to determine costs, subsequently determining potential funding sources, and finally laying out a blueprint toward implementation. The roadway grid lacks continuity with few roadways traversing the entire study area. The result of this study is a program of transportation improvements to address traffic congestion and—to some extent—provide alternatives to the single-occupant automobile as a method of transportation.

**All Aboard Florida – Fort Lauderdale Station, Fort Lauderdale, FL** — Project engineer on the Kimley-Horn team that was retained to assess the impacts of the new train station in the City of Fort Lauderdale along the Florida East Coast (FEC) Railway as part of the proposed All Aboard Florida passenger rail service connecting Miami, Fort Lauderdale, and West Palm Beach. The initial study completed in November 2014 included examining the impacts the station, an at-grade crossing, and an extension of NW 2nd Avenue. The following update to the study utilizes traffic count data collected after the closure of the at-grade crossing and accounts for the access locations of the surface parking lots, proposed parking garage, and the drop-off/pick-up areas.



# Ravindra Wijesundera, P.E., RSP

Traffic/Safety/Signalization



## RELEVANT EXPERIENCE

***Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four*** — Task leader and project manager for a contract that performed over 50 task work orders ranging from 3R safety reviews, traffic and vulnerable road user safety studies, road safety audits, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involved in all facets of the contract including crash data analysis, field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations to the Safety Review Committee (SRC), and scope development. The team successfully presented over 20 safety studies to SRC, and the implementation cost of recommended improvements exceeded \$16 million. Developed a contract specific SharePoint site for easy sharing and access of key deliverables.

***General Services Contract, Aventura, FL*** — Project engineer. Kimley-Horn is currently providing general traffic engineering and transportation planning services to City staff as a subconsultant to another firm. Team duties include peer review of traffic impact and parking studies, site plan review, representation at public hearings, and signal design. Additional duties include comprehensive study of various proposed infrastructure modifications, including Aventura Mall access and circulation, William Lehman Causeway interchange justification, US 1 median closure, extension of Miami Gardens Drive (east of US 1/Biscayne Boulevard) and evaluation of potential railroad crossings.

***Districtwide Traffic Operations Safety Studies, FDOT District Four*** — Project manager for a contract that is performing task work orders ranging from safety studies, safety reviews, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involves in all facets of the contract including field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations, scope development, and subconsultant management.

***Districtwide Traffic Operations Studies, FDOT District Six*** — Project engineer for a safety contract that evaluated several intersections identified as high crash locations by the Department. Responsibilities include crash data review, develop collision diagrams, identify high crash types and patterns, field reviews, performing benefit/cost analysis, and preparing technical reports.

***Miami-Dade County, Signal Retiming of Corridors, Miami, FL*** — Project engineer for the Kimley-Horn team that was selected by Miami-Dade County Public Works to retime the traffic signals on four major corridors: (1) Kendall Drive from SW 157th Avenue to South Dixie Highway; (2) Biscayne Boulevard from the Broward County line to NE 87th Street; (3) Flagler Street from West 118th Avenue to the Miami River; and (4) 107th Avenue from NW 41st Street to Coral Way. These corridors represent some of the most congested corridors in Miami-Dade County, and this project represented the first significant signal retiming effort in many years. The project included extensive data collection, including traffic counts, field reviews, and travel time runs.

***Districtwide Bicycle and Pedestrian Safety Analyses, FDOT District Six***  
Project engineer for a study that evaluated 10 roadways identified as high bicycle and pedestrian crash segments. Duties included GIS mapping of crashes, identify one to two-mile segments for field review, conduct field reviews, and develop potential

## Ravindra Wijesundera, P.E., RSP

### Relevant Experience Continued

recommendations to improve safety for pedestrians and bicyclists. The corridor segments were prioritized based on benefit-cost analyses.

**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. Additional projects have included development of a corridor study to support lane reductions along SR A1A and development of a Greenways Plan to complement multimodal transportation options within the corridor.

**Signal Retiming of Corridors, Miami, FL** — Project engineer for the Kimley-Horn team that was selected by Miami-Dade County Public Works to retime the traffic signals on four significant corridors: (1) Kendall Drive from SW 157th Avenue to South Dixie Highway; (2) Biscayne Boulevard from the Broward County line to NE 87th Street; (3) Flagler Street from West 118th Avenue to the Miami River; and (4) 107th Avenue from NW 41st Street to Coral Way. These corridors represent some of the most congested corridors in Miami-Dade County, and this project represented the first significant signal retiming effort in many years. The project included extensive data collection, including traffic counts, field reviews, and travel time runs.

**Citywide Neighborhood Traffic Calming Plan and Traffic Calming Study, North Miami, FL** — Project manager. The City of North Miami retained Kimley-Horn to develop a Citywide Neighborhood Traffic Calming Plan to reduce speeding and cut-through traffic and preserve the character and functionality of residential streets. This traffic management plan is developed to improve safety and quality of life for the City's residents. The study is being conducted in two phases. Phase 1 consists of a feasibility assessment for lowering speed limits on the residential streets from 30 mph to 25 mph. Phase 2 will include the development of traffic calming strategies for select residential streets based on the findings of Phase 1. To date, we have completed Phase 1. There was also a traffic calming study to assess the feasibility of lowering speed limits and the need for traffic calming measures on the following two streets within the City of North Miami: Keystone Boulevard between Biscayne Boulevard and North Bayshore Drive and North Bayshore Drive between Keystone Boulevard and north of NE 123 Street. To date, we have conducted traffic data collection, field reviews, and speed data analysis.

**Traffic Analysis for Nine Intersections, Miami-Dade County Public Works, FL** — Traffic engineer for traffic operational analyses that were performed for the Miami-Dade County Public Works Department as part of the short-term traffic solutions effort for the County's list of congested intersections. During the last quarter of 2005, the County issued a list of 25 intersections and suggested modifications to those intersections. Toward the end of the year, the County assigned nine of the intersections to Kimley-Horn that were within FDOT right-of-way. The County asked that we perform traffic analyses and confirm the suggested modifications within a month (a very accelerated schedule). We completed the task in January 2006 and held meetings with FDOT, who approved the concepts. We also worked on the design of several of these intersections.

**Transportation Enhancement Strategies for Downtown Miami, Miami, FL** — Project engineer for an evaluation of the City of Miami's existing transportation system and development of transportation enhancement strategies for Downtown Miami. A major emphasis area was to identify mass transit options to relieve traffic congestion and support sustainable growth in Downtown Miami. This effort summarized several potential transportation projects to achieve these objectives.

**Broward County South US 1 Bus Rapid Transit (BRT) Improvements Study, Broward County, FL** — Project engineer 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.

**I-95 Interchange Master Plan from South of Hallandale Beach Boulevard to North of Hillsboro Boulevard, FDOT District Four** — Project engineer. Kimley-Horn served as a subconsultant for the I-95 Interchange Master Plan. This project involved a study of the nineteen existing interchanges from Hallandale Beach Boulevard to Hillsboro Boulevard in Broward County. Kimley-Horn was tasked with developing improvements for the six interchanges in Broward County (Hallandale Beach Boulevard, Pembroke Road, and Hollywood Boulevard, Sheridan Street, Stirling Road, and Griffin Road).

# Ali Brighton, P.E.

Traffic/Safety/Signalization



## RELEVANT EXPERIENCE

**Broward MPO On-Call Planning Services (includes Complete Streets Guidelines), Broward County FL** — Task 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). Duties included developing technical content for individual chapters of the manual, ensuring that stakeholder comments were addressed, and preparing the development of the final deliverables. 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 (CDC) and Prevention grant, the Transforming Our Community's Health (TOUCH) initiative, administered by BRHPC. Particular themes that were incorporated into the Guidelines include public health, smart growth, transportation equity, sustainability, placemaking, safety, and age-in-place.

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

**SR 7/US 441 PD&E Study (Sample Road-Glades Road), FDOT District Four, Deerfield Beach, FL** — Project analyst on the Kimley-Horn team that performed a PD&E study for 6.4-mile segment of SR 7 from Sample Road in Broward County to SR 7 in Palm Beach County. The PD&E study evaluated a wide range of alternatives including roadway capacity improvements, multimodal and premium transit alternatives, and bicycle and pedestrian accommodations. Improvements considered included roadway widening, managed lane concepts, High Occupancy Vehicle (HOV) lanes and dedicated premium transit lanes, intersection and operational improvements, and multimodal improvements such as pedestrian ways, bicycle lanes, greenways, and transit stations.

**General On-Call Traffic Engineering Services, Fort Lauderdale, FL** — Project engineer. Kimley-Horn is providing 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. Duties to date have included peer review of traffic impact and parking studies, site plan review, and representation at public hearings. Additional projects have included development of a corridor study to support lane reductions along SR A1A and development of a Greenways Plan to complement multimodal transportation options within the corridor.

**All Aboard Florida – Fort Lauderdale Station, Fort Lauderdale, FL** — Project engineer on the Kimley-Horn team that was retained to assess the impacts of the new train station in the City of Fort Lauderdale along the Florida East Coast (FEC) Railway as part of the proposed All Aboard Florida passenger rail service connecting

## SPECIAL QUALIFICATIONS

**Ali Brighton, P.E.****Relevant Experience Continued**

Miami, Fort Lauderdale, and West Palm Beach. The initial study completed in November 2014 included examining the impacts the station, an at-grade crossing, and an extension of NW 2nd Avenue. The following update to the study utilizes traffic count data collected after the closure of the at-grade crossing and accounts for the access locations of the surface parking lots, proposed parking garage, and the drop-off/pick-up areas.

**City of Fort Lauderdale, Las Olas Boulevard Corridor Improvements, Fort Lauderdale, FL** — Project engineer providing traffic analysis. 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 in order to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard.

**Las Olas Boulevard and Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale, FL** — Project engineer. 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.

**Metropolitan Apartments, Fort Lauderdale, FL** — Project engineer. Kimley-Horn is providing professional engineering services for this mixed-use project that is proposed to include 435 residential units and approximately 27,750 square feet of retail space. Kimley-Horn’s responsibilities include site plan approval, site design and permitting, and civil design services including stormwater collection and routing, paving and grading plans, surrounding parking, and drive areas.

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

**Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood, FL** — Project engineer. 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 was 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.

**New City Hall and Municipal Campus Improvements, Sunrise, FL** — Project engineer. Kimley-Horn serves as lead engineering consultant for site civil design, landscape and irrigation design, hardscape design, traffic and parking studies; garage design, water park design, permitting, and construction phase services. This project consists of a new 100,000-squarefoot City Hall building, a 600-space parking garage, an interactive water park, covered pedestrian connections, and improvements and expansion of existing facilities including an amphitheater.

**Franklin Academy – Grades 6-8, Pembroke Pines, FL** — Project analyst. Kimley-Horn provided traffic engineering services for a charter school development in Pembroke Pines, FL. Tasks included traffic concurrency due diligence, traffic impact analysis, and access/circulation review.

**Pines Boulevard (SR 820) and SW 145th Avenue, Pembroke Pines, FL** — Project engineer for a temporary signal installation at new retail center along Interstate 75. The signal was installed on a temporary basis until interchange modifications are complete. Efforts included signal warrant analysis and guide sign design.



# Mike Russell

ITS/ATMS



## RELEVANT EXPERIENCE

### ***Broward County Advanced Traffic Management System (ATMS)***

***Communications Design, Broward County, FL*** — Assistant project manager and project engineer for Ethernet/IP communications infrastructure, equipment selection, testing of technologies, topology, and architecture development as proof of concept for deployment. The deployment includes 500+ intersections 28, 20+ dynamic message signs, 50+ closed circuit televisions, and fiber infrastructure.

### ***Broward County Signal System Timing Plans, FDOT District Four***

Developed timing plans for more than 400 signals. Duties included data collection TRANSIT-7F calibration, saturation flow studies, vehicle gap studies, flow profile, headway and delay studies, and fine tuning.

### ***I-95 Intelligent Corridor System Planning, FDOT Districts Four and Six***

Assisted in the design of the freeway management software including interface and space requirements. Assisted in the design of the communications infrastructure and the field equipment layout.

### ***I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four***

— ITS designer for four miles of I-75 in Pembroke Pines and Miramar. Kimley-Horn will prepare a PSEMP and is responsible for the design of DMS for general purpose lanes, status and tolling DMS signs for managed lanes, design of CCTVs, MVDSS, Permanent Traffic Monitoring Sites (PTMS), an equipment shelter/communications HUB building, power conductors, generators, and all associated equipment power.

### ***I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four***

— ITS designer for four miles of I-75 in southwest Broward County. Kimley-Horn is responsible for the design of DMS for general purpose lanes, status and tolling DMS signs for the managed lanes, design of CCTVs, MVDSS, power conductors, generators, all associated equipment power, and all supporting underground conduit, pull boxes and splice vault infrastructure.

### ***I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four***

— ITS designer for three miles of I-75 Express Lanes in Miramar. Our design provides for the integration, testing, and implementation of installed ITS components with SunGuide and toll pricing software including D4 devices along I-75 northbound within the D6 I-75/SR 826 project limits, D6 designated devices along I-75 southbound within the Segment A&B project limits, and D4 designated devices along the HEFT.

### ***Fort Lauderdale Executive Airport Telecommunications, Video, and Gate Security, Fort Lauderdale, FL***

— Project engineer for Ethernet/IP telecommunications infrastructure, equipment selection, certification and testing, gate modifications, integration of security technologies, topology, and architecture development as proof of concept and deployment. The deployment includes 28 gate stations, six miles of fiber infrastructure, and 46 CCTV cameras on poles.

### ***Hillsborough Area Regional Transit Authority (HART) Bus Rapid Transit (BRT) North- South MetroRapid Preliminary and Final Design Services, Tampa, FL***

Member of the Kimley-Horn team that provided design services to implement the first BRT project for the Hillsborough Area Regional Transit Agency (HART). The North-South MetroRapid project was the first in the region and a first for Florida's west

SPECIAL QUALIFICATIONS

**Mike Russell****Relevant Experience Continued**

coast. MetroRapid is HART's signature BRT service that provides additional passenger conveniences, including enhanced buses, 10-minute headways during peak hours and 15 minutes during non-peak hours, and traveler information systems. The MetroRapid project spans 17.5 miles of roadway and has 65 signature stations to serve passengers.

**I-95 Golden Glades Interchange ITS Technology Evaluation, FDOT District Six** — Examined the AUTOSCOPE system to identify configuration and communications problems the user was experiencing and implemented solutions.

**I-95 ITS Design-Build Criteria, FDOT District Two** — Project systems engineer who provided technical support on all systems engineering tasks for the design/build criteria package for an ITS along 13 miles of I-95 between I-10 and I-295 South in Duval County. The project included the preparation of base plans and development of functional specifications for detector stations, changeable message signs, closed-circuit television surveillance, fiber-optic communication lines and hubs, and hardware and software for a control center located in the District Two Urban Office. The specifications were also written for use on future ITS projects on other interstate and expressway projects in the Jacksonville area.

**Miami-Dade Advanced Traffic Management System (ATMS), Miami-Dade County, FL** — Project manager for integration and operations of ATMS controller integration, infrastructure upgrade, equipment selection, alpha-test, and deployment. The deployment includes more than 2,700 intersections.

**Miami-Dade ATMS Hybrid Communication System and ATMS Device Design for Kendall Drive, Miami-Dade County, FL** — ITS systems engineer for final design plans for a County-owned, hybrid communications system on Kendall Drive in south Miami- Dade County. This communications system will consist of center-to-field fiber and wireless communications infrastructure, equipment and network elements for communicating with traffic signals at intersections and mid-blocks; CCTV(s) at intersections, mounted on existing support structures; system sensors (traffic flow detection) at intersection approaches; and Bluetooth readers strategically installed along each route.

**Signal Retiming of Corridors, Miami, FL** — Assistant project manager. Kimley-Horn was selected by Miami-Dade County Public Works to retime the traffic signals on four significant corridors: (1) Kendall Drive from SW 157th Avenue to South Dixie Highway; (2) Biscayne Boulevard from the Broward County line to NE 87th Street; (3) Flagler Street from West 118th Avenue to the Miami River; and (4) 107th Avenue from NW 41st Street to Coral Way. These corridors represent some of the most congested corridors in Miami-Dade County, and this project represented the first significant signal retiming effort in many years. The project included extensive data collection, including traffic counts, field reviews, and travel time runs.

**Traffic Signal Migration Plan, Pinellas County, FL** — Systems engineer. During this project, Kimley-Horn provided services pertaining to the development of a migration plan for transitioning County traffic signals from the Metropolitan Traffic Control System (MTCS) to the Mobility Management Information System (MIST). This plan provided for the incorporation within the MIST system of up to 500 traffic signals. These traffic signals comprise on-line and off-line traffic signals. The plan addressed the control sections and communications facilities (identified and/or designed by others) associated with these signals. The migration plan will consist of a report that describes the proposed order of, and methodology to be used, to transition signals from MTCS to MIST in a manner that mitigates and minimizes the negative impact of this migration on traffic operations in the affected corridors.

**US 441 (SR 7) Prospect Road "Breeze" Bus Queue Jumper, Fort Lauderdale, FL** — Systems engineer on the Kimley-Horn team that provided planning and design services for two transit signal priority (TSP) projects in Broward County, including a bus queue jumper lane at the US 441/Prospect Road intersection. We prepared system functional requirements for the queue jumper function. In addition, Kimley-Horn prepared the signal design plan set for this queue jumper demonstration project.

**I-95 Golden Glades Interchange ITS Technology Evaluation, FDOT District Six** — Examined the AUTOSCOPE system to identify configuration and communications problems the user was experiencing and implemented solutions.

**I-95 SunGuide Final Design, FDOT District Six** — Integration engineering who provided post-design services and integration through review of contractor submittals for communications, video, and central computer equipment. Developed wiring schematics for central and field equipment. Also performed integration testing of video switcher, VCR, CCTV, changeable message signs, and ramp meter/detector station controllers.

# Jill Capelli, P.E.

ITS/ATMS



## RELEVANT EXPERIENCE

***Transit Signal Priority (TSP) Implementation, FDOT District Four*** — As project engineer, provided TSP services for FDOT District Four. This project involved approximately 50 intersections along two major corridors in Broward County that were implemented for TSP operation of the 95 Express Managed Lanes project on I-95 in Broward and Miami-Dade counties. The 95 Express Managed Lanes project is a dynamically-tolled operation funded as part of a \$62-million urban partnership grant from the U.S. Department of Transportation. Express buses now shuttle passengers between Broward and downtown Miami within the 95 Express lanes.

***Signal Retiming, FDOT District Four*** — Project manager. Kimley-Horn serves as the District's Signal Retiming consultant. Task Work Order efforts include development of rail signal timing technologies and strategies, identification and development of context sensitive signal timing strategies for Broward County's top congested corridors, and miscellaneous support on other signal timing initiatives.

***I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four*** — Project engineer for the firm's services for this design-build project as a subconsultant to another firm. Services provided include structural plans for retaining walls, toll gantries, and overhead sign structures, signing and pavement marking plans, ITS plans, and post-design and construction phase services. Kimley-Horn prepared a PSEMP and was responsible for the design of DMS for general purpose lanes, status and tolling DMS signs for managed lanes, design of CCTVs, MVDs, Permanent Traffic Monitoring Sites (PTMS), power conductors, generators, and all associated equipment power.

***I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four*** — Project engineer for the firm's services as a subconsultant to another firm. Services included structural plans for Sheridan Bridge, toll gantries, and overhead sign structures, signing and pavement marking plans, ITS plans, and post-design and construction phase services. Kimley-Horn is responsible for the design of DMS for general purpose lanes, status and tolling DMS signs for the managed lanes, design of CCTVs, MVDs, power conductors, generators, all associated equipment power, and all supporting underground conduit, pull boxes and splice vault infrastructure.

***Transportation Investment Generating Economic Recovery (TIGER) Grant Application, Broward County, FL*** — Project manager. Provided a \$54-million grant application support on behalf of Broward County for the County's review and submission to the U.S. Department of Transportation. The application represented an innovative and collaborative effort between the County's Transit and Traffic Engineering Divisions to create a multifaceted project aimed at mutually beneficial gains in system performance, energy efficiency, and benefits to transportation system users.

***Advanced Traffic Management System (ATMS) Communications Design, Broward County, FL*** — Project engineer. This project involved the development of plans, specifications, and estimates for the construction of a countywide fiber optic mesh topology Ethernet/IP communications deployment. Involved in the second phase of the project that included design of signal connections, DMS, cameras, and other control devices. The project also included the development of a System Engineering Management Plan.

## SPECIAL QUALIFICATIONS

**Jill Capelli, P.E.****Relevant Experience Continued**

**US 441 (SR 7) Prospect Road "Breeze" Bus Queue Jumper, Fort Lauderdale, FL** — Project engineer on the Kimley-Horn team that provided planning and design services for two transit signal priority (TSP) projects in Broward County, including a bus queue jumper lane at the US 441/Prospect Road intersection. We prepared a simulation to demonstrate the ability of the queue jumper function to work within the arterial progression of the US 441 (SR 7) corridor. We also prepared system functional requirements for the queue jumper function. In addition, Kimley-Horn prepared the signal design plan set for this queue jumper demonstration project.

**Miami-Dade County, Signal Retiming of Corridors, Miami, FL** — Project engineer for the Kimley-Horn team that was selected by Miami-Dade County Public Works to retime the traffic signals on four significant corridors: (1) Kendall Drive from SW 157th Avenue to South Dixie Highway; (2) Biscayne Boulevard from the Broward County line to NE 87th Street; (3) Flagler Street from West 118th Avenue to the Miami River; and (4) 107th Avenue from NW 41st Street to Coral Way. These corridors represent some of the most congested corridors in Miami-Dade County, and this project represented the first significant signal retiming effort in many years. The project included extensive data collection, including traffic counts, field reviews, and travel time runs.

**Ongoing Services for Intelligent Transportation Services (ITS), Palm Beach County, FL** — As team member, helped with the specifications on the video wall for this project. The Kimley-Horn team designed the layout and communications system required for the Palm Beach County Advanced Traffic Management System. The system includes a spanning tree network for more than 100 IP encoded cameras, video on-demand through the CCTV server, an active display wall with two lines of 12 nominal 70-inch flat screen monitors. The system is operated through one of the 13 operator workstations or through the supervisor's station. The CCTV system is to be integrated into the traffic control system through the common Layer 3 switch.

**Advanced Traffic Management System (ATMS) Phase I, FDOT District Seven** — Project engineer that provided systems analysis and engineering. This project involved the development of an ATMS System Replacement Plan for the citywide system of traffic signals, closed circuit television (CCTV) cameras, and other ITS devices for the City of Tampa to better manage and operate their system. The project included the development of a Master Plan that became the basis for the implementation of the citywide ATMS as part of current and future design phases. The communications network was designed as a new network scheme with redundant paths to incorporate the existing 531 signalized intersections—expanding to a total of 650 future signalized intersections, 125 CCTV camera locations, and 50 Dynamic Message Signs (DMS). The network incorporated existing City of Tampa fiber lines and equipment along with existing wireless and copper communications. The ATMS System Replacement Plan also included a phasing plan and estimated costs for future funding requirements to complete the design, installation, and construction.

**Office of Information Technology Design, Broward County, FL** — Project engineer. Kimley-Horn designed the communications network for the Office of Information Technology (Broward County). We connected the computer network and phone service via SONET and IP for 30 buildings and replaced a \$54,000 per month utility bill for services. To implement the design, we used conduit on FDOT right-of-way for which we developed a memorandum of understanding between FDOT and Broward County. The cost savings to the County was approximately \$400,000, which allowed the project to begin a year earlier than it otherwise would have.

**Palm Beach County Traffic Management System Video Wall Design, Palm Beach County, FL** — Project engineer. Kimley-Horn provided Palm Beach County with plans, specifications, and estimates, and managed the construction of the traffic management center (Vista Center) video display wall, workstations, consoles, and IP digital video system integration. The project included the integration of a BARCO wall, Foundry Layer 3 switch, video on demand, and field cameras through KITS.

**Districtwide ATMS/ITS Consultant Contract, FDOT District Three** — Project manager. Kimley-Horn serves as an ATMS/ ITS consultant for FDOT District Three. Recent services include acting as an extension of District Three staff, support of the Transportation Incident Management program, and providing network support to the District.

**Pompano Beach Airpark Continuing Services (including Runway 15-33 Rehabilitation), Pompano Beach, FL** — Project engineer responsible for providing pavement assessment services for Pompano Beach Airpark in Broward County. Kimley-Horn has provided consulting services to this airport for more than 20 consecutive years. Recently completed tasks include a capital improvement plan update, airfield signage and lighting improvements, Taxiway Lima rehabilitation, Taxiway Mike extension, construction of T-hangars for private fixed based operator, and a five-year pavement maintenance management program.



# Ekaete Ekwere, E.I.

ITS/ATMS



## RELEVANT EXPERIENCE

### ***Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four***

Project analyst for a contract that involved a holistic approach to traffic enhancements in concert with planned roadway construction projects to improve safety of the District's roadways. This contract requires review of ongoing 3R projects, identification of safety-related issues, examination of infrastructure countermeasures and/or potential public marketing/education campaigns, and development of an implementation plan to address the identified deficiency. Tasks included safety studies, 3R safety reviews, road safety audits, an education/marketing campaign to address pedestrian crashes on a major arterial and a needs assessment for a centralized database of traffic volume counts. Other duties include review of fatal crashes, field crash reviews, conflict analysis, safe curve speed studies, spot speed studies, gap studies, parking and pedestrian studies, sight distance studies, signal warrant analyses, intersection and arterial studies, data collection and lighting evaluations.

### ***Transportation System Management and Operations Contract (TSM&O), FDOT District Four***

— Project analyst on a contract for a performance-driven approach to solving congestion and traffic problems in which ITS, signal system control, and other management and operational strategies are used to locate and correct causes of congestion in real-time. The objective of the TSM&O program is to improve the efficiency of the existing transportation network through performance monitoring, active arterial management, integrating freeway management with arterial management; and incident management on both arterials and freeways.

### ***I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four, Fort Lauderdale, FL***

Project analyst. Project includes the replacement/upgrade of existing ITS infrastructure and the deployment of new ITS infrastructure. The objective was to address existing congestion, accommodate future regional growth and development, enhance hurricane and other emergency evacuation, and improve system connectivity between key southeast Florida limited access facilities.

### ***I-95 Interchange Master Plan from South of Hallandale Beach Boulevard to North of Hillsboro Boulevard***

— Project analyst. Kimley-Horn served as a subconsultant for the I-95 Interchange Master Plan. This project involved a study of the nineteen existing interchanges from Hallandale Beach Boulevard to Hillsboro Boulevard in Broward County. Kimley-Horn was tasked with developing improvements for the six interchanges in Broward County (Hallandale Beach Boulevard, Pembroke Road, and Hollywood Boulevard, Sheridan Street, Stirling Road, and Griffin Road).

### ***ITS and Smart Parking System Program Management, Miami Beach, FL***

Project analyst. 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.

## SPECIAL QUALIFICATIONS

**Ekaete Ekwere, E.I.****Relevant Experience Continued**

**Miami Beach Light Rail/Modern Streetcar P3 Program Management, Miami Beach, FL** — Project analyst that assisted with preparation of preliminary design plans for the 4-mile double-tracking for a light rail transit system circulating through the Art Deco District of Miami Beach and providing connectivity between South Beach hotels and the Miami Beach Convention Center. Kimley-Horn served as the prime consultant overseeing the project through development, conceptual engineering, environmental impact analysis, and procurement of a P3 developer that would design, build, operate, maintain, and finance the project.

**Miami-Dade ATMS Hybrid Communication System and ATMS Device Design for Kendall Drive, Miami, FL**

Project analyst for final design plans for a County-owned, hybrid communications system on Kendall Drive between Krome Avenue and the Florida Turnpike, Kendall Drive from the Florida Turnpike to Highway US-1, and for Galloway Road from Kendall Drive to Miller Road in south Miami-Dade County. This communications system will consist of center-to-field fiber and wireless communications infrastructure, equipment and network elements as required for communicating with traffic signals at intersections and mid-blocks; CCTV(s) at intersections, mounted on existing support structures; system sensors (traffic flow detection) at intersection approaches; and Bluetooth readers (strategically installed along the aforementioned routes). To the extent required, center-to-field fiber and wireless communications infrastructure, equipment and network elements include communications conduit, fiber optic cable and infrastructure (pull and junction box, splice vault), communications hub cabinets, and wireless infrastructure and associated ancillary equipment.

**Miami-Dade County Freight Automated Vehicle Pilot Project, Miami-Dade County, FL** — Project analyst on this statewide automated vehicle initiative to plan for the early implementation of autonomous and connected vehicles on Florida's public roadways. The focus of the pilot project was to research the possible issues and benefits this technology will bring to the freight industry. This research followed a three-phase approach to measure, prioritize, and automate portions of the multi-billion-dollar floral delivery supply industry in Miami-Dade County. Phase 1 involved analyzing existing conditions within the County supply chain for the floral industry, initiating stakeholder engagement, and deploying a smart phone connected vehicle applications to collect high-resolution real-time data for performance measurement analyses.

**Districtwide Traffic Operations Studies, FDOT District Six** — Project analyst for a contract focusing on the development of various traffic operations and safety studies for both intersections and arterials within the District. Task Work Orders under this contract consist of traffic operations studies including signal and left-turn phase warrant analyses, data collection, traffic signal and arterial analyses, and safety tasks including fatal crash reviews and high crash site safety studies.

**Districtwide ATMS/ITS Consultant Contract, FDOT District Three, FL** — Project analyst. Kimley-Horn serves as an ATMS/ITS consultant for FDOT District Three. Recent services include acting as an extension of District Three staff, support of the Transportation Incident Management program, and providing network support to the District.

**Bahia Mar Traffic Impact Analysis, Fort Lauderdale, FL** — Project analyst for the Kimley-Horn team that prepared comprehensive traffic impact and parking studies as well as civil engineering services for construction of a 300-room luxury resort hotel, 19,650 square feet of quality restaurant, 37,822 square feet of office use, 30,260 square feet of retail space, 180 high rise co-op units, 19,875 square feet of high-turnover (sit-down) restaurant space, and a 9,775-square-foot spa on property currently owned by the City of Fort Lauderdale, but leased to LXR Luxury Resorts for 99 years.

**Applications of Connected-Automated Vehicles for Miami-Dade Floral Freight Movement, FDOT Central Office**

Project analyst for a demonstration study of the feasibility of using driverless, automated vehicles to deliver flowers from ports of entry in Miami-Dade County to central storage facilities. Phase 1 of the project entails research into existing conditions within the Miami-Dade County floral supply chain, initiation of stakeholder engagement, and the deployment of a smart phone-connected vehicle application (Android/iOS) in approved commercial vehicles to collect high-resolution real-time data for performance measurement analyses. Responsibilities include documenting existing conditions of floral freight, collecting route performance data using the intelligent signal software and mobile applications, system and route performance analysis (trip reliability, average delay, fuel consumption, time-space diagrams), and developing study documentation.

# Eli Perez, E.I.

ITS/ATMS



## RELEVANT EXPERIENCE

**Transportation System Management and Operations Contract (TSM&O), FDOT District Four** — Project analyst responsible for benefit-to-cost calculations and study area requirements for the first arterial traffic management program in the state of Florida. The overall TSM&O contract was set in place to design a performance-driven approach to solving congestion and traffic problems in which ITS, signal system control, and other management and operational strategies are used to locate and correct causes of congestion in real-time. The objective of the TSM&O program is to improve the efficiency of the existing transportation network through performance monitoring, active arterial management, integrating freeway management with arterial management; and incident management on both arterials and freeways.

**Districtwide Traffic Operations Safety Studies, FDOT District Four** — Project analyst for a contract that is performing task work orders ranging from safety studies, safety reviews, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involves in all facets of the contract including field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations, scope development, and subconsultant management.

**Districtwide ATMS/ITS Consultant Contract, FDOT District Three** — Project analyst. Kimley-Horn serves as an ATMS/ITS consultant for FDOT District Three. Recent services include acting as an extension of District Three staff, support of the Transportation Incident Management program, and providing network support to the District.

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

**ITS and Smart Parking System Program Management, Miami Beach, FL**  
Project analyst responsible for serving as the owner's representative for a design, build, operate, and maintain (DBOM) ITS and Smart Parking deployment for the City of Miami Beach. The project currently in the design phase and will deploy cameras, arterial dynamic message signs, vehicle detection, parking occupancy information to communicate real time traffic and parking conditions throughout the City. As part of the project, Kimley-Horn developed a project system engineering management plan, concept of operations, project plan, and procurement documents for a Smart Cities initiative combining ITS and smart parking. Eli is currently assisting the city in coordination and negotiations with the DBOM firm.

**Lincoln Road District Improvements, Miami Beach, FL** — Project analyst. This is an ongoing project with City of Miami Beach for the redevelopment of Lincoln Road Pedestrian Mall. The mall is being redeveloped between Lenox avenue to Washington Avenue. The design included water features, streetscape, and infrastructure improvements. Kimley-Horn is currently providing civil engineering, permitting, traffic signal modifications, and civil engineering design services for this project. This project

## SPECIAL QUALIFICATIONS

**Eli Perez, E.I.****Relevant Experience Continued**

includes the replacement of 8-inch sewer main, 12-inch water main, 24-inch storm pipe, and 30-inch force main along Meridian Avenue.

**City of Miami Transportation Program Support Services, Miami, FL** — On-call project analyst responsible for summary documentation, traffic data collection, and analysis for a contract providing general traffic engineering and transportation planning services for the City. Kimley-Horn served as an extension of the City of Miami staff preparing traffic operations analyses, transportation planning, traffic calming and complete streets improvements; transit planning and operations; geographic information system (GIS)/database management design of street; and parking analysis and design. Specific projects include: Residential Street Speed Limit Reduction Study and SW 30th Road Partial Closure Traffic Analysis.

**Medley Multimodal Mobility Study, Medley, FL** — Project analyst responsible for transit route designs and cost calculations for a project providing civil engineering and planning services to conduct a Multimodal Mobility Study to improve the transportation condition within the town including bicycling, walking, and public transit options. The study identifies specific transit and non-motorized transportation improvements that will become part of work programs for the Town and its transportation partners. Some of the important opportunities that are being addressed in the plan include: improving multimodal connections to the Palmetto Metrorail Station through transit circulator and bicycle facility improvements, improving connectivity to Town Hall, enhancing recreational, social, and learning opportunities by improving connectivity to the Tobie Wilson Recreational Center and Library, and planning for multimodal connectivity in potential annexation areas.

**PortMiami North Cruise Boulevard Traffic and Roadway Study, Miami, FL** — Project analyst. PortMiami is Miami-Dade County's second largest economic engine, contributing \$41.4 billion annually to the local economy and supporting more than 324,352 jobs in South Florida. It is recognized as the 'Cargo Gateway of the Americas' and known worldwide as the 'Cruise Capital of the World.' To maintain this status, PortMiami has several planned improvement projects to facilitate the growth in cruise activity. As part of the North Cruise Boulevard Traffic and Roadway study, Kimley-Horn assessed the roadway capacity to determine if the proposed roadway can accommodate the anticipated circulating cruise terminal traffic associated with Cruise Terminal (CT) B as well as Cruise Terminals A, AA, and AAA taking into account future expansion of passenger count beyond current projects. The first phase of this project is complete with an assessment of roadways surrounding Terminal B and the development of concept drawings with proposed modifications. The second phase is now underway that will include data collection, baseline assessments, future year assessments, development of requirements, hot spot analyses, microscopic simulation analyses, and the development of alternatives for capacity enhancements. Throughout this project, PortMiami benefits from having Kimley-Horn as a consultant who understands traffic and roadways, the complexity of Port Operations (cargo and cruise), and the intricate impacts of Port Security and operations.

**Village Transportation Master Plan, Pinecrest, FL** — Project analyst for the development of a Village wide transportation master plan. Project includes the identification, development, and conceptual design of improvements along corridors and intersections focusing on traffic operations, traffic calming, and multi-modal enhancements. Tasks include operational analysis, future traffic forecasting, improvement design, public outreach and cost estimating.

**2700 NW 2nd Avenue, Miami, FL** — Project analyst. Kimley-Horn is providing professional transportation engineering services for a proposed site redevelopment. The Kimley-Horn team is conducting analyses of the proposed valet, parking, and site plan layouts, as well as providing recommendations for site plan options for valet drop-off/pick-up areas, garage access, additional parking spaces, and traffic flow.

**Coconut Grove Playhouse, Miami, FL** — Project analyst responsible for traffic impact analysis, valet analysis, and entry gate analysis on the redevelopment of the Coconut Grove Playhouse to elevate it once again to its premier cultural status. This redevelopment project will include renovations of the Playhouse, a parking garage, and a proposed compatible development that could include retail, restaurants, and a second, larger theater. Kimley-Horn is providing program verification and master planning, schematic design documents, construction contract documents, bidding, and construction phase services.

# Stewart Robertson, P.E.

## Complete Streets



### RELEVANT EXPERIENCE

***Broward Complete Streets Guidelines, Broward County, FL*** — Served as 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. Particular 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).

***Federal Highway (US 1) Interim and Final Enhancements, Delray Beach, FL*** Project engineer for this award-winning Complete Streets project. This multi-phased project was a pioneer project in the South Florida area which is being studied by various agencies. It was a road diet / lane elimination project on a state roadway on behalf of the City and their Delray Beach Community Redevelopment Agency. It included a study and conceptual design, temporary implementation of the design for a trial period to convince the few opposing stakeholders of the effectiveness of the proposed solution and final design and construction of the permanent improvements for two miles of the US 1 one-way pair in each direction. Kimley-Horn's design reduced north- and south-bound US 1 to two lanes each way and provided on-street parking and bike lanes on both avenues. The improvements encourage slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification and decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new sense of continuity with Downtown area with pavers and decorative crosswalks. Kimley-Horn provided post-design services during construction.

***Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood, FL*** — Served as project manager. 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. 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.

***The Underline, Miami-Dade County, FL*** — Served as 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, a world-class bicycle and pedestrian greenway and urban linear park under the Miami-Dade Metrorail corridor. Improvements included wide

### SPECIAL QUALIFICATIONS



**Stewart Robertson, P.E.****Relevant Experience Continued**

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 U.S. 1 corridor.

**Broward Boulevard Livable Mobility Plan, FDOT District Four** — Served as project manager for the Kimley-Horn team retained by the Florida Department of Transportation (FDOT) to prepare the \$8M grant application for the FTA Section 5309 Bus Livability Program. The Broward Boulevard Livable Mobility Plan consisted of eight components that resulted from cooperation of agency partners to further enhance a regional transportation corridor as part of an integrated livable mobility plan that directly affected the economics of the urbanized area. The corridor was critical to the local economy and regional transportation requirements. Kimley-Horn prepared the grant application, as well as helped coordinate the completion of support letters from all project partners, drafted the project summary and criteria statement, conducted traffic counts, and collected ridership information from trolley, bus, and the Tri-Rail along Broward Boulevard. In response to our efforts, FDOT was awarded the entire sum of the grant.

**Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward County, FL** — Complete Streets expert for preparation of complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Riverside Drive to US 441 (SR 7). Kimley-Horn's design services included roadway design, drainage, lighting, landscaping, irrigation, signing and marking, signalization, utility coordination, FDOT permit, and detailed traffic control plans. Kimley-Horn incorporated the Broward Complete Streets guidelines (also prepared by Kimley-Horn) that were endorsed by the Broward MPO. Our team also provided utility relocation design services for the City of Coral Springs regarding the repositioning of their water and sewer lines and coordinated the relocation of FPL Transmission poles. Existing traffic signals were replaced with mast arm signals. Kimley-Horn is also providing construction phase services. Utility impacts were minimized with innovative drainage design techniques that involved filling in an existing ditch/canal that encroached into existing right-of-way. Kimley-Horn's engineers designed a dry detention area for stormwater attenuation and coordinated with the U.S. Army Corps of Engineers, Pine Tree Water Control District, and SFWMD to develop drainage solutions that avoided the need to acquire additional right-of-way.

**Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL** — Complete Streets expert for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

**Palm Beach MPO Complete Streets Design Guidelines** — Project Manager. Kimley-Horn is currently preparing Complete Streets Design Guidelines for the MPO. Our approach to the Design Guidelines institutes the new paradigm of "proactive" design that is crucial to integrate Complete Streets into transportation projects. This "proactive" design recognizes that the way we design our streets can change behavior of street users; guide users through physical and environmental cues; manage vehicle speeds; encourage walking, bicycling, and public transit use; and embrace the unique place characteristics that surround the street (often referred to as context-sensitive design). Street planning and design engages stakeholders to better understand broader community goals and needs, rather than simply designing the street as a conduit for moving cars. The Complete Streets Design Guidelines are intended for use by practitioners in local governments who are performing transportation planning and/or design work for projects in urban areas of Palm Beach County.

# Jonathan Haigh, PLA, ASLA

Complete Streets, Landscape Architecture



## RELEVANT EXPERIENCE

**15th Street Streetscape, West Palm Beach, FL** — Project manager and landscape architect. Kimley-Horn is currently developing plans for streetscape improvements for 15th Street in West Palm Beach. This streetscape features a full complement of Complete Street elements, such as dedicated bike lanes, on street parking, improved accessibility, street furnishings, and new landscaping. The bike lanes will be emphasized with a green performance asphalt coating. The street also features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter.

**24th and 25th Street Improvements, West Palm Beach, FL** — Landscape architect for the Kimley-Horn team retained by the City of West Palm Beach to provide streetscape improvements in the Northwood neighborhood area. This project is a joint effort between the City of West Palm Beach and the West Palm Beach Community Redevelopment Agency (CRA) to reconstruct each of the two-lane roadways with on-street parallel parking on both sides, thus creating a main street through the District. The project is envisioned as an impetus to spur redevelopment of that District. As such, it required an intensive public involvement program that included residents, merchants, the CRA Advisory Board, and the CRA Board, which is the City Commission. The project included extensive landscape and hardscape plans, renderings, decorative street lights, drainage, signing and marking, and traffic control plans; 24th and 25th Streets were also designated as SR 5 and are owned and maintained by the Florida Department of Transportation (FDOT). Therefore, permitting and close coordination with FDOT were necessary. Due to local agency participation, funding was provided by state and federal governments.

**Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL** — Landscape architect for this award-winning Complete Streets project. Kimley-Horn was retained by the Delray Beach CRA to design permanent improvements to reduce north- and southbound US 1 (NE 6th Avenue and NE 5th Avenue) to two lanes each way and provide on-street parking on both avenues. The improvements encourage slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification and decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new sense of continuity with the Downtown area with pavers and decorative crosswalks.

**Palmetto Park Road Improvements and Downtown Boca Raton Pedestrian Promenade, Boca Raton, FL** — Landscape architect. For this retail district through the downtown area, Kimley-Horn provided full roadway and streetscape design 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, reconstruction of Boca Raton Road with an inverted crown roadway with 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. Improvements along Palmetto Park Road include construction of wider brick paver sidewalks, raised brick paver intersections, lighted bollards, and new decorative street lighting.

## SPECIAL QUALIFICATIONS

**Jonathan Haigh, PLA, ASLA****Relevant Experience Continued**

***Martin Luther King, Jr. (MLK) Drive Beautification, Delray Beach, FL*** — Project manager on the Kimley-Horn team. Provided landscape architectural master planning services for the design of landscape, lighting, and hardscape enhancements for the entire length of Martin Luther King, Jr. (MLK) Drive in Delray Beach. This 1.5-mile corridor will also incorporate MLK commemorative design elements placed in the right-of-way. The design concept included the continuation of an existing sidewalk network; decorative lighting; right-of-way plantings with flowering trees, palms, and other landscaping; a program for live oaks to be planted outside of the right of way; and artwork on existing utility poles. The master plan will also address prioritization and phasing of the proposed improvements with respect to budget. Similar to other community enhancement master plans, public involvement is a key element in the success of this project. The Kimley-Horn team coordinated closely with a committee of community representatives to identify community assets and to solicit their ideas and preferences for incorporation into the master plan.

***Boynton Beach Gateway Enhancements – Welcome Signage, Boynton Beach, FL*** — Project manager. Kimley-Horn provided landscape architecture, structural engineering, signage design, construction plans preparation, and construction observation services to design and construct two “Welcome to Boynton Beach” signs. One sign is located at the north city limits along Federal Highway (just west of Ocean Inlet Drive) and another sign at the south city limits in the median of Federal Highway (just north of Gulfstream Blvd). These beautification and general improvements are part of Boynton Beach CRA's overall plan to improve the City's aesthetic and provide enhanced gateways into the community. The signs were installed in January 2016.

***Hollywood US 1 Corridor Study, Hollywood, FL*** — Project manager of the Kimley-Horn team selected to design a new cross section for a portion of US 1 that would allow for wider medians, improved sidewalk plantings, and extended medians to control access and improve safety through the corridor. In order to accomplish the City's goals for the corridor, Kimley-Horn worked with FDOT to designate this section of the road under their Transportation Design for Livable Communities (TDLC) program. The TDLC designation allows for a more advantageous horizontal clearance that will allow for larger trees to be planted closer to the curbs and paves the way for allowing the design speed of the corridor to be lowered to match the designated speed, which will allow for a typical section to be approved with narrower drive lanes. Kimley-Horn also presented traffic and crash data analysis to determine where medians could be extended throughout the corridor, allowing for more landscape space in medians and creating less crossing turning movements through the corridor for safety. Renderings of proposed development scenarios were worked through with City staff for use in upcoming public presentations

***Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL*** — Landscape architect for the Kimley-Horn team providing the landscape architectural design of streetscape improvements for the Lloyd Estates Residential and Industrial Area Drainage Project. The project comprised of residential streetscape enhancements with trees, palms, new turf, and shrubs in the medians and larger islands. We overcame design challenges in placing and selecting plant material under overhead utilities and providing clear sight and offset clearances from numerous driveways and intersections. Also designed a new irrigation system with new well and pump station, as well as paver sidewalks and crosswalk enhancements.

***Seacrest Boulevard Roadway Improvements, Boynton Beach, FL*** — Landscape architect. This project includes the redevelopment of Seacrest Boulevard from the Boynton Canal to Boynton Beach Boulevard. Our team provided streetscape design, permitting procurement and creation of construction documents for the Community Redevelopment Association (CRA) of Boynton Beach, as well as coordination with the CRA, Palm Beach County Streetscape Division and the City of Boynton Beach. Coordination with the Kimley-Horn roadway team, civil engineer and lighting engineer. To beautify this blighted part of Seacrest Boulevard that currently has no trees within the public right-of-way, special attention was given by incorporating canopy and palm trees, a new sidewalk design, landscaped medians, decorative crosswalks, and street lighting.

***10th Avenue North/6th Avenue South Roadway Enhancement Project, Lake Worth, FL*** — Landscape architect for construction phase. Kimley-Horn developed a series of streetscape beautification guidelines, as well as private sector setback and building massing guidelines for the two primary east/west corridors connecting downtown Lake Worth to I-95. The project consisted of more than 8 miles of streetscape design guidelines, including landscape material, decorative lighting, street furniture, hardscape palette gateway features, intersection layouts, and special signage. The blocks abutting the roadways were studied to provide appropriate setbacks to maximize pedestrian usage along the corridor.

# Lisa Juan, E.I.

## Complete Streets



### RELEVANT EXPERIENCE

***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 TPA Complete Streets Design Guidelines, West Palm Beach, FL***  
Project analyst for development of Complete Streets Design Guidelines to encourage the development of walkable, bikeable, and transit-friendly communities through an integrated approach to planning the County's transportation networks. The TPA's goal is to incorporate Complete Streets elements into all phases of roadway planning, design, construction, and maintenance. Deliverables included 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.

***Palm Beach TPA General Planning Consultant, Palm Beach County, FL***  
Project analyst. Kimley-Horn has served the Palm Beach Transportation Planning Agency (TPA) as General Planning Consultant (GPC) since 2016. Our services on this work order based contract include urban transportation planning, transit planning, complete streets, multimodal corridor studies, safety studies, GIS mapping, and regional coordination. Specific projects completed on this contract include Complete Streets Policy, Transit Development Plan (TDP) Phase 1, Bicycle and Pedestrian Safety Study, Bicycle Suitability Map, Complete Streets Design Guidelines, US-1 Multimodal Corridor Study, and Safe Streets Summit support.

***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.

***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.

### SPECIAL QUALIFICATIONS



**Lisa Juan, E.I.****Relevant Experience Continued**

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.

***Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four*** — Project analyst for a contract that involves a holistic approach to improve safety of the District's roadways. Provided in-house support services to FDOT Traffic Operations staff. Specific duties included review of fatal crashes, downloading of Crash Analysis Reporting (CAR) system, crash data analyses, sight distance studies, signal warrant analyses, intersection studies, and report writing.

***Districtwide Traffic Operations Safety Studies, FDOT District Four*** — Project analyst for a contract that is performing task work orders ranging from safety studies, safety reviews, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involves in all facets of the contract including field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations, scope development, and subconsultant management.

***Districtwide Modal Development Consultant (includes South Florida Regional Freight Plan), FDOT District Four*** Project analyst for a task work order based contract completing a broad range of assignments including design plans reviews, Shared-Use Nonmotorized Trail (SUN Trail) grant application program support, preparing multimodal scoping checklists (MMSC), preparing the Pedestrian and Bicycle Master Plan, creating GIS maps, and creating one-page Fact Sheets related to the different sections of the Office of Modal Development (OMD).

***I-95 Interchange Master Plan from South of Hallandale Beach Boulevard to North of Hillsboro Boulevard, FDOT District Four*** — Project analyst for Kimley-Horn's services on this project as a subconsultant to another firm. Duties included conducting traffic operational analyses, safety analyses, and report writing for this master plan preparing comprehensive traffic operational analyses and developing recommendations for six of the eighteen I-95 interchanges in Broward County. All interchange analyses will be documented in an Interchange Master Plan (IMP).

***Design Plan Reviews, FDOT District Four*** — Project analyst assisting in the review of Design Plans and Technical Reports for multimodal accommodations. Duties include performing an initial review of Design Plan documentation and maintaining a tracking spreadsheet of all reviews performed.

***On-Site Consultant Support, FDOT District Four*** — Project analyst. Provided in-house consultant support for a Traffic Operations contract. Organized status/updates of the top ten pedestrian/bicyclists crash locations. Conducted field reviews of citizen's request for pedestrian/bicyclist facilities. Wrote technical memoranda. Gathered crash data, conducted analysis, and prepared collision diagrams. Attended pre-safety review committee meetings.

***Multimodal Scoping Checklist (MMSC) Services, FDOT District Four, Fort Lauderdale, FL*** — Project analyst working on an effort to develop Multimodal Scoping Checklists (MMSC) for the Department. The support includes the completion of MMSCs for projects identified by the Department's project manager. Duties include data collection, coordination with relevant agencies, compiling responses, and creating a summary report for Design PM review. MMSCs are being prepared to identify multimodal concerns and opportunities within specific project corridors to incorporate improvements into Design project scopes.

***Multimodal Scoping Form Coordination and Support, FDOT District Four*** — Project analyst. Kimley-Horn assisted the Office of Modal Development in administering the Multimodal Scoping Checklist process through collecting data in GIS, coordinating with local agencies, exploring the implementation of an interactive map tool for data that could be used to improve efficiency in the creation of the checklist data maps, and creating a new Complete Streets Handbook.

***PD&E Study for SR 5/US 1/Federal Highway from CR A1A to Beach Road, FDOT District Four*** — Traffic analyst. Kimley-Horn was retained by District Four to conduct a PD&E study for the Jupiter Bridge (No. 930005) on US 1/ Federal Highway between CR A1A and Beach Road in Palm Beach County. Our team is evaluating the following alternatives: 1) Bridge rehabilitation; 2) Bridge replacement, high level, mid-level, low level, includes various alignment alternatives; 3) No-build. The various alignment and build alternatives will include consideration for a temporary bridge, full bridge closure, or phased construction with traffic on existing bridge. Each alternative above will evaluate bringing the bridge up to FDOT standards including options to accommodate pedestrian and bicyclists.



# Leo Almonte, P.E.

Roadway Design/Civil Engineering, Signage/Pavement Marking



## RELEVANT EXPERIENCE

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

**I-595 Corridor Improvements (Zone 5) from West of Pine Island Road to West of University Drive, FDOT District Four** — Served as roadway design engineer. Provided maintenance of traffic plans, and horizontal and vertical design. Firm's responsibilities within this section included roadway, temporary traffic control, drainage, bridge structures, and lighting. This project includes the design-build, finance, operation, and maintenance of the I-595 corridor from I-75 to west of I-95, including two miles of Florida's Turnpike (a total of 10.5 miles).

**I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four** — Project engineer for signing and pavement marking plans for this 3.6-mile segment. Design services included structural plans for retaining walls, toll gantries, and overhead sign structures, ITS plans, and post-design and construction phase services.

**Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four**  
Project engineer for a contract that involves a holistic approach to traffic enhancements in concert with planned roadway construction projects to improve the safety of the District's roadways. Typical assignments include 3R safety reviews, intersection safety studies, lighting evaluations, and road safety audits.

**I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four** — Project engineer for signing and pavement marking plans for this 3.7-mile segment. Design services also included structural plans for Sheridan Bridge, toll gantries, dynamic message signs, traffic cameras, overhead sign structures, ITS plans, and post-design and construction phase services.

**I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four** — Project engineer for 3-mile design-build project from south of Miami Gardens Drive in Miami-Dade County to south of Miramar Parkway in Broward County, including the HEFT interchange. The project will improve I-75's managed lanes network for all motorists and improve mobility, relieve congestion, provide additional travel options and accommodate future growth in the area. Responsibilities for this segment include signing and pavement marking plans, ITS plans development, and post-design and construction phase services.

**SR 710/Beeline Highway Design (East and West), FDOT District Four**  
Project engineer assisting in horizontal and vertical design of roadway, drainage design, and development of traffic control plans. Also prepared the pavement design, pavement type selection reports, drainage structures, and roadway cross sections for both corridors. The eastern project (Project B) provided a four-lane, divided urban

## SPECIAL QUALIFICATIONS

**Leo Almonte, P.E.****Relevant Experience Continued**

highway, and finished construction in May 2014. Project C will also provide a four-lane, divided urban highway. These projects include extensive right-of-way acquisition and coordination with local government.

***I-95 Corridorwide Planning for Operational Deficiencies, US 1 to Broward County Line, FDOT District Six***

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

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

***Alton Road PD&E Study (5th Street to Michigan Avenue), FDOT District Six*** — Project engineer for a 1.5-mile PD&E study in Miami Beach. Assisted with 30% conceptual design plans. The multi-use corridor serves as a gateway to one of Florida's most popular tourist destinations, South Beach. Improvements were developed to address safety, drainage, traffic flow, pavement conditions, bicycle facilities, pedestrian facilities, mass transit, parking, and landscaping. The project included extensive public outreach, including the formation of a project advisory group of affected residents and business owners.

***Districtwide Traffic Operations Studies, FDOT District Six*** — Project engineer for a contract focusing on the development of various traffic operations and safety studies for both intersections and arterials within the District. Task Work Orders under this contract consist of traffic operations studies including signal and left-turn phase warrant analyses, data collection, traffic signal and arterial analyses, and safety tasks including fatal crash reviews and high crash site safety studies.

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

***Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six*** — Deputy project manager for roadway, signalization, lighting, structures and landscape design. Also served as engineer of record for signing and pavement markings plans. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in south and west Miami-Dade County, with a daily truck percentage of 15%. The proposed work for this project includes reconstructing and widening Krome Avenue from a two-lane roadway to a four-lane roadway divided by a grassed median; replacing the C-103 Canal/Mowry Bridge; installing a drainage system; installing lighting; installing guardrail in the median; repaving and restriping the roadway; and modifying access to entrances to enhance safety along the corridor.

***SR 826 Connector at Golden Glades Interchange and Various Ramps, FDOT District Six*** — Project manager. Kimley-Horn is providing drainage, ITS, signalization, lighting, and minor structural design services as a subconsultant to another firm. The Golden Glades Interchange (GGI) provides connectivity to six major arterials and limited access expressway facilities including I-95, SR 826/Palmetto Expressway, Florida's Turnpike, SR 7/US 441, and NW 167th Street. The GGI has a direct impact on inter-county travel between Miami-Dade, Broward and Palm Beach counties and serves as the backbone for the transportation of goods, services, and the traveling public in South Florida. The South Florida Rail Corridor (SFRC) also traverses the interchange area.

# Eric Regueiro, P.E., ENV SP

Roadway Design/Civil Engineering



## RELEVANT EXPERIENCE

### ***Ocean Park Boulevard Complete Green Street Project, Santa Monica, CA***

Project engineer. Kimley-Horn provided construction plans, specifications, and cost estimates to complete the design of the Ocean Park Boulevard Complete Green Street Project. The Kimley-Horn team designed improvements to the Ocean Park Boulevard corridor to provide connections between the neighborhoods on the north and south side of Ocean Park Boulevard and create an inviting environment for residents. In addition, Kimley-Horn designed watershed improvements to help reduce pollutants for urban runoff while also reducing the overall volume of stormwater runoff reaching Santa Monica Bay. Scope of work elements include the addition of three proposed crosswalks and overhead beacons, green bike lane and bike boxes, landscaped medians throughout the length of the project, curb extensions and bio-retention areas strategically placed along Ocean Park Boulevard, permeable paving in areas not within public travelways, traffic calming measures such as landscaped medians, pork-chops and curb extensions, and pedestrian level lighting along the thoroughfare.

Awards received on this project:

- 2014 Community Enhancement - Excellence in Transportation from Caltrans  
2014 Excellence in Transportation Award
- 2014 Outstanding Local Streets and Roads Project Awards Program Winners  
from the 2014 League of California Cities
- 2013 APWA Project of the Year APWA, Southern California Chapter

### ***Alameda Corridor East Construction Authority, Phase II Grade Separations PS&E, Fullerton Road Grade Separation, City of Industry, CA***

Project engineer. Kimley-Horn serves as the primary civil engineer encompassing all roadway design, railroad design/coordination, utility relocations, traffic studies, oversight of the stormwater pump station design, and other site civil related components. The project scope includes alternatives analysis to further develop the preferred alternative in coordination with the previously prepared environmental studies and final design PS&E. Primary project components include lowering two major arterials, an 80-foot-wide embankment to raise the UPRR tracks, two bridge structures (one for UPRR tracks and another to grade separate the adjacent frontage road ; 60- and 72-inch storm drain relocations and stormwater pump station; and major utility relocations (54-inch sewer, 30-inch high pressure gas, 24-inch reclaimed water, electrical transmission lines, etc.).

### ***I-10/Pennsylvania Avenue Interchange Improvements, Beaumont, CA***

Kimley-Horn is providing plans, specifications, and an estimate of probable construction costs for the I-10/Pennsylvania Avenue Interchange Improvement project. Our team is providing engineering services required for Project Approval and Environmental Documents (PA&ED), as well as final design and right-of-way acquisition through the Caltrans Streamlined Oversight Process (SOP). The project expands the Pennsylvania interchange to include a new westbound on-ramp and eastbound off-ramp to complement the existing ramps and create a full interchange.

***Pennsylvania Avenue Widening, Beaumont, CA*** — Project engineer. This project widens and adds two additional lanes to Pennsylvania Avenue between 1st Street and 6th Street in the City of Beaumont. The additional lanes will result in a four-lane major highway per the City's General Plan Circulation Element within these limits. This

**Eric Regueiro, P.E., ENV SP****Relevant Experience Continued**

requires improvements to the existing Union Pacific Railroad (UPRR) at-grade crossing and freeway ramp terminals at the I-10 Freeway. A new tee intersection is provided along the east side of Pennsylvania Avenue for the future extension of 2nd Street. Pedestrian access is provided for the length of the project and impacted intersections will be brought up to current Americans with Disabilities Act (ADA)

**Auto Center Drive Traffic Signal and Median Design, Buena Park, CA** — Project engineer. Kimley-Horn designed a new traffic signal along Auto Center Drive at the Chevrolet Dealership service driveway. Modifications to the existing median were included to allow left-turn movements into the service driveway as well as allow for a pedestrian crossing across the south leg of the intersection. New ADA compliant ramps are proposed at each end of the pedestrian crossing. Coordination with Southern California Edison was included to determine a service point location for the new traffic signal. We were able to meet the City's schedule from developing design concepts to final signed mylar plans in two months.

**Ramona Boulevard at Valley Boulevard Intersection Improvement Project, El Monte, CA** — Project engineer. The City of El Monte intended to improve the arterial level of service and increase vehicular capacity at the Ramona Boulevard/Valley Boulevard intersection by widening and reconfiguring the existing five-point intersection to four-point intersection. The proposed improvements required Right-of-Way acquisitions; geometrical design modifications at Valley Mall to allow for right-in and right-out traffic movement; various utility adjustments/relocations; traffic signal improvements; bus stop and bus shelter relocations; and parkway and sidewalk modifications. The project will result in a complete plan, specification, and cost estimate package for bidding and construction purposes. Project's scope of works includes Right-of-Way acquisition, intersection widening, traffic study and evaluation, traffic safety enhancement, traffic circulation, CEQA, Phase I site assessment, active transportation, community engagement and public outreach, drainage analysis, Water Quality Management Plan, landscape and street amenities.

**On-Call Pavement Rehabilitation/Utility Design, Fontana, CA** — Project engineer. Kimley-Horn has completed multiple task orders under an On-Call Engineering Services agreement with the City for pavement rehabilitation design along five streets (three separate bid packages). Improvements entail pavement replacement and/or overlays according to geotechnical recommendations; replacement of damaged curb and/or gutters; new curb and/or gutters where missing; replacement of damaged sidewalk; replacement of damaged and non-standard driveways; replacement of non-standard curb ramps if affected by adjacent improvements; new curb ramps where missing if affected by adjacent improvements; and reconstruction/resetting of affected private property improvements limited to fences, walls, curb drains, and meters.

**Glassell Ave Left Turn Lanes at Meats and Collins Ave, Orange, CA** — Project engineer. Kimley-Horn was recently selected by the City of Orange to help improve the safety at both Glassell Street at Meats Avenue and Glassell Street at Collins Avenue by adding left-turn phasing in both northbound and southbound directions along Glassell Street as a countermeasure to broadside type crashes. The added left-turn phasing also removes the conflict with pedestrians crossing, as pedestrians can currently only cross with the through movement phase. Scope of work for this project includes survey, signing and striping plans, traffic signal modifications plans, utility coordination, specifications, and opinion of probable construction cost.

**California State University, Long Beach, New Pedestrian Mall and Repairs to North Deukmejian Way, Long Beach, CA** — Project engineer. CSU Long Beach wanted a new pedestrian mall between the Physical Engineering and Engineering Buildings. The project entailed multiple engineering components to reconstruct a pedestrian mall; rehabilitate pavement along the perimeter road (Deukmejian Way); repair concrete damages along the roadway; provide upgrades to meet ADA standards; and replace/upgrade aged utility lines within the area. Roadway improvements along Deukmejian Way will include asphalt concrete pavement replacement, damaged curb and sidewalk replacement, addition of electrical conduits, replacement of the existing storm drain and water main, and the addition of a new sewer main to join the existing campus sewer or stub for future connection to the Los Angeles County Sanitation line. The existing natural gas main from Friendship Walk to Engineering 3 Building will also be replaced. The project was split into three phases to minimize impact on University operations by constructing improvements during the summer months. Pavement rehabilitation included a combination of complete structural section replacement and overlay. Other roadway improvements included realignment, reconstructing curb and gutter to mitigate tree root damages, constructing curb ramps, and reconstructing/upgrading the roadway storm drain system.



# Sean Bukovich, P.E.

Roadway Design/Civil Engineering



## RELEVANT EXPERIENCE

**SR 5/US 1 and SR A1A RRR Design Services, FDOT District Four** — Served as analyst for this 3R project that includes two roadway segments under one contract. The SR 5 (US 1) segment is a 7.5-mile-long, four-lane divided with urban and suburban sections spanning five municipalities. The SR A1A portion is 1/2-mile of two-lane roadway. The project focused on providing continuous bike lanes for the 7.5 mile stretch that connected to different points of interest within the areas including parks and river front. Along with a public involvement program that included four municipalities, the project also involves adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing drainage problems; environmental permitting; signing and pavement markings; replacing a curbed section due to widening; analyzing numerous signalized intersections against current standards. It also included design of a new signal with a special designed low profile light attachment due to FPL power lines.

**Districtwide Minor Projects Design Consultant, FDOT District Four** — Project analyst for this on-call contract acting as an extension of FDOT District Four staff. Our team is providing a variety of services ranging from design and construction plan preparation to providing staff to serve at FDOT offices in any of their different departments on an as needed basis. The projects vary from state to federally-funded and include intersection improvements; signal operational improvements; safety improvements; Resurfacing, Restoration, and Rehabilitation (RRR); scoping of projects; cost estimation; environmental; structural; and utility services. It also includes information technology, architecture, and other services that may include developing concept reports, 3D modeling, and request for proposals (RFP) on design-build projects.

**Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL** — Project analyst for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

**Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward County, FL** — Project analyst on the Kimley-Horn team selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Rock Island

## SPECIAL QUALIFICATIONS



**Sean Bukovich, P.E.****Relevant Experience Continued**

Road to US 441 (SR 7). Broward County and FDOT are sharing in the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans. Helped design relocated force main and water main alignments, create cost estimates for the work, and permit the projects through Broward County.

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

**I-95 Master Plan Broward County, FDOT District Four** — Served as analyst on this project providing preliminary roadway design, critical cross section analysis and preliminary cost estimates using FDOT's LRE system that entails the identification of 6 interchange improvements (all in Broward County). To accomplish this, Kimley-Horn developed a methodology that proposes a two-tier approach to identify and prioritize three interchanges that can advance quickly and have conceptual improvement plans completed by July 2014. The remaining interchange studies were completed at a later date and documented in an Interchange Master Plan (IMP).

**I-95 Master Plan for 17 Interchanges from Linton Boulevard to Northlake Boulevard, FDOT District Four** — Serving as analyst providing preliminary roadway design, critical cross section analysis and preliminary cost estimates using FDOT's LRE system for the 27-mile I-95 Interchange Master Plan for the seventeen existing interchanges from Linton Boulevard to Northlake Boulevard in Palm Beach County, Florida. The primary purpose of the Interchange Master Plan was to identify long-term needs and develop design concepts to address traffic spillback onto I-95, improve interchange operations, reduce congestion, and increase safety at the study interchanges through a 20-year design horizon.

**Florida's Turnpike Canal Protection Project, Palm Beach County, FL** — Served as analyst for the Kimley-Horn team that provided analysis and design of a high-tension cable barrier system to shield vehicles from entering canals along Florida's Turnpike in Palm Beach County. Significant project challenges include drainage, permitting, right-of-way, maintenance, and utility concerns, including the presence of FGT gas mains in the right of way along the eastern edge of the project. In addition, the design of the future widening of the Turnpike in Palm Beach County is simultaneously proceeding with the design and construction of the cable barrier system. Special care was taken to minimize unnecessary costs to the Turnpike.

**I-75 (SR 93) from Hernando County Line to CR 470, FDOT District Five** — Design analyst assisting with various aspects of the roadway plans production, roadway design, summary of quantities, and computation book for this widening project in Sumter County. Kimley-Horn is preparing plans and permits for the widening of 12 miles of I-75 from north of the Hernando County line to south of CR 470. The project includes widening in the median of I-75 and reconstruction of the SR 48 interchange and the northbound off-ramp to SR 476B. In addition, the project includes off-site drainage ponds and right-of-way acquisition.

**Lake Worth Turn Lane at the Florida's Turnpike** — Analyst for roadway design of a new westbound right turn lane at the entrance to the Florida's Turnpike northbound entrance at the Florida's Turnpike. Work included roadway design, drainage design, utility coordination, traffic control, signing and pavement markings, signalization and required coordination with FDOT District Four. The project was on a fast-track schedule to be completed December 2013 utilizing a condensed review schedule.

**Turnpike Widening from Boynton Beach to Lake Worth, Florida's Turnpike Enterprise** — Roadway analyst. Assisted with the evaluation an alternative alignment for the proposed widening of Florida's Turnpike from the existing 4-6 lanes to an 8-lane divided limited access freeway from north of Boynton Beach Boulevard to north of Lake Worth Road in Palm Beach County to avoid major utility lines that run under the existing roadside area between the Florida's Turnpike north bound lanes and the Lake Worth Drainage District (LWDD) E-2E Canal. Helped design two alternatives for a new interchange at Hypoluxo Road. The different alternatives had to take into consideration R/W needs, canal rerouting, and pond configurations, among other constraints. Also helped with cost estimates for the two alternatives to help the team decide which of the two alternatives would be the most viable option.

# Tiffany Stanton, P.E.

Roadway Design/Civil Engineering



## RELEVANT EXPERIENCE

***Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, 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.

***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 ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope 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.

***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

## SPECIAL QUALIFICATIONS

**Tiffany Stanton, P.E.****Relevant Experience Continued**

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.

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

***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 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.

***Port Everglades Turning Notch Expansion, Fort Lauderdale, FL*** — Project analyst. Project consisted of landside excavation and dredging to create additional bulkhead/docking space for cargo ships as well as the reconfiguration of the existing container storage yard and crane rails. Other elements of the project include coastal wetland mitigation (which prompted the construction of another coastal wetland) and the removal of an existing underground refuge area. The container yard reconfiguration included regrading after the removal of the underground refuge area and a completely new stormwater drainage system.

***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.

***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.

# Christopher Niforatos, P.E.

## Resiliency



### RELEVANT EXPERIENCE

#### ***Coastal Resiliency Plan and Comprehensive Plan Updates, Sebastian, FL***

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

#### ***Longboat Key Village Stormwater Master Plan Peer Review, Longboat Key, FL***

Project manager. Conducted a peer review of a master plan that identified adaptation measures to address coastal flooding and provided a summary of modeling parameterization issues that needed to be resolved based on assessing future sea level rise and adaptation refinements for the proposed alternatives.

#### ***City of Tallahassee Community Resilience Plan, Tallahassee, FL***

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

#### ***City of Venice Preliminary Vulnerability Analysis, Venice, FL***

Led the development of a vulnerability assessment of the City's infrastructure with respect to coastal flooding and wind. The infrastructure included five critical lift stations, reverse osmosis water treatment plant, water reclamation facility, and several administrative buildings. Evaluated future sea level projections, rainfall, surge, and wind data and their impacts on designated infrastructure. Developed a matrix to assess criticality of the assets and identified adaptation measures to harden the assets as well as strategies to increase adaptive capacity.

#### ***St. Pete Beach Coastal Resiliency Plan: Funding and Flooding Vulnerability Assessment, St. Pete Beach, FL***

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

#### ***Town of Medley Stormwater Master Plan, Medley, FL***

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

#### ***Townwide Undergrounding of Utilities Program, Palm Beach, FL***

Project engineer. Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller,

### SPECIAL QUALIFICATIONS



**Christopher Niforatos, P.E.****Relevant Experience Continued**

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

**Harbor Acres Alternative Analysis, Sarasota, FL** — Project engineer for the enhancements to the existing stormwater treatment system within the Harbor Acres development. The development was originally designed in the 1940's, and there are currently seventeen outfall pipes of varying size and material. Previous studies revealed that the drainage system is currently deficient for the roads Level of Service (LOS). Kimley-Horn is providing professional engineering services for the modeling and analysis of the original design conditions using 1940 aerial maps. The team is also analyzing and modeling current conditions and "build out" conditions. Alternative analyses are being conducted to identify potential cure plans for failing LOS.

**Jupiter Inlet Colony Neighborhood Rehabilitation (includes septic to sewer), Jupiter Inlet Colony, FL** — Project engineer. Kimley-Horn provided construction management/engineer of record services for the Jupiter Inlet Colony Neighborhood Rehabilitation. The project consisted of a new gravity sewer system and lift station; replacement of existing cement asbestos potable water main; a new stormwater drainage system consisting of 5,500 linear feet of exfiltration trench; and roadway reconstruction. This project was a joint project (developed through an Interlocal Agreement) between the Loxahatchee River District (sewer authority), the Village of Tequesta (water utility), and Jupiter Inlet Colony.

**Lealman Mobility and Complete Street Plan (Linking Lealman Action Plan), Pinellas County, FL** — Technical consultant. Kimley-Horn was retained by Pinellas County to create the Linking Lealman Action Plan to encourage mobility in Lealman with complete street and context sensitive improvements. Participated in stakeholder and public meetings. Met with civic and religious leaders within the CRA to discuss the proposed project, capture their concerns and disseminate information back to the project team.

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

**Lower Bee Branch Bypass Drainage Study, Pinellas County, FL** — Project manager for a study to develop alternatives for a high-flow bypass for the lower Bee Branch to alleviate flooding in the area. The County identified drainage concerns along the project limits. Kimley-Horn is performing a drainage study to identify potential improvements to reduce flooding. Services include data collection, GIS analysis, drainage assessments, alternatives analyses and modeling, and a Final Technical Memorandum.

**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.

**Pinellas County Dunn Ditch Improvements, Pinellas County, FL** — Project manager. Under a master services contract with Pinellas County, Kimley-Horn was retained by the County to evaluate erosion concerns of a drainage ditch at the Dunn Water Reclamation Facility. The sideslopes of the ditch have experienced significant erosion where in some locations the slopes have failed due to a combination of intense stormwater runoff and releases from the hydraulically connected Reclaimed Storage Pond. The ditch is approximately 700 feet long, 8 feet deep and has a top width of 25 feet. Preparing construction documents for the design and the project will include Limited Phase Construction Services.



# Amy Wicks, P.E., LEED AP

## Resiliency



### RELEVANT EXPERIENCE

***Babcock Ranch Community, Charlotte and Lee Counties, FL*** — Project manager and engineer of record for the master development, design and environmental resource permitting of the surface water management system the 26+/- square mile development of regional impact. The goal of the development is to include several sustainable features including enhancing water quality, abating regional drainage issues, and developing the site in a socially responsible manner as to preserve much of the natural habitat. The site presently has obtained conceptual permitting through the SFWMD for the master stormwater management system, and approximately 900 acres have obtained construction and operation permits. The design of the surface water management system includes created wetlands, rain gardens, bioswales, an additional 50% water quality treatment, several water storage basins, control structures to enhance the hydroperiods of existing wetlands, and the addition of a conveyance to alleviate existing flow of SR 31 adjacent to the project. The water quality component of the community was recently featured on PBS NewsHour Weekend Edition hosted by Hari Sreenivasan.

***Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP), Fort Lauderdale, FL*** — Project engineer. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development mast 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.

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

***Del Prado Widening, Cape Coral, FL*** — Del Prado Boulevard was an existing 4-lane arterial road in Cape Coral Florida. This project included the expansion of the roadway to 6-lanes and the development of a stormwater system to treat and attenuate the additional runoff created by the roadway expansion. Ms. Wicks designed and completed environmental resource permitting of the Stormwater management system, including the integration of Rain Gardens as requested by the City of Cape Coral to enhance Surface Water Treatment and provide a linear park feature adjacent to the roadway. With the park feature, the stormwater management system has become an example to the community of how development and the environment can be integrated into one design effort serving both purposes.

***Glades County Stormwater Master Plan, Glades County, FL*** — Provided water resource engineering for a study of the existing stormwater management system and an update of the stormwater master plan addressing aging facilities, water quality, water quantity, future land use. The plan included determining both short- and long-term stormwater needs for the County. Tasks included stormwater facility

### SPECIAL QUALIFICATIONS

**Amy Wicks, P.E., LEED AP****Relevant Experience Continued**

inventory, hydrologic and hydraulic computer modeling, coordinating and attending stake holder meetings, and water quality assessments. The plan addresses areas of deficient data, areas of inadequate drainage, and preparation of a final report.

**Capital Cascades Trail, Segments 3 and 4, Blueprint 2000, Tallahassee, FL** — As a project engineer for the project Amy assisted the project team in assessing the existing water quality throughout the watershed. As part of the assessment, Kimley-Horn used the FDEP Draft Rule for Water Quality Assessment. This same tool was then used to analyze build-out conditions within the watershed as well as to demonstrate the increased efficiency that could be added to the system by using traditional well-placed water management facilities. In addition to the study of traditional water management facilities, a comprehensive study of alternate best management practices (BMPs) was performed to analyze the addition of BMPs such as floating vegetated mats, nutrient removing baffle boxes, automated trash collection systems, and activated media. The assessment of these BMPs was done based on factors such as size, price, maintenance needs, and nutrient removal efficiency. Kimley-Horn worked with the client to weigh each of the assessment factors and determine a score for each of potential BMPs so selections could be easily made, and the addition of new BMPs could easily be assessed in the future.

**Harbor Acres Alternative Analysis, Sarasota, FL** — Project manager for the enhancements to the existing stormwater treatment system within the Harbor Acres development. The development was originally designed in the 1940's, and there are currently seventeen outfall pipes of varying size and material. Previous studies revealed that the drainage system is currently deficient for the roads Level of Service (LOS). Kimley-Horn is providing professional engineering services for the modeling and analysis of the original design conditions using 1940 aerial maps. The team is also analyzing and modeling current conditions and "build out" conditions. Alternative analyses are being conducted to identify potential cure plans for failing LOS.

**Hendry Creek West Branch Water Quality Improvements, Fort Myers, FL** — As project manager and the engineer of record, Amy is recognized as one of the leading engineers in the local community for water quality enhancement design. Amy's team is designing one of the first tidal water quality created wetlands in Southwest Florida. This project will create a stormwater park that will not only provide education to the community about stormwater though interaction but is designed to treat water flowing two directions: from the Gulf and to the Gulf. The innovative design will be a showcase project for water quality improvement in Southwest Florida. Currently, Kimley-Horn is providing continuous flow monitoring and weekly water quality monitoring of the site to gain the necessary design information to meet grant requirements. Kimley-Horn is working with Lee County and FDEP to ensure that the proper supporting documentation is being gathered and reported to FDEP for payment of the 319 grant.

**Naples Central Avenue Improvements, Naples, FL** — Project engineer. As part of the Central Avenue improvements project, Kimley-Horn replaced aged and undersized AC piping on a 10-inch water main. Our team also helped direct a public involvement program with local stakeholders and agency staff to obtain consensus from the community for the approved design concept. Permit coordination was required with FDOT and Collier County for drainage, pavement, and signalization enhancements at the intersections of Central Avenue with US 41 and Goodlette-Frank Road.

**Powell Creek Bypass Water Quality Improvements, North Fort Myers, FL** — Kimley-Horn is providing professional engineering services for the design and permitting of a facility within the Powell Creek watershed that is intended to provide water quality benefits for the community. Tasks include design of a filter marsh with a pumped inflow, alternative analysis of multiple preliminary design concepts, water quality calculations, and an optimization analysis of multiple stormwater scenarios with differing hydrologic and hydraulic characteristics.

**Siesta Key Beach Park, Sarasota County, FL** — Project manager. This project consisted of the redevelopment of a premier oceanfront park. Our team is responsible for the associated environmental services including supplemental conceptual planning, site environmental assessment, coordinating the shoreline profile and wetland survey, habitat assessment/delineation, and the environmental regulatory permitting of this oceanfront park. Project activities required permit approval through two major permit programs at the state level (ERP and CCCL). Given the site history, Kimley-Horn was able to confirm that the FDEP office in Tampa delegated the ERP permitting of this project to the SWFWMD. The CCCL permit was being processed through FDEP's Beaches and Coastal Systems office. This project involved obtaining a variance from the GBSL requirements and waivers to requirements from the FDEP and required coordination with the USACE, (U.S.) FWS and (Florida) FWC. Also included was the rehab of a historic structure, construction of major, non-habitable structures, minor structures, and hardscape improvements. Filling of wetlands and mitigation, and modification of stormwater facilities and ocean outfall were also part of the redevelopment.

# Denise Palmatier, P.E.

## Resiliency



### RELEVANT EXPERIENCE

**SW 10th Street PD&E Study (Sawgrass to I-95), FDOT District Four** — Project engineer for Kimley-Horn's services as a subconsultant to another firm for this politically charged PD&E study in Broward County. The study's goal is to look at options to provide connectivity between Florida's Turnpike, Sawgrass Expressway, and I-95 — three major limited-access, SIS facilities in South Florida. Other goals include enhanced local access for businesses and communities; provisions for multimodal, bicycle and pedestrian facilities; provisions for future express bus service; and design services to increase capacity and eliminate existing operational and safety deficiencies along SW 10th Street.

**Sunnyhill Restoration Area (SRA) Berms Modeling, Marion County, FL**  
Project manager. The Sunnyhill Restoration Area (SRA) is made up of 4,191 acres located approximately 6 miles east of Weirsdale in Marion County. Portions of the Upper Ocklawaha River was channelized in the early 1900s which led to isolated and disconnected portions of the natural Upper Ocklawaha River channel. This project consists of developing a hydrologic and hydraulic model that can be used to evaluate a conceptual design to increase flows through the natural channel. Kimley-Horn is accomplishing these with improvements to internal berms within the SRA that are intended to support the proposed water level increase to elevation 52-55 feet NAVD88 in Areas A-C. In order to meet this objective, the team will first evaluate available data for ICPR model development and model calibration. Watershed delineation will be conducted to identify the drainage basin(s). Stage area relationship for each sub-basin will be defined according to the DEM. Lastly, Kimley-Horn will model for downstream flooding impacts to the area upstream of the outfall to the C-231 canal and downstream of Area E associated with the increased elevation.

**Jupiter Community Park Master Plan, Jupiter, FL** — Project engineer. Kimley-Horn was retained by the Town of Jupiter to conduct a master plan of Jupiter Community Park in association with their Community Investment Program. Our services include data collection, meetings with Town staff and other stakeholders, and developing a master plan document.

**Lake Apopka Marsh Flow Way, St. Johns River Water Management District**  
Project manager for an off-line marsh flow-way comprised of 800 acres of four independent wetland treatment cells providing water quality treatment to Lake Apopka. The scope of work was to determine the short-circuiting areas within each cell and provide plans and specifications to return the area to its original design and configuration. In addition, the project included planting solutions to improve water quality performance of the marsh.

**Denise completed the following projects prior to joining Kimley-Horn:**

**Emergency Operation Center HVAC Improvements, Palm Beach County, FL**  
Lead project manager for the Design and Construction of Trane 156-ton chiller and its associated chilled water piping and the replacement of two existing air cooled condensing units (CAC-1 and CAC-2) and replacement of two existing computer room air conditioning units (CRAC-1 and CRAC-2) with new Liebert condensers and conditioning units. In addition, the existing chiller/condenser enclosure structure modifications which included steel and reinforced concrete to accommodate the new larger equipment. This project also providing modifications to the existing chilled water piping to provide sufficient capacity of chilled water to the three existing Trane

### SPECIAL QUALIFICATIONS

**Denise Palmatier, P.E.****Relevant Experience Continued**

air handlers, three Liebert control room air conditioning units (CRAC-1, 2, &3), two UPS room air conditioning units (UPS CRAC A & B).

***G-251 Restoration Strategies Bolles Canal (L-16) Phase I Improvements, Palm Beach County, FL*** — Lead project manager for South Florida Water Management District for the design and construction of the Bolles East (L-16) Canal Conveyance Improvement Project to improve the capacity of the Bolles East Canal from the Hillsboro to the North New River Canal. Canal conveyance improvements included widening and deepening of the Bolles Canal to improve conveyance south to the STAs. Phase I consisted of approximately 9.0 miles of canal conveyance improvements within the Bolles Canal. located in the Everglades Agriculture Area. Project included coordination with over 15 landowners located within and along the District's existing right of way. Project also included the relocation of the landowners roads and seepage canals that were located within the ROW and move them outside the new canal footprint.

***Dupuis Boardwalk and Overlook, Palm Beach County, FL*** — Lead project manager. This project was located within the 21,875-acre SFWMD Dupuis Management Area and consisted of construction of a 2,762-sq. ft. boardwalk through wetlands and a 12' x 12' (144-sq. ft.) observation platform overlooking a lake. Construction of the boardwalk was accomplished using a value engineering replacement pin pier foundation in lieu of timber pile foundations. This option greatly reduced the impact to surrounding wetlands and resulted in fewer disturbances of the environmentally sensitive areas.

***Short Circuiting Repairs for Stormwater Treatment Area 5 (STA5), South Florida Water Management District (SFWMD), Hendry County, FL*** — Lead project manager for the design and implementation of a restoration project for the mitigation of short circuiting within STA 5. The STA had several lower elevation slough areas that ran through the southern section of Cell 1A. Soil to fill in the slough was removed from a non-effective treatment area of the STA and imported to the lower areas. The project included excavation and transport of 407,000 cubic yards of material and included detailed coordination of District field equipment and staff so the work could be performed with internal resources. The STA and borrow areas were dewatered, a controlled burn was done in the borrow area prior to clearing and grubbing. Material was excavated using several 3 CY excavators and D6 Bulldozers; then transported using (15) - 25 CY articulated dump trucks, and then placed into the short-circuiting deep areas to fill the deep zones. The areas were laser leveled prior to project completion. Project was brought in on time and with a surplus budget of \$400,000, which was used to purchase two new backhoe pieces of equipment for the field station.

***Public Outreach for Stormwater Treatment Areas 5 and 6 (STA 5 and 6), South Florida Water Management District (SFWMD), Hendry County, FL*** — Denise participated as the Project manager for this project working directly with the STA Design Team consisting of scientists, engineers and stakeholders with varying interests in the outcomes of these restoration projects. The design team also included local landowners, environmental groups, the Seminole and Miccosukee Tribe of Indians, various agriculture interests, Florida Department of Environmental Protection, and numerous other County, State and Federal agencies to bring together the consensus of the planning and design of these facilities. This project consisted of a series of constructed wetlands designed to clean stormwater runoff before it enters water conservation areas in Florida's Everglades. STA 5 is a 4,200-acre constructed wetland and STA 6 consisted of 870 acres. STA 5 (4,200 acres) and STA 6 (870 acres) designed to aid in the Everglades restoration and located in Hendry County.

***Stormwater Treatment Area (STA) 5 – Short Circuiting Repairs, Hendry County, FL*** — Lead project manager for South Florida Water Management District for the project management of the design and implementation of a restoration project for the mitigation of short circuiting within STA-5. The Project included excavation and transport of 407,000 cubic yards of material. This effort included the coordination of numerous District field station equipment and staff to perform the work with internal manpower and equipment. Project was brought in on time and with a surplus budget of \$400,000 which was used to purchase new equipment for the field station.

***Engineering and Construction Department, SFWMD, FL*** — Project manager for the design and construction of projects for Everglades Restoration as well as Capital Improvement projects for the Operations and Maintenance Department. Responsible for development of Scopes of Work for Design Projects, negotiations with Engineering Consultants, providing design coordination for internal and external stakeholders. In addition to Project Management for design her responsibilities continued into construction management of these same projects. Duties include meeting with contractors on project schedules, budgets, change order negotiations, pay applications, conduct weekly construction meetings, review of deliverables and submittals and coordination with internal and external district clients and end user groups. Coordinate and investigate warranty items with contractors after project completion.



# Derrick Lewis, P.E.

Resiliency, Stormwater Management and Drainage



## RELEVANT EXPERIENCE

**Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward County, FL** — Project engineer on the Kimley-Horn team selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Rock Island Road to US 441 (SR 7). Broward County and FDOT are sharing in the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

**I-95/Central Boulevard Interchange Design, FDOT District Four** — Drainage engineer. Kimley-Horn is providing professional engineering services for the design of a new interchange based on the development of Location and Design Concept Acceptance (LDCA). The design scope includes roadway design, drainage design, ITS, signalization, lighting, signing and pavement marking, survey, geotechnical, landscape architecture, and utility coordination.

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

**PD&E Study for SR 5/US 1/Federal Highway from CR A1A to Beach Road, FDOT District Four** — Project engineer. Kimley-Horn was retained by FDOT District Four to conduct a PD&E study for Bascule Bridge No. 930005 in Jupiter. Our team is evaluating the following alternatives: 1) Bridge rehabilitation; 2) high-, mid-, or low-level replacement, and various alignment alternatives that include consideration for temporary bridge, full bridge closure, and phased construction with temporary traffic using the existing bridge. Each alternative will evaluate bringing the bridge up to FDOT standards that includes options to accommodate pedestrian and bicyclists. The study effort also includes a public involvement component including public hearing.

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

**Naples Central Avenue Improvements, Naples, FL** — Drainage engineer of record. Kimley-Horn provided streetscape, intersection design, drainage design, lighting design, and multimodal improvements for Central Avenue between 8th Street and Riverside Circle. Roadway improvements included milling and resurfacing,

## SPECIAL QUALIFICATIONS

**Derrick Lewis, P.E.****Relevant Experience Continued**

drainage upgrades to reduce flooding, utility upgrades to increase water main size and add reclaimed water service, landscaping improvements, and signalization upgrades. Responsible for conceptual drainage layouts, swale design, pre- and post-design water treatment calculations, and field reviews to verify drainage conditions. Permit coordination was required with South Florida Water Management District (SFWMD) and Collier County.

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

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

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

***Turnpike (SR 91) All Electronic Tolling (AET) 5A Conversion from I-595 to South of the Lantana Mainline Toll Plaza, Florida's Turnpike Enterprise*** — Drainage design engineer. This project proposes All-Electronic Tolling (AET) conversion of the southern section of the Turnpike Mainline (SR 91) from I-595 to south of the Lantana Toll Plaza. Team responsibilities for this project include lighting design for at multiple tolling locations along the 33-mile section of the Florida's Turnpike and state road connections.

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

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

***SR A1A North Causeway PD&E Study, FDOT District Four*** — Project engineer. The SR A1A North Causeway Bridge is a movable bascule bridge that was constructed in 1963. It spans over the Atlantic Intracoastal Waterway (ICWW) connecting the barrier island to the mainland in the City of Fort Pierce. In March 2013, the bridge was inspected and deemed an "operational area of concern." The purpose of this PD&E Study is to evaluate bridge replacement alternatives to resolve the structurally deficient conditions of the existing bridge and enhance regional mobility for the adjacent area.

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

# Matt Brosman, P.E., CFM

## Stormwater Management and Drainage



### RELEVANT EXPERIENCE

**Stormwater Resiliency Program Pilot Project, Miami Beach, FL** — Served as project engineer on the Kimley-Horn team leading a neighborhood-scale integrated flood modeling task using the 2D capabilities of the Interconnected Pond Routing (ICPR) software as a subconsultant to another firm. The model is a fully integrated 2D surface water and groundwater model, and will include existing conditions, baseline future conditions, and future investment scenarios. This project also will produce a replicable methodology that can be scaled up citywide and used to support future decision-making. Matt led the data collection process and built a GIS database of elements to be used in the model. Matt utilized ArcGIS to help create elements that would make up the model, including the LiDAR digital elevation model, geospatial representation of monitoring station water level data used as the groundwater surface, stormwater infrastructure including manholes, catch basins and pipes, as well as land-use and building layers within the study area.

**Arcadia Watershed Management Plan, Arcadia, FL** — Project engineer on the project team that is providing a hydrologic and hydraulic evaluation of current and proposed conditions associated with the City of Arcadia's existing stormwater management system. The project will establish existing flood stages, establish Flood Protection Level of Service (FPLOS), identify cost-effective drainage improvements through the simulation of various storm events, and estimate resulting floodwater depths. The project will also analyze the City of Arcadia's TMDL's by creating a Pollutant Loading Estimate Simulation that will estimate annual pollutant loading for specific areas based on the event mean concentrations of certain pollutants, annual rainfall depth, and land use. Matt assisted with model calibration based on NEXRAD data and surveyed high water marks from Hurricane Irma. He used GIS to develop an intuitive spatial representation of calibration efforts, which the team used to troubleshoot the calibration process with.

**Boynton Beach Fire Station #1, Boynton Beach, FL** — Project analyst. Kimley-Horn was retained by a local construction company to provide professional services for the proposed Fire Station generally located at the SE corner of Boynton Beach Boulevard and NE 1st Avenue, south of the existing funeral home in Boynton Beach. Services include Conceptual Documents for 15%, 30%, and 75% design plans, including utilities, permitting requirements, stormwater calculations, MEP requirements, master site plan, elevations and floor plans, and preliminary cost estimate. Landscape architectural services include defining the scope of plantings, irrigation, hardscape and site lighting, which shall be developed and coordinated in the execution of design and construction services.

**Boynton Beach Town Square Redevelopment and Infrastructure Improvements, Boynton Beach, FL** — Project analyst. A small public school was built in the growing town of Boynton Beach in 1897 and quickly outgrew it. In 1900, the town built a new school and following its incorporation in 1920, a bond was passed to build a new high school, which was designed by renowned architect William Manly King. The building retains important architectural design elements including the original gymnasium wooden floors. After the old high school spent the past three decades vacant, the City and CRA undertook a renovation project for this historic structure as part of a larger 'Town Square' public and private partnership effort. The building's renovation is nearing completion. As lead engineering designer,

### SPECIAL QUALIFICATIONS

**Matt Brosman, P.E., CFM****Relevant Experience Continued**

Kimley-Horn is responsible for civil engineering design as it relates to stormwater infrastructure and utility improvements, along with miscellaneous consulting services on an as needed basis.

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

**White Rock Creek Master Drainage Plan, Frisco, TX** — For this master drainage plan, Matt managed GIS elements, made site visits, and fully modeled the hydrologic and hydraulic conditions of a three-square-mile watershed using XPSWMM. Also analyzed the storm sewer network of the watershed in existing and ultimate conditions, reviewed the City's stormwater GIS database and record drawings, and made site visits to verify the geometry of the existing storm network. As part of the project, Matt delineated drainage areas for each inflow structure in the watershed and calculated hydrologic and hydraulic parameters using criteria outlined by the City; modeled the storm network, creeks, and regional detention facilities in the watershed using XPSWMM, a comprehensive hydrologic and hydraulic modeling software. Matt also mapped areas of increased flood hazard and identified stormwater structures and locations throughout the watershed that did not meet City stormwater criteria in existing and ultimate conditions. Finally, Matt prepared a report for submittal to the City of Frisco. The master drainage plan has been approved the City.

**Trinity Falls Floodplain Study & Letter of Map Revision, McKinney, TX** — Project consisted of multiple floodplain studies and a FEMA LOMR submittal in support of a 1,700-acre single family development. Matt modeled existing and proposed conditions in HEC-RAS, prepared reports, and worked with the land development group to ensure proposed roads, structures, and walls met local criteria. An approximately 10-mile-long existing condition hydraulic model of the river running through the property was prepared for the Trinity Falls development using HEC-RAS. Matt iterated the design of the fill slope at the edge of the embankment, a bridge crossing EFTR, and five valley storage ponds in multiple development phases. He analyzed the creek for the ultimate development condition of the watershed to ensure the site met City of McKinney water surface and floodplain storage criteria.

**Camp Creek Conditional Letter of Map Revision, Walton County, FL** — Project engineer on the project team developing 2D HEC-RAS models for the flood study of the Camp Creek residential development. The project will provide the framework with which a future Letter of Map Revision (LOMR) can modify the FEMA flood maps to reflect a proposed development. Matt led internal QA/QC efforts on the model and flood study components of the Conditional Letter of Map Revision (CLOMR). He led coordination efforts with Walton County and FEMA and assisted with coordination among internal surface water teams. (added 6/13/19)

**Sam's Club Detention Timing and Floodplain Study, Keller, TX** — For a hydrologic and hydraulic study supporting a commercial development, Matt prepared hydrologic and hydraulic modeling, designed and sized a culvert system for a proposed driveway, and prepared reports. He prepared an existing condition hydrologic analysis of the watershed of Unnamed Tributary using HEC-HMS, estimated hydrologic parameters using aerial topography, imagery, and field visits, and prepared a proposed condition hydrologic analysis of the watershed, using the existing condition model as a base. Matt determined that the timing in the watershed was such that providing stormwater detention for the Sam's Club development would cause an increase in peak flow in Unnamed Tributary in the 2-, 5-, 25-, and 100-year storm events. He then prepared a report detailing the detention timing analysis of Unnamed Tributary for submittal to the City of Keller.

**Gold's Gym Detention Study and Contributing Zone Plan, Cedar Park, TX** — Project consisted of a hydrologic and water quality study supporting a commercial development. Matt prepared a hydrologic and water quality analysis for a site in the Contributing Zone of the Edwards Aquifer. He ensured the site met local and state quality requirements, prepared the application and reports, and coordinated with the land development group to improve an existing water quality basin. He reviewed a previously-prepared hydrologic model and revised hydrologic parameters and drainage areas to reflect the proposed development. Matt designed a modification to the outfall structure of the detention pond to ensure the pond still functioned without overtopping, while still meeting City of Cedar Park allowable release criteria. He then prepared a detention memorandum for submittal to the City of Cedar Park.



# Artem Strunnikov, P.E.

Stormwater Management and Drainage, Signage/Pavement Marking



## RELEVANT EXPERIENCE

### ***University Drive (SR 817) Phase 1A, 2A, and 3A, FDOT District Four***

Deputy project manager for design services related to drainage and signalization improvements for three sections of SR 817/University Drive. The scope of these projects includes milling, resurfacing, and overbuild of the existing roadway, minor widening, enhancement to bike and pedestrian facilities, and lighting design. The project corridor is abutted by residential and commercial properties with numerous underground and overhead utilities running adjacent to the roadway, requiring particular attention in the design process. Approximate length of all three projects is three miles.

***I-95/Central Boulevard Interchange Design, FDOT District Four*** — Drainage design engineer responsible for spread analysis, water quality calculations, and ICPR analysis. Kimley-Horn is providing professional engineering services for the design of a new tight diamond interchange, collector distributor roads, reconstruction of Central Boulevard, widening and addition of auxiliary lanes along I-95. These improvements eliminate existing swales, and require significant right-of-way acquisition. The collector distributor roads encroach over EPB-3C Canal, which requires hydraulic analysis, as well as extensive coordination with NPBCID and SFWMD. Kimley-Horn's scope includes drainage design, permitting, and lighting.

### ***Midway Road (CR 712) Design and Reconstruction, FDOT District Four***

Roadway design engineer for the reconstruction of Midway Road from a two-lane rural roadway to a four-lane, divided urban roadway from west of South 25th Street to east of SR 5 (US 1), for a length of two miles. Provided drainage design assistance including design of drainage structures, outfalls, and back of sidewalk drainage design. The project includes replacement of the existing bridge over the North Fork of the St. Lucie River and will also include retaining walls, drainage ponds, signing, lighting, signalization, landscape and irrigation and wetland mitigation.

### ***SR 710/Beeline Highway Design (East and West), FDOT District Four***

Engineer assisting with preparation of roadway plans for this project that includes the addition of two new lanes to provide a four-lane divided urban section, new stormwater system and a drainage pond. Provided assistance with preparation of pond and drainage cross sections, stormwater pollution prevention plans (SWPPP), and signing and pavement marking plans.

### ***Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six***

Drainage and roadway design engineer responsible for drainage structure design, stormwater pollution prevention plans (SWPPP), modifications to Canal C-103 cross sections, ditch profile plans, shared use path design plans and profiles, and signing and pavement marking plans. Kimley-Horn's services include roadway design, signing and marking, signalization, lighting, structures and landscape design. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in south and west Miami-Dade County, with a daily truck percentage of 15%.

### ***Okeechobee Road (SR 25) from East of NW 87 Ave to NW 79 Ave, FDOT***

***District Six*** — Drainage design analyst for final design services for the reconstruction of a ¾-mile section of Okeechobee Road in Miami-Dade County. Services include widening the existing road to 4 lanes in each direction; widening the NW 79th Avenue

## SPECIAL QUALIFICATIONS

**Artem Strunnikov, P.E.****Relevant Experience Continued**

Bridge over the Miami (C-6) Canal; intersection modifications at NW 95th Street and Frontage Road; relocation of an existing BJ's Wholesale Club entrance and addition of a new free-flow right-turn lane; and new access from the Frontage Road to westbound Okeechobee Road. Kimley-Horn is also responsible for all permitting; structural design; drainage design; signing and marking; signalization; lighting design; ITS system design; and landscaping along the corridor.

**SR 826 Connector at Golden Glades Interchange and Various Ramps, FDOT District Six** — Drainage design engineer providing drainage analysis, pond siting, pond design, and permitting services. He is also providing signalization and lighting design for Kimley-Horn's services as a subconsultant to another firm. The Golden Glades Interchange (GGI) provides connectivity to six major arterials and limited access expressway facilities including I-95, SR 826/Palmetto Expressway, Florida's Turnpike, SR 7/US 441, and NW 167th Street. The GGI has a direct impact on inter-county travel between Miami-Dade, Broward and Palm Beach counties and serves as the backbone for the transportation of goods, services, and the traveling public in South Florida. The South Florida Rail Corridor (SFRC) also traverses the interchange area.

**Districtwide Traffic Operations Studies, FDOT District Six** — Project engineer for a contract focusing on the development of various traffic operations and safety studies for both intersections and arterials within the District. Task Work Orders under this contract consist of traffic operations studies including signal and left-turn phase warrant analyses, data collection, traffic signal and arterial analyses, and safety tasks including fatal crash reviews and high crash site safety studies.

**Florida's Turnpike Mainline Widening PD&E Study and Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise** — Provided maintenance of traffic plans for reconstruction of existing four-lane to eight lane divided expressway that includes a new Interchange and conversion of mainline barrier plaza into full 8-lane open road tolling (ORT) expressway complete with ramp manual tolling. The project encompasses roadway widening, bridge widening and replacements, and 2,500-ft. of a major Lake Worth Drainage District Canal relocation.

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

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

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

**SR 944 (NW 54th Street/Hialeah Drive) Resurfacing (RRR), FDOT District Six** — Project engineer for the Kimley-Horn team providing engineering services for the resurfacing of SR 944/NW Hialeah Drive in Miami. Services include roadway design, signalization, and project coordination. The project includes milling, resurfacing, one new signalized intersection, and modifications to the existing signalized intersections to bring them up to current standards. The project also includes public involvement (public involvement meetings/presentations) and coordination with FDOT District Six PIO.

# George Puig, PLA, ASLA

## Landscape Architecture



### RELEVANT EXPERIENCE

**General Landscape Architectural Services Contract, Miami, FL** — Project manager for the Kimley-Horn team that is providing the City of Miami with landscape architecture services at various project sites throughout the City. Services include the design of landscape architectural components including hardscape, landscape, site furniture, site lighting and irrigation for different project types including parks, streetscapes, and other related urban public realm areas from concept through construction. The contract is being funded through The City of Miami Capital Improvements Program (CIP).

**General Landscape Architectural Services Contract, Palmetto Bay, FL**  
Project manager for the Kimley-Horn team that is providing the Village of Palmetto Bay with landscape architecture services, including the design of landscape architectural components including hardscape, landscape, site furniture, site lighting and irrigation for different project types including parks, streetscapes, and other related urban public realm areas from concept through construction.

**SR A1A Conceptual Design, Deerfield Beach, FL** — Served as project manager responsible for the creation of conceptual plans and streetscape exhibits for hardscape and landscape improvements as part of a PD&E study project for FDOT and the City's CRA for a portion of A1A between SE 3rd Street and NE 7th Street. Key elements addressed during the planning stages included improved aesthetics and pedestrian experience by providing wider pedestrian sidewalks, new landscaped median, elimination of pull-out parking onto A1A, space for outdoor eating, new bike lane, elimination of overhead power lines, and introduction of specialty paving, signage, and site furniture.

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

**South Florida Regional Transportation Authority (SFRTA) General Planning Consultant, FL** — Landscape architect. Since 2004, Kimley-Horn has served as general planning consultant to the South Florida Regional Transportation Authority. Serving as landscape architect for the Downtown Mobility project that is being performed under our current general planning consultant contract with the South Florida Regional Transportation Authority, which operates the Tri-Rail commuter rail service between West Palm Beach and Miami. Tri-Rail is the only existing commuter rail service in Florida. Team responsibilities include data collection, short- and long-range transportation planning, facilities planning and development, alternative analyses and major investment studies, station area/transit-oriented development and oversight, financial planning and analysis, environmental analysis, and conceptual site planning.

**South Miami Intermodal Transportation Plan (ITP), South Miami, FL** — Project manager on the Kimley-Horn team that prepared the South Miami Intermodal Transportation Plan (SMITP). The City of South Miami desired to enhance the existing

### SPECIAL QUALIFICATIONS

## George Puig, PLA, ASLA

### Relevant Experience Continued

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.

***The Underline Master Plan, Miami-Dade County, FL*** — Project manager. The Underline is an iconic bicycle and pedestrian greenway and urban linear park under the Miami-Dade Metrorail corridor. Our services included site analysis, mobility recommendations, transportation safety recommendations, framework plan support, key agency review meetings, and public meeting support. One of the key results of Kimley-Horn's participation in The Underline Master Plan was developing innovative engineering techniques for providing intersection crossing safety; improvements included wide crossings with separate space for bicyclists and pedestrians, innovative pavement markings, colored pavement treatments, and recessed stop bars for motor vehicle traffic to accommodate the wide crossings. Kimley-Horn provided transportation engineering services in the development of two demonstration projects including the "Brickell Backyard" and the "University Colonnade" sections of The Underline.

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

***US 1 Median Landscape, Palmetto Bay, FL*** — Project manager and landscape architectural design lead responsible for developing planting and irrigation designs for the existing US 1 medians between SW 136th Street and SW 184th Street (6 miles and 24 medians.) Planting and irrigation designs will be presented to FDOT for R/W landscape permits.

***Coral Way Medians, Miami, FL*** — Project manager for the conceptual plans, exhibits, and construction drawings of the landscape improvements within 2.5 miles of existing Coral Way medians between SW 12th Avenue and SW 37th Avenue. Key to the design is the preservation of the existing historic Banyan Trees and the integration of proposed shrubs and groundcovers that create an iconic look for this important roadway within Miami-Dade County.

***Washington Avenue Roadway Improvements, Phase II, Homestead, FL*** — Landscape architect for the new construction and widening of Washington Ave from NE 2nd Street to NE 8th Street from a two-lane undivided section to a two-lane divided urban section with parking on both sides. The project included roadway, drainage, signing and marking, lighting, water main extension, landscaping, and irrigation plans, as well as obtaining all required permits, preparation of bid documents, and construction supervision.

***CRA General Services Contract, Margate, FL*** — Current project manager for an on-call, miscellaneous services contract for all project types including streetscape, parks, landscape architecture, and civil engineering professional services.

***Altamonte Springs Gateway Drive Extension Final Design, Altamonte Springs, FL*** — Landscape architect involved with the landscape and streetscape elements of this project, which involved the new construction of approximately one mile of four-lane, divided urban roadway from east of Forest City Road to Keller Road. It also included construction of a new two-lane, urban roadway and widening for auxiliary lanes along Maitland Boulevard and Keller Road. The disciplines involved in this project included roadway, drainage, floodplain, utilities, traffic control, signing/pavement marking, signalization, structural, landscaping, permitting, and right-of-way-mapping.

***Miami River Greenway Design, Miami, FL*** — Landscape architect. Kimley-Horn was retained for the development of a master plan for six sites owned by Miami-Dade County. Two design options were developed for each site and presented to the public and the Miami River Committee for discussion and concurrence for the recommended alternative to proceed with the design phase. Design included site development, drainage, permitting (DERM and FDEP), lighting, structural design new seawalls, and repairs of existing landscape and irrigation. Locations include: SW 2nd Avenue Bridge; 54th Street Metromover Station; Miami Avenue Bridge; Beneath County Metrorail, adjacent to FPL riverwalk; Beneath County Metrorail, adjacent to "Neo Vertika;" and M-D WASD pump station and connection to North River Drive.



# Tricia Richter, PLA, ASLA

## Landscape Architecture



### RELEVANT EXPERIENCE

***Boulevard Design from East of I-95 to US-1, Boynton Beach, FL*** — Landscape architect 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.

***Gateway Enhancements and Welcome Signage, Boynton Beach, FL*** — Landscape architect. Kimley-Horn provided landscape architecture, structural engineering, signage design, construction plans preparation, and construction observation services to design and construct two “Welcome to Boynton Beach” signs. One sign is located at the north city limits along Federal Highway (just west of Ocean Inlet Drive) and another sign at the south city limits in the median of Federal Highway (just north of Gulfstream Blvd). These beautification and general improvements are part of Boynton Beach CRA’s overall plan to improve the City’s aesthetic and provide enhanced gateways into the community. The signs were installed in January 2016.

***Atlantic Boulevard Bridge Decorative Sails and Lighting, Delray Beach, FL*** — Landscape architect for the design and construction of enhancements to the bridge façade, tender house, Jersey barriers, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design/build team will be responsible for complete design, permitting and coordination with the Florida Department of Transportation (FDOT).

***Historic Miramar Complete Streets, Miramar, FL*** — Landscape architect 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.

***15th Street Streetscape, West Palm Beach, FL*** — Landscape architect. Kimley-Horn is currently developing plans for streetscape improvements for 15th Street in West Palm Beach. This streetscape features a full complement of Complete Street elements, such as dedicated bike lanes, on street parking, improved accessibility, street furnishings, and new landscaping. The bike lanes are emphasized with a green performance asphalt coating. The street also features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter.

***Las Olas Boulevard Corridor Improvements, Fort Lauderdale, FL*** — Landscape architect. Kimley-Horn is providing preliminary design, evaluation, and due diligence services for this mixed-use project for the City of Fort Lauderdale Community

### SPECIAL QUALIFICATIONS

**Tricia Richter, PLA, ASLA****Relevant Experience Continued**

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 design of Oceanside Plaza includes space for special events such as festivals and concerts; play areas for children; and a convenient porte-cochere drop off. Kimley-Horn is providing the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

**Altamonte Springs Gateway Drive Extension Final Design, Altamonte Springs, FL** — Landscape analyst on the Kimley-Horn team that provided design, permitting, bidding support, and construction phase services for the Gateway Drive Extension project. This project involved the new construction of approximately one mile of four-lane, divided urban roadway from east of Forest City Road to Keller Road. It also included construction of a new two-lane, urban roadway and widening for auxiliary lanes along Maitland Boulevard and Keller Road. The disciplines involved in this project included roadway, drainage, floodplain, utilities, traffic control, signing/pavement marking, signalization, structural, landscaping, permitting and right-of-way-mapping. This project was permitted through Seminole County, SJRWMD, USACE, FDEP, FEMA, FDOT, and the City of Maitland.

**Intermodal Transportation Plan (ITP), South Miami, FL** — Landscape 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. One of the innovative ideas undertaken for this project was a public meeting on bikes. Some of the improvements included in the Plan are bike paths, neighborhood greenways, sidewalks, crosswalks, on-street bike lanes, buffered bike lanes, enhanced shade landscaping and tree canopies, traffic calming to help make streets safer, and improving the timing for pedestrian crosswalk signals. Kimley-Horn prepared detailed recommendations for pedestrian facilities, bicycle facilities, intersection design, and sustainability. We developed an implementation plan that respects the limits of affordability and provides a strategy that the City could potentially follow to maximize the user benefits.

**SR A1A Lane Reduction and Complete Streets Design, Hollywood, FL** — Landscape architect of the Kimley-Horn team serving the City of Hollywood to help reduce the number of travel lanes 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, buffered 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. Part of the project includes preparation of pilot plans/temporary implementation construction plans (to be permitted from FDOT) to allow the public to experience the lane reduction on a trial basis to test its effectiveness prior to making it permanent.

**Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise, FL** — Landscape architect. 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.

**Civic Center Park Expansion, Miramar, FL** — Landscape architect for Civic Center Park previously known as the Police Benevolent Association Park a 1 acre parcel that was given to the City as part of a Broward County Land Stewardship Program "Park for People" grant to redevelop the site while implementing "green construction" as a neighborhood park. The site is located adjacent to the City Aquatic Park West in Miramar, Florida. As part of the grant program it required that the redesign include green components such as recyclable material, environmentally beneficial landscape practices utilizing native plants, environmentally sound and water saving fixtures, irrigation technologies and interpretation/public education signage. The park improvements included a walking path with exercise stations, a pavilion, playground with tables, landscaping, irrigation, solar powered bollard lighting, a lighted parking lot and surface parking improvements.

# Stephen Feccia, PLA

## Landscape Architecture

### RELEVANT EXPERIENCE

#### ***New City Hall and Municipal Campus Improvements, Sunrise, FL***

Landscape architect. Kimley-Horn serves as lead engineering consultant for site civil design, landscape and irrigation design, hardscape design, traffic and parking studies; garage design, water park design, permitting, and construction phase services. This project consists of a new 100,000-squarefoot City Hall building, a 600-space parking garage, an interactive water park, covered pedestrian connections, and improvements and expansion of existing facilities including an amphitheater.

#### ***Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise, FL***

— Landscape architect. 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.

***Welleby Park Expansion, Sunrise, FL*** — Landscape architect. The City of Sunrise retained Kimley-Horn for improvements to Welleby Park located at NW 44th Street and Hiatus Road within the City of Sunrise. Kimley-Horn will provide conceptual design for two options for the park redevelopment to be presented at a public presentation meeting. Our team will refine the concept design and prepare design plans, including paving and drainage plans, utility plans, and signing and marking plans.

***OB Johnson Park, Hallandale Beach, FL*** — Landscape architect 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.

***Deerfield Station, Deerfield Beach, FL*** — Landscape architect. Kimley-Horn is providing professional engineering services for this mixed-use project that is proposed to include 226 residential units and 12,000 square feet of office and retail space. Kimley-Horn's responsibilities include site plan and plat amendment assistance, site plan traffic impact study, on-site civil preliminary engineering drawings, and landscape architectural services.

***SR A1A Complete Streets Design, Hollywood, FL*** — Landscape architect of the Kimley-Horn team serving the City of Hollywood to help reduce the number of travel lanes 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, buffered bicycle lanes, and designated loading zones; and improved street furniture,

**Stephen Feccia, PLA****Relevant Experience Continued**

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. Part of the project includes preparation of pilot plans/temporary implementation construction plans (to be permitted from FDOT) to allow the public to experience the lane reduction on a trial basis to test its effectiveness prior to making it permanent.

**Historic Miramar Complete Streets, Miramar, FL** — Landscape architect 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 Historic Downtown Revitalization, Miramar, FL** — Landscape architect. 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.

**Monarch Lakes Park, Miramar, FL** — Landscape architect. The Monarch Lakes Park is a passive community park that includes a butterfly garden and walking trail. The City of Miramar retained Kimley-Horn for the development of this 23-acre neighborhood park to serve the City's local residents and surrounding communities. Kimley-Horn provided full consulting services that ranged from conceptual planning to construction phase services and bidding assistance. Scope of services also included repairs to the 6.7-acre Flamingo estates park. Landscape architecture services included planting, irrigation, and hardscape plans. Kimley-Horn managed all required permitting, which included approvals from the South Broward Drainage District (SBDD), Broward County Traffic Engineering, South Florida Water Management District (SFWMD), and the City of Miramar Community Development Department (CDD).

**Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL** — Landscape architect. Kimley-Horn provided civil engineering and landscape architectural design services for this project, which features complete street pedestrian and bicycle enhancements within portions of the Fern Street corridor between Tamarind Avenue and Flagler Drive in Downtown West Palm Beach. The design program includes curbside bioswale planters, pedestrian-level lighting, replacement of portions of existing sidewalk to remediate pedestrian hazards, restriping of the roadway to better organize parking and add a combination of dedicated bike lane and shared-use bicycle markings (sharrows), and decorative crosswalks.

**Woodsprings Suites, Delray Beach, FL** — Landscape architect for the Kimley-Horn team providing landscape and irrigation design for the development of this 5-story hotel. As part of the Woodspring Suites program, Kimley-Horn was selected as the civil engineering consultant for multiple projects throughout the U.S. We have provided services in FL, CO, TX, GA, CA, NC, AZ, MN, WI, and MI. Our scope of work includes preliminary site investigations, entitlements, zoning, site planning, civil and landscape architecture design, permitting, project coordination, subconsultant management, utility easements, and construction administration.

**Martin Luther King, Jr. (MLK) Drive Beautification, Phases 1 & 2, Delray Beach CRA, Delray Beach, FL**

Landscape architect on the Kimley-Horn team. Provided landscape architectural master planning services for the design of landscape, lighting, and hardscape enhancements for the entire length of Martin Luther King, Jr. (MLK) Drive in Delray Beach. This 1.5-mile corridor will also incorporate MLK commemorative design elements placed in the right-of-way. The design concept included the continuation of an existing sidewalk network; decorative lighting; right-of-way plantings with flowering trees, palms, and other landscaping; a program for live oaks to be planted outside of the right of way; and artwork on existing utility poles. The master plan will also address prioritization and phasing of the proposed improvements with respect to budget. Similar to other community enhancement master plans, public involvement is a key element in the success of this project. The Kimley-Horn team coordinated closely with a committee of community representatives to identify community assets and to solicit their ideas and preferences for incorporation into the master plan.



# Tom Whalen

## Signage/Pavement Marking



### RELEVANT EXPERIENCE

#### ***Continuing Services Contract for Utilities and Infrastructure, Hollywood, FL***

Designer. Kimley-Horn has served 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). Our services have included design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

#### ***Seminole Tribe of Florida Hollywood Reservation – 33 Home Sites, Hollywood, FL***

— Senior designer. This project consisted of approximately 33 90-ft. by 105-ft. single-family home sites on the Seminole Tribe Hollywood, Florida Reservation. The project involved working closely with the client's planning staff to determine the maximum development yield for the project. In addition, Kimley-Horn performed earthwork calculations to determine the net amount of cut or fill material required to bring the site to finished grade. We also prepared stormwater management calculations, prepared landscaping and hardscaping plans, prepared electrical conduit and roadway lighting plans, provided green-friendly sustainable suggestions for incorporation in to the design, and prepared specifications sufficient for bidding the project.

#### ***30% Design-Build Documents and Bid Package for Pompano Beach Tri-Rail Station and East Lot Park-n-Ride Improvements, Pompano Beach, FL***

Designer on the Kimley-Horn team that assembled a design-build criteria package for the renovation of an existing Tri-Rail station. Services included the preparation of technical specifications, general and special terms and conditions, cost estimating, 30 percent plans, coordination with architect and team, civil engineering design, initial permitting, and utility coordination letters.

#### ***Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise, FL***

— Designer. 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.

***Sawgrass Mills Mall Parking Deck II, Sunrise, FL*** — Designer. Kimley-Horn is providing civil engineering and parking consulting services to produce Design/Build bridging documents and Request for Proposal (RFP) services for Simon Properties for Deck II at Sawgrass Mills Mall in Sunrise, FL. Deck II will provide the additional mall parking supply required associated with the mall expansion including retail stores and restaurants. The project consists of 2,000 spaces on five levels with valet storage parking on the ground level and visitor and employee parking on the upper levels.

### SPECIAL QUALIFICATIONS

**Tom Whalen****Relevant Experience Continued**

***School Board of Broward County Open-End Services for Landscape Architecture Services, FL*** — Designer. Kimley-Horn has been serving the School Board of Broward County (SBBC) under an open-ended services contract for landscape architecture services. Under the contract, our team has provided services at numerous K to 12 campuses across Broward County, including Hawkes Bluff, Plantation, Plantation Park, Meadow Brook, and Tropical Elementary Schools; Seminole Middle School; and Coconut Creek High School. Kimley-Horn provided an inventory assessment of existing trees and irrigation needs for these schools. The information was then used by Kimley-Horn to prepare conceptual landscaping plans, details, and specifications for landscaping improvements.

***Broward Center for the Performing Arts (Esplanade) (includes renovation/expansion), Fort Lauderdale, FL*** Designer. 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. The existing facility was originally built at raised elevations to ensure that the orchestra pit remained above the water table elevation. Due to these requirements, the site's finished floor elevation was approximately 13 feet above the FEMA flood elevation; this presented additional stormwater modeling challenges to accommodate the facility expansion program while maintaining the existing drainage patterns of the site and adjacent properties.

***Barton Boulevard Streetscape, Rockledge, FL*** — Designer for this \$4.2-million facelift for two miles of Barton Boulevard, from US 1 on the east to Fiske Boulevard on the west. Kimley-Horn provided design services to improve traffic flow, add new decorative lighting and landscaping, contain a landscape median, improve pedestrian movements with new sidewalks and bike paths, upgrade drainage and stormwater management, install new mast arm traffic lights, add new infrastructure, and beautify the heart of the Redevelopment district. Kimley-Horn also worked with a number of agencies, such as the Florida Department of Transportation (FDOT), St. Johns River Water Management District, and the FEC Railway. In addition, the major intersection of US 1 and Barton Boulevard was improved as part of a multi-million dollar FDOT road widening project. The City and CRA have contributed \$1.5 million dollars for project enhancements which included pedway, landscaping, lighting, and wayside stations.

***Deerfield Station, Deerfield Beach, FL*** — Designer. Kimley-Horn is providing professional engineering services for this mixed-use project that is proposed to include 226 residential units and 12,000 square feet of office and retail space. Kimley-Horn's responsibilities include site plan and plat amendment assistance, site plan traffic impact study, on-site civil preliminary engineering drawings, and landscape architectural services.

***Fort Lauderdale Downtown Mobility Hub Streetscape, Fort Lauderdale, FL*** — Designer for Kimley-Horn's design services under a continuing services contract. Kimley-Horn is providing landscape architecture design, planning, traffic engineering, and civil engineering services for the revitalization of the existing streetscape in Downtown Fort Lauderdale. The goal is to create a pedestrian-friendly environment by adding walk/bike lanes and creating separation between traffic and pedestrian spaces—this includes adjusting lane lengths and altering bus lanes. Kimley-Horn is coordinating with various stakeholders (Broward County, Broward County Transportation, Sun Trolley, Brightline Rail) and prepared workshop-style presentations for several streetscape options.

***Fort Lauderdale-Hollywood International Airport (FLL), Terminal 4 Expansion, Fort Lauderdale, FL*** — Designer for the Kimley-Horn team for the replacement of Terminal 4 at Fort Lauderdale-Hollywood International Airport (FLL), which is a phased program to replace the existing Concourse H. The existing Concourse aircraft parking configuration has significant conflicts with the new Runway 9R-27L and the new program will resolve these issues. The program, when complete, will consist of 14 gates that replace the existing 10 gate Concourse H. The new facilities will provide more concessions, passenger amenities, and be a more environmentally-friendly facility than the existing Concourse. Once completed, the project will be the most modern building at FLL.

***Melaleuca Drive Roadway Improvements, Margate, FL*** — Designer. Kimley-Horn provided civil engineering and landscape architectural services for this project to design new sidewalks, accessible crossings, landscape, and provide irrigation improvements for this residential street that connects Atlantic Boulevard to NW 9th Court. The project focused on preserving existing trees and adding pockets of colorful plantings along the sidewalk to create a pleasant pedestrian experience.

# Matt Fursetzer, P.E.

## Street Lighting



### RELEVANT EXPERIENCE

***Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL*** —

Project manager for this award-winning Complete Streets project. This multi-phased project was a pioneer project in the South Florida area which is being studied by various agencies. It was a road diet / lane elimination project on a state roadway on behalf of the City and their Delray Beach Community Redevelopment Agency. It included a study and conceptual design, temporary implementation of the design for a trial period to convince the few opposing stakeholders of the effectiveness of the proposed solution and final design and construction of the permanent improvements for two miles of the US 1 one-way pair in each direction. Kimley-Horn's design reduced north- and south-bound US 1 to two lanes each way and provided on-street parking and bike lanes on both avenues. The improvements encourage slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification and decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new sense of continuity with Downtown area with pavers and decorative crosswalks. Kimley-Horn provided post-design services during construction.

***Boynton Beach Gateway Enhancements – Welcome Signage, Boynton Beach, FL*** —

Project engineer. Kimley-Horn provided landscape architecture, structural engineering, signage design, construction plans preparation, and construction observation services to design and construct two "Welcome to Boynton Beach" signs. One sign is located at the north city limits along Federal Highway (just west of Ocean Inlet Drive) and another sign at the south city limits in the median of Federal Highway (just north of Gulfstream Blvd). These beautification and general improvements are part of Boynton Beach CRA's overall plan to improve the City's aesthetic and provide enhanced gateways into the community. The signs were installed in January 2016.

***SR 5/US 1 and SR A1A RRR Design Services, FDOT District Four*** — Serving as engineer for this 3R project that includes two roadway segments under one contract. The SR 5 (US 1) segment is a 7.5-mile-long, four-lane divided with urban and suburban sections spanning five municipalities. The SR A1A portion is 1/2-mile of two-lane roadway. The project focused on providing continuous bike lanes for the 7.5 mile stretch that connected to different points of interest within the areas including parks and river front. Along with a public involvement program that included four municipalities, the project also involves adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing drainage problems; environmental permitting; signing and pavement markings; replacing a curbed section due to widening; analyzing numerous signalized intersections against current standards. The project also includes preparing a number of design variations and coordination with more than a dozen utility companies.

***Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward***

***County, FL*** — Provided lighting design services for preparation of complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Riverside Drive to US 441 (SR 7). Kimley-Horn's design services included roadway design, drainage, lighting, landscaping, irrigation, signing and marking, signalization, utility coordination, FDOT permit, and detailed traffic control plans. Kimley-Horn incorporated the Broward Complete Streets guidelines (also prepared by Kimley-Horn) that were endorsed by the Broward MPO. Our team also provided

**Matt Fursetzer, P.E.****Relevant Experience Continued**

utility relocation design services for the City of Coral Springs regarding the repositioning of their water and sewer lines and coordinated the relocation of FPL Transmission poles. Existing traffic signals were replaced with mast arm signals. Kimley-Horn is also providing construction phase services. Utility impacts were minimized with innovative drainage design techniques that involved filling in an existing ditch/canal that encroached into existing right-of-way. Kimley-Horn's engineers designed a dry detention area for stormwater attenuation and coordinated with the U.S. Army Corps of Engineers, Pine Tree Water Control District, and SFWMD to develop drainage solutions that avoided the need to acquire additional right-of-way.

***Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL*** — Provided lighting design services for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

***All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise*** — Serves as the lighting engineer of record for the Sawgrass Expressway's conversion from Cash and SunPass tolling to all electronic tolling only. Project responsibilities included preparation of the lighting design analysis report, inspection of existing equipment, preparation of lighting construction plans, and providing post-design services.

***Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four*** — Project engineer for a contract that involves performing safety reviews for planned roadway resurfacing, restoration, and rehabilitation (RRR) projects. Responsible for performing lighting assessments, photometric analysis, and cost-benefit analysis for safety improvements.

***Florida's Turnpike Mainline Widening PD&E Study and Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise*** — Lighting engineer of record for the design of the turnpike mainline widening contract. Kimley-Horn originally performed a PD&E study from north of Boynton Beach Boulevard to south of Lake Worth Road in Palm Beach County. After approval of the study, Kimley-Horn was contracted to design the widening for this section and redesign the Lake Worth Road interchange. In addition to the widening (to eight lanes) of this seven-mile section of Florida's Turnpike, the project also included design of an ultimate express lane toll plaza (open road tolling), which includes eight express lanes at the Lantana Toll Plaza and modification to existing manual lanes. As an interim construction improvement, the design team was also asked by the Turnpike to implement "Open Road Tolling-lite" (ORT-lite), which converted five existing manual lanes to SunPass express lanes. ORT-lite was designed, constructed, and successfully placed into operation in only eight months. The ultimate project also included pavement widening, bridge widening, bridge replacement, relocating 2,500-ft. of a major Lake Worth Drainage District Canal, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS plans for relocating SunNav fiber optic facilities, utility coordination, sound barrier wall design, and complex traffic control analyses and plans.

***I-595 Corridor Roadway Improvement Project (Design, Build, Operate, Maintain), FDOT District Four*** — This project includes the design-build, finance, and operation and maintenance of the I-595 corridor for I-75 to west of I-95, including two miles of Florida's Turnpike (a total of approximately 10.5 miles) in Broward County. Kimley-Horn is also responsible for the roadway lighting design of approximately 8 of the 10.5 miles of the project. As project engineer, responsibilities within this section included lighting design for roadway and structures, and providing post-design services, including review of shop drawings, addressing construction issues, and approving requests for lighting modifications.

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



# Nick Provenzo, E.I.

## Street Lighting



### RELEVANT EXPERIENCE

***Wiles Road Design from Riverside Drive to Rock Island Road, Broward County, FL*** — Project analyst for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. One of the major accomplishments of this segment's design was to work with all stakeholders to avoid issues related to private property impacts given the narrow corridor and proximity of private features. Another major accomplishment was an innovative drainage solution that added new outfalls through City owned property to an existing undersized drainage system to avoid reconstructing the entire Wiles Road system. 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. The project required extensive landscape plans and coordination to resolve issues related to private landscape encroachments into County right of way. Our team provided tree mitigation permit services and coordinated with both County and City forester. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

***Wiles Road Design from Rock Island Road to US 441 (SR 7), Broward County, FL*** — Project analyst on the Kimley-Horn team selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Rock Island Road to US 441 (SR 7). Broward County and FDOT are sharing in the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans. Helped design relocated force main and water main alignments, create cost estimates for the work, and permit the projects through Broward County.

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

***Midway Road (CR 712) Design and Reconstruction, FDOT District Four***  
Project analyst for the reconstruction of Midway Road from a two-lane, rural roadway to a four-lane, divided urban roadway from west of South 25th Street to east of SR 5 (US 1), for a length of two miles. The project includes replacement of the existing bridge over the North Fork of the St. Lucie River and will also include retaining walls, drainage ponds, signing, lighting, signalization, landscaping, irrigation, and wetland mitigation. The corridor is within a historic area and our design will consider right-of-way impacts, impacts to parks and schools, concerns of White City residents, access management changes, flooding and environmental concerns, 4(f) properties, utilities and, possibly, decorative lighting within the historic limits.

## Nick Provenzo, E.I.

### Relevant Experience Continued

**SR A1A Lane Reduction and Complete Streets Design, Hollywood, FL** — Project analyst of the Kimley-Horn team serving the City of Hollywood to help reduce the number of travel lanes 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, buffered 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. Part of the project includes preparation of pilot plans/temporary implementation construction plans (to be permitted from FDOT) to allow the public to experience the lane reduction on a trial basis to test its effectiveness prior to making it permanent.

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

Project analyst 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.

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

**SR 7/US 441 PD&E Study (Sample Road-Glades Road), FDOT District Four** — Project analyst on the Kimley-Horn team that performed a PD&E study for 6.4-mile segment of SR 7 from Sample Road in Broward County to SR 7 in Palm Beach County. The PD&E study evaluated a wide range of alternatives including roadway capacity improvements, multimodal and premium transit alternatives, and bicycle and pedestrian accommodations. Improvements considered included roadway widening, managed lane concepts, High Occupancy Vehicle (HOV) lanes and dedicated premium transit lanes, intersection and operational improvements, and multimodal improvements such as pedestrian ways, bicycle lanes, greenways, and transit stations.

**Turnpike All Electronic Tolling (AET) 5A and 5B Conversion, Broward and Palm Beach Counties, FL** — Project analyst for the conversion of the existing tolling scheme along the Turnpike to all electronic tolling (AET). The current system uses a combination of ramp toll plazas and mainline barrier toll plazas. FTE's goal is to incorporate a mainline gantry configuration whereby existing ramp toll plazas are removed and mainline tolling points between each interchange are constructed.

**Districtwide Traffic Operations Safety Studies, FDOT District Four** — Project analyst for a contract that is performing task work orders ranging from safety studies, safety reviews, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involves in all facets of the contract including field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations, scope development, and subconsultant management.

**I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four** — Project analyst for the firm's services for this design-build project as a subconsultant to another firm. Services provided include structural plans for retaining walls, toll gantries, and overhead sign structures, signing and pavement marking plans, ITS plans, and post-design and construction phase services.

# Casey Long, P.E.

Structures/Sea Walls



## RELEVANT EXPERIENCE

**Riviera Beach Marine Center, Travel Lift Pier and Bulkhead, Riviera Beach, FL**  
Marine structural engineer. As part of the Clients expansion program Kimley Horn was retained to provide upland and waterside improvements including paving, grading drainage, utility and Marine Structural engineering. Casey was responsible for the structural engineering design of two 150-foot travel lift piers and the approximately 500 linear feet of steel sheet pile bulkhead.

**Nine Island Condominiums, Marina Dock Replacement and Seawall Repair, Miami Beach, FL** — Responsible for senior structural engineering consulting on the repair of the existing seawall and the full replacement of the existing timber boardwalk and marina docks destroyed after Hurricane Irma.

**Port of Palm Beach, Maritime Office Building Demolition and Paving (Cargo Yard Development), Riviera Beach, FL** — Civil engineer. As a subconsultant to another firm, as part of the Port of Palm Beach's plan to demolish the existing five-story Maritime Office Building. The existing FPL overhead power lines and AT&T transmission lines were determined to need to be relocated underground to provide adequate clearance for container handling equipment and stacking. As part of this project Casey was responsible for assessing undergrounding power and communications lines require to be placed underground and providing coordination and consulting services to Client for the undergrounding of these facilities.

**Port of Palm Beach Master Plan, Riviera Beach, FL** — Responsible as a subconsultant to another firm, for the coordination and completion of the Master Planning Processing through the Port Commission and Palm Beach County Commission.

**Port of Palm Beach, Slip No. 1 and Main Marginal Crane Loading Assessment, Riviera Beach, FL** — Structural engineer. As a subconsultant to another firm, Kimley-Horn provided a preliminary structural assessment for new cranes at Slip No. 1 and the Main Marginal Wharf Bulkhead. The Port's tenant is looking to replace the current second-generation crane type with a third-generation crane. Part of the assessment included gathering manufacturer's data on the cranes, review of the existing construction drawings and design calculations of the bulkhead, and analysis of the existing bulkhead and seawall.

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

**Berth 1 Bulkhead Replacement, Port of Palm Beach, Riviera Beach** — Project manager and structural engineer. Responsible for analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.

**Casey Long, P.E.****Relevant Experience Continued**

**General Consulting Contract, Port of Palm Beach, Riviera Beach, FL** — Program manager and lead engineer for a general port consulting contract at the Port of Palm Beach. Tasks include marine structural engineering, site civil, utilities, parking, electrical and other consulting requirements.

**Annie's Dock, Palm Beach, FL** — Marine structural engineer that served as a senior consultant on the marine aspects of the repair and restoration of Annie's Dock on the North End of Palm Beach Island. Repairs and restoration included the removal of damaged concrete caps, the elevating of the existing structures, the refurbishment of the existing metal walkways damaged during Hurricane Irma.

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

**PortMiami North Cruise Boulevard Traffic and Roadway Study, Miami, FL** — Port operational analysis lead. PortMiami is Miami-Dade County's second largest economic engine, contributing \$41.4 billion annually to the local economy and supporting more than 324,352 jobs in South Florida. It is recognized as the 'Cargo Gateway of the Americas' and known worldwide as the 'Cruise Capital of the World.' To maintain this status, PortMiami has several planned improvement projects to facilitate the growth in cruise activity. As part of the North Cruise Boulevard Traffic and Roadway study, Kimley-Horn assessed the roadway capacity to determine if the proposed roadway can accommodate the anticipated circulating cruise terminal traffic associated with Cruise Terminal (CT) B as well as Cruise Terminals A, AA, and AAA taking into account future expansion of passenger count beyond current projects. The first phase of this project is complete with an assessment of roadways surrounding Terminal B and the development of concept drawings with proposed modifications. The second phase is now underway that will include data collection, baseline assessments, future year assessments, development of requirements, hot spot analyses, microscopic simulation analyses, and the development of alternatives for capacity enhancements. Throughout this project, PortMiami benefits from having Kimley-Horn as a consultant who understands traffic and roadways, the complexity of Port Operations (cargo and cruise), and the intricate impacts of Port Security and operations.

**Welleby Park Expansion, Sunrise, FL** — Structural engineer. Responsible for the structural design of a timber observation dock to be constructed on the existing lake and a concrete gravity wall at Welleby Park. As an accessory to the dock a new concrete gravity wall was also required and designed.

**Civil Engineering Consultant, Portsmouth, VA** — Structural engineer. Responsible as a support engineering on this program providing structural engineering support to the team in which Kimley-Horn's responsibilities under this contract encompass a wide range of civil engineering services including roadway improvements that may involve drainage, utility and transportation; development services such as feasibility studies, concept plans, and site plans; overall planning and design for neighborhood improvements; recreational facility improvements; marine-type waterfront improvements; and water resources projects. Additional project areas can include construction management of municipal construction projects including contract administration and inspection for the purpose of contract compliance. Tasks may also include special inspections, constructability analysis, and reviews.

**Casey worked on the following projects prior to joining Kimley-Horn:**

**Port Everglades Cruise Terminal No. 4 Expansion – Port Everglades Dept., Broward County, FL** — Project manager and structural engineer, Responsible for the coordination, management and overall planning for the Modification to Cruise Terminal No. 4 at Port Everglades. Modification includes creation of a new to 2-3-acre parking area as well as expansion of interior cruise operations and conversion of existing warehouse into a cruise facility. Overall building is 70,000 SF. In addition to Project Management role, will serve as Structural Engineer of Record on the project.

**Slip No. 3 (old Slip No. 2) - Remediation and Renovation Program Management, Port of Palm Beach, Riviera Beach, FL** — Project manager. Responsible for the general program, planning and Client Management for this study to renovate Slip No. 2 at the Port of Palm Beach. Focus of study is to create more berthing space and upland area by renovating a nearly 60-year-old slip. Project value once completed will be near \$40 million.



# Angelina Fairchild, P.E., LEED AP

Structures/Sea Walls



## RELEVANT EXPERIENCE

**North Ocean Boulevard Seawall Replacement, Palm Beach, FL** — Structural engineer responsible for the evaluation of the existing condition of the seawall for the Town of Palm Beach along North Ocean Boulevard. Due to revised coastal loads, the age of seawall, and its interaction with an existing beach access tunnel, the decision was made to replace the existing seawall by driving new steel sheetpiles in front of the existing concrete wall. Permits from FDEP and USACE were required. Kimley-Horn developed the construction drawings for the seawall replacement and overall roadway corridor improvements. We also assisted the Town with bidding and provided construction observation services. The project upgraded the corridor along the beach including approximately 1,600 linear feet of seawall replacement, drainage, and pavement.

**Ocean Seawall Picower Residence, Palm Beach, FL** — Structural engineer. This project consisted of permitting, designing, and overseeing construction of approximately 400 linear feet of steel sheetpile seawall with a cast-in-place concrete cap along the Atlantic Ocean. The purpose of the wall was to retain the edge of the property and prevent erosion of the backyard into the ocean. Kimley-Horn also restored existing beach access with a removable stair. Upland amenities included a gazebo, walking paths, and steps. What was unique about this seawall is that the installation used a Giken pile driver, which is a self-guided pile driven system that anchors onto the seawall and “walks” itself along the piles to install the adjacent sheetpiles. This was selected because of access issues and vibration concerns due to the historic age of the house.

**Annie’s Dock, Palm Beach, FL** — Senior structural reviewer. Kimley-Horn provided professional engineering services for the marine aspects of the repair and restoration of Annie’s Dock on the north end of the Town of Palm Beach. Repairs and restoration included the removal of damaged concrete caps, the elevating of the existing structures, and the refurbishment of the existing metal walkways damaged during Hurricane Irma.

**SR 80 PD&E Study and Final Design, FDOT District Four** — Structural engineer for the design of a 3.5-mile segment of SR 80 consisting of an eight-lane, divided cross-section and two urban interchanges. A bridge over I-95 is being replaced with a new 10-lane structure. The project also includes the replacement and widening of three bridge structures over adjacent canals, and one railroad overpass replacement.

**The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL** — Structural engineer of record responsible for the design of a post-and-panel cantilevered concrete sheetpile wall to replace a similar tie-backed system. The total length of the new seawall is approximately 750 linear feet, with a maximum exposed height of eight feet. Design challenges included connections to adjacent seawalls, the presence of an existing outfall that had to be maintained, scour considerations, and permitting by both SFWMD and USACE. Responsibilities also included performing construction services including a shop drawing review and site inspections as the structural inspector. The site is currently being developed as a 22-story luxury condominium complex and construction is currently underway.

**Bridge Rehabilitation Project, Deerfield Beach, FL** — Structural engineer. Evaluated seven existing residential bridges for the City. The project included comparison of FDOT bridge inspection reports with existing field conditions. Based

## SPECIAL QUALIFICATIONS

## Angelina Fairchild, P.E., LEED AP

### Relevant Experience Continued

on these comparisons, Kimley-Horn recommended additional repairs needed, provided cost estimates, and prioritized repair projects. Additionally, Kimley-Horn prepared plans, specifications, and oversaw the implementation of the repairs.

***Atlantic Boulevard Bridge Decorative Sails and Lighting, Delray Beach, FL*** — Project engineer for the design and construction of enhancements to the bridge façade, tender house, Jersey barriers, lighting, artwork on bridge façades, land-based lighting, existing seawall improvements, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design/build team was responsible for complete design, permitting and coordination with the Florida Department of Transportation (FDOT).

***Deerfield Beach International Fishing Pier, Deerfield Beach, FL*** — Project engineer for the Kimley-Horn team that provided engineering services for preliminary design, final design, and construction services for a 1,000-foot municipal fishing pier in Deerfield Beach. Our services included collection of bathymetry data, wave hindcasting analysis, wave and loading analysis, structural design, and complete permitting services required from the Florida Department of Natural Resources, the U.S. Army Corps of Engineers, and the Florida Department of Environmental Regulation. Also included was a breakwater analysis for the proposed offshore dumping of construction debris from the existing fishing pier.

***Beach Road Water Control Structure Rehabilitation, Sanibel, FL*** — The City of Sanibel owns and maintains a storm water conveyance and management system that includes water control structures operated by sluice gates. The Beach Road Water Control Structure (BRWCS) is part of the system draining an area south of Periwinkle Way and East of Donax Street to San Carlos Bay. The BRWCS structure was built circa 1992 of reinforced concrete with two 72" x 60" flush bottom sluice gates and an adjacent weir basin. As the project manager for Kimley-Horn, coordinated and oversaw the team that performed an in-depth inspection of the BRWCS both, above water and underwater to determine and document the attributes of each defect such that repair/rehab plans and bid documents could be prepared. Following the presentation of these findings, as the engineer of record, lead the engineering team that developed a Repair Protocol Manual, Plan details, and specifications suitable for construction and bidding to repair the deficiencies and restore the structures. Recently submitted proposal to provide post-design and construction phase services to the City.

***Fisher Island Ferry Terminal, Miami, FL*** — Structural engineer responsible for the design and plan preparation for the modifications and permitting of the seawall extension adjacent to the ferry landing on MacArthur Causeway. The seawall is part of a larger project that includes site development, a new service road, and parking access. Kimley-Horn was retained by Fisher Island Community Association for the proposed development of a parking garage and improvements to the existing ferry terminal vehicle loading/unloading area. Kimley-Horn developed various alternatives for the ferry terminal vehicle loading area aimed at facilitating the egress of the vehicle from the loading area and their access to MacArthur Causeway. As part of the design process, the Florida Department of Transportation and Kimley-Horn worked closely to evaluate each option working towards a set of full construction plans inclusive of driveway modification plans, drainage plans, and a traffic signal modification plan. The selected option involved realignment of the egress road, which also triggered a modification to an existing seawall and required permitting. The development of the parking garage was on an adjacent parcel. The development of the site involved the design of access roads to the parking for ingress and egress, site drainage, and water/sewer services for the garage which was programmed to have small office space for rental purposes. The design of the access drives was closely coordinated with a second existing ferry to allow the connection of the access drive to the ferry loading area.

***Miami Beach Convention Center, Miami Beach, FL*** — Structural engineer responsible for the design and plan preparation for the modifications and permitting. The Miami Beach Convention Center is bordered to the north by the Collins Canal. The City of Miami Beach is proposing improvements to the convention center which will include the canal. The canal has been stabilized by an existing seawall whose cap is less than 2 feet above mean high water level and tidal waters periodically overtop the wall. Prior to improvements, the seawall was also in various stages of failure, with approximately 200 feet of the wall having completely failed. The City retained the services of Kimley-Horn to perform a preliminary assessment of the canal's seawall. These services consisted of an alternatives analysis for rehabilitating the wall, as well as a general approach to providing stormwater management to the area surrounding the convention center. The alternatives also took into consideration the City's desire to save as many of the existing trees as practicable which lay between the canal and convention center. The selected design alternative resulted in structural services associated with the project for the design of the Collins Canal edge stabilization and a secondary floodwall. Project construction is nearing completion and our team has provided construction phase services.

# Kevin Schanen, P.E.

## Stormwater Pump Stations



### RELEVANT EXPERIENCE

**Lift Station (LS) 13 Rehabilitation, West Palm Beach, FL** — Kimley-Horn was retained by the City of West Palm Beach for the addition of a new electrical room and associated improvements at this lift station in West Palm Beach. In March of 2011, LS 13 experienced a significant failure which prompted the City to re-evaluate the layout of the existing electrical room in this master pump station, which serves a large portion of the downtown area. Kimley-Horn is now designing a new electrical room that will replace all electrical components of the building and place them at an increased elevation to avoid future flooding problems. An evaluation of the existing pumps is also being performed to determine if the station can be converted from a triplex to a duplex station once the City begins to bypass flow from LS 5. Kimley-Horn is performing the design of the bypass piping, new landscaping, a new bridge crane, overhead door to aid in operations and maintenance, as well as the design of submersible actuators in the dry pit.

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

**Indian River County Utilities West Transmission 24-inch Force Main, In-Line Pump Station, Vero Beach, FL** — Project engineer for the design of an in-line pump station from an existing master pump station to divert wastewater capacity from their South Regional Wastewater Treatment Facility to their West Regional Wastewater Treatment Facility. This approach not only addressed their master planning efforts, but eliminated odor issues at the existing facility, allowed planned rehabilitation at the existing pump station, and provided much more flexibility in diverting wastewater to either of their facilities. This project involved the development of a sewer rehabilitation and replacement facilities plan required as part of the application process for a State Revolving Fund (SRF) loan.

**Indian River Plantation Connection and Sewer System Hydraulic Analysis (project aka Water and Wastewater Conversion), Martin County, FL** — Project engineer. With Martin County's (MCU) purchase of the Indian River Plantation (IRP) water and sewer system from Utilities, Inc., the Kimley-Horn team helped developed a scope to integrate IRP's sewer system to meet Martin County standards and connect a new master pump station to MCU's consolidated sewer system. The scope of services consisted of reviewing the existing sewer system data, topographic survey, design, preparation of drawings and specifications, decommissioning a wastewater treatment plant, regulatory agency permitting, and bidding assistance for the diversion of wastewater from the existing IRP WWTP to the MCU consolidated sewer system. We conducted hydraulic modeling, evaluation of alternate system improvements, route evaluation for a new force main, and preparation of costs for the proposed improvements. Environmental services included seagrass surveys, biological resource evaluations, and environmental permitting applications and coordination with FDEP and USACE.

### SPECIAL QUALIFICATIONS

**Kevin Schanen, P.E.****Relevant Experience Continued**

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

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

**North Bay Village 16-inch Force Main Route Evaluation Report, North Bay Village, FL** — Project engineer for the Kimley-Horn team that developed a force main route evaluation report for the City's force main system. The City's existing sub-aqueous 12-inch force main system was old and deteriorating and required replacement. The proposed 16-inch force main from the City's main pump station was evaluated to determine the most beneficial route either to the east with a connection point located in the City of Miami Beach or to the west with a connection point in Miami-Dade County. The proposed force main route included both open-cut and horizontal direction drill (HDD) segments for either approach. The evaluation process included coordination with stakeholders and permitting agencies that had jurisdiction and/or influence over the project to identify requirements, concerns, and obtain feedback pertaining to issues that affect the permitting, design, construction, schedule, and cost of the proposed project. The final force main route evaluation report addressed stakeholders' issues, permit feasibility, project timeframes, preliminary opinions of probable cost, and a recommendation to proceed with the preferred route. The report also included proposed connection points, overall pipe lengths, construction methods, pipe material, and known or potential issues and constraints for each route including environmental issues.

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

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

**D-9 Stormwater Pump Station and Collection System 60-inch Piping, Palm Beach, FL** — The design included selection of two electric submersible pumps to replace the existing hydraulic pumps, design of concrete wetwell and RCP outfall pipe rehabilitation, design of a new mechanical building to house electrical and mechanical support equipment, conversion of an existing FPL transformer vault to a new electrical room, design and selection of two new emergency generators, design of new ventilation and sound attenuation systems, SCADA system design, and design of other associated improvements. A unique aspect of this project was that the existing station was kept on line during the construction of the improvements by installing a temporary MCC building to house the electrical and control equipment while the existing mechanical/electrical room was torn down and rebuilt in the same footprint. Designed the rehabilitation improvements for the 60" RCP outfall pipe by specifying a spray on epoxy liner that could be applied to wet concrete. This innovative approach was a first of its kind application of this epoxy product and has performed well over several years of service. Provided construction phases services consisting of site review, progress meeting participation, and field engineering.



# Jason Lee, P.E.

## Stormwater Pump Stations



### RELEVANT EXPERIENCE

***Western Emergency Water Distribution Interconnect for Town of Jupiter and Seacoast Utility Authority, FL*** — Project manager. Kimley-Horn performed the design, permitting, and bid phase services for the installation of approximately 800 LF of 10-inch water main and an aboveground dual meter interconnect located in a fenced gravel compound located in the County right-of-way. The improvements listed above required extensive coordination with the two utility systems and Palm Beach County to determine the best route and location for the interconnect. This project also included the design of a 12-inch HDPE water main crossing the Donald Ross Road right-of-way utilizing the horizontal directional drilling method. (Location: Jupiter, Florida; Client: Town of Jupiter; Contact: Amanda Barnes, P.E. 561-741-2537; Project Completed: July 2014; Cost: \$266,000) (Note: This is a potable water distribution and transmission project)

***Conceptual Master Plan for SR A1A Corridor Improvements, Palm Beach County, FL*** — The project includes improvements along the A1A corridor between Beach Road and US 1. Provided master planning and engineering to address underground utilities and relocate all overhead utilities underground. The utilities through the 80-foot-wide corridor included the relocation of a 10-inch water main and 8-inch force main, installation of a 4-foot by 4-foot exfiltration trench, an existing 8-inch vitrified clay gravity sewer to remain, Florida Power & Light duct bank and easement, Comcast Cable duct bank, and ATT duct bank.

***Fuel System Improvements, Palm Beach, FL*** — Project engineer for the design of improvements for 27 aboveground and below ground fuel storage sites within the Town to achieve compliance with the 2009 Florida Department of Environmental Protection (FDEP) rules and regulations. This project included an evaluation of the existing system, as well as the design of the overall improvements and tank replacements required to meet the regulations. Responsibilities included the fuel piping design, tank selection and completion of contractor bid drawings which were also used for permitting. Responsibilities during construction phase services included shop drawing review, responses to contractor RFIs, field observations, coordination with onsite inspector, start-up of each fuel system, review of project record drawings, and project certification for permits.

***IQ Storage Pond, Martin County, FL*** — Project engineer for the construction phase services of the 5-MG irrigation quality water storage pond for South Martin Regional Utilities. The project included 20,000 cubic yards of excavation, 71,000 square feet of geomembrane installation, and the installation of two concrete wetwells.

***South Martin Regional Utilities (SMRU) General Repairs and Improvements, Martin County, FL*** — Provided heatload calculations and HVAC equipment selection for three of the buildings at the South Water Treatment Plant.

***South Martin Regional Utilities (SMRU) Western Wellfield Improvements, Martin County, FL*** — Project engineering for the project which included the design of a new LP generator that replaced an existing diesel generator that provided power for the South Martin Regional Utility western well field. The design also included sizing three underground propane tanks for extended generator run times.

### SPECIAL QUALIFICATIONS

## Jason Lee, P.E.

### Relevant Experience Continued

**South Martin Regional Utilities (SMRU) Utilities Inspection Services, Martin County, FL** — Provided construction observations on behalf of the utility on all public utility and private development projects within the South Martin Regional Utility service area during the summer of 2006.

**South Martin Regional Utilities (SMRU) Hurricane Response and Repair, Martin County, FL** — Provided emergency engineering services to South Martin Regional Utility immediately after the passing of the 2004 and 2005 hurricanes. Services included structural and condition assessments of all SMRU-owned structures and property. Prepared repair plans and specifications to address items damaged by the hurricanes.

**Verizon Wireless, Florida** — Project analyst. Provided engineering services such as site planning, permitting and zoning, and site development for over 50 sites.

**MetroPCS, Florida** — Provided engineering services for over 300 sites in the South Florida market and over 75 sites in the Tampa market. Services included planning, design, permitting, and zoning for ground and rooftop sites.

**D-14 Stormwater Pump Station, Palm Beach, FL** — Project manager and engineer of record responsible for the design and construction phase of the D-14 Stormwater Pump Station. Responsibilities during design phase included the leading the design of the structural modifications to the pump station building, wetwell, bulkhead, pump hoist system, building mechanical systems that include generator fuel system, generator ventilation, generator exhaust system, generator sound attenuation and building ventilation. Responsibilities during construction phase services included shop drawing review, responses to contractor RFIs, field observations, coordination with onsite inspector. This project includes replacement of four existing 62 cfs electric submersible pumps, wetwell and discharge pipe improvements, construction of a new mechanical building, conversion of an existing FPL transformer vault to a new electrical room, installation of a new emergency generators, new ventilation system, upgraded sound attenuation, and other associated improvements. This station is situated between an existing residential property and the Society of the Four Arts so noise and aesthetic concerns were paramount in the design. The project is currently in the construction bidding phase.

**Conversion of Indian River Plantation Sewer System for Martin County Utilities, Sewalls Point, Hutchinson Island, Jensen Beach, Ocean Breeze Park, FL** — Martin County Utilities purchased the Indian River Plantation Water and Sewer (IRPWS) Company Utility Systems from Utilities, Inc. In order to meet MCU's goals and objectives of consolidating privately held utilities and to provide regionalized service, the water and wastewater treatment components of the Indian River Plantation facilities was decommissioned and taken out of service. Kimley-Horn performed extensive water modeling, pump station testing, and coordination with the County to determine the best route and the impacts to the existing system to serve Indian River Plantation. The study found that the connection would require approximately four miles of force main, upgrades to four lift stations, new triplex pump stations at the Indian River Plantation wastewater treatment plant (WWTP), and another at Ocean Breeze Park. Kimley-Horn performed the design, permitting, bid phase, and construction phase services for the installation of approximately 18,200 linear feet of 12-inch sewer force main, two new triplex sanitary lift stations each equipped with 175-kW generators), improvements and upgrades to four existing lift stations, and the decommissioning of the existing WWTP located at Indian River Plantation. Kimley-Horn worked closely with Martin County Utilities to develop a phasing plan that was ultimately used to maintain service during the construction of the force main, rehabilitation of the four existing lift stations, and the construction of two new lift stations. The lift stations within the project have a total pumping capacity of 4.9 MGD. This project also included the design of a 12-inch force main subaqueous crossing of the Indian River utilizing the horizontal directional drilling method.

**A-39, A-41, A-42, and A-43 Wastewater Pump Station Generator Replacements and Upgrades, Palm Beach, FL** Project manager for the design of generator replacements and service upgrades to four 1960s-era wastewater pump station sites ranging in size from 125 kW to 200kW. Three of the units were outdoor installations requiring sound-rated weather enclosures. The interior unit required custom-designed sound attenuation and ventilation systems. At the A-39 site, we also re-designed the replacement of the 30-year-old air compressor station which serves six air ejector stations. The new air compressor station uses two 40 HP rotary screw compressors, a new 1000-gallon pneumatic tank, and new piping and instrumentation. Additional services included redesign of the air piping systems and electrical service upgrades. All improvements were designed to meet updated hurricane wind load requirements.



**Soheila Sadough, PE**  
Senior Structures Engineer/Project Manager

**Years of Experience: 28**

**AREAS OF EXPERTISE**

Project Management  
Structures Design

**EDUCATION**

PhD, University of Miami,  
(1988)  
M.S.C.E, University of  
Alabama (1983)  
B.S.C.E. University of  
Alabama (1981)

**REGISTRATIONS**

Florida PE No. 44130

**CERTIFICATIONS**

FDOT Specifications Training

**AVAILABILITY**

75%

Ms. Sadough's experience ranges the full spectrum of civil engineering. Her structures related experiences ranges from curved structural steel to precast post-tensioned concrete members. Her significant design contributions have encompassed all project phases, from preliminary design and Bridge Development Reports to final design, peer review, value engineering, and post design services. In addition, Ms. Sadough has served in the role of Project Manager and Engineer-of-Record for a multitude of high profile FDOT projects requiring the full gamut of considerations ranging from Major Highway/Interchange Design Projects to bridges over railroads, airports, and major Florida waterways. Ms. Sadough's comprehensive knowledge of FDOT design guidelines, criteria, and policies will minimize District staff review efforts. She is intimately familiar with the requirements to successfully and efficiently execute a project from start to finish and has a proven track record of managing projects of all sizes.

**SR 9/I-95 Spanish River Blvd. Interchange Improvements Design-Build Project I FDOT D4**

- This Design-Build project with Astaldi Construction provide access to and from NB and SB I-95 as well as Yamato Road to Spanish River Boulevard which will improve access to FAU campus and relieve traffic on the adjacent Glades Road & Congress Avenue Interchanges. The project requires extensive coordination with FAA, CSX and other local agencies. Ms. Sadough is Structures EOR & Project Manager responsible for all design and coordination with FDOT and the contractor during the various phases of plans preparation and is providing construction support services during construction. Contact: Ronald Wallace, PE, FDOT D4 (954)777-4641

**I-4 Ultimate Design-Build Project I FDOT D5** - ASA, as a Subconsultant to A2B, is performing quality control of plans & design calculations for Area 2-Downtown bridges. Contact: Paul Steijen PE, A2B, 813-249-2220

**MDX 836 Operational Capacity and Interchange Improvements I MDX** - ASA serves as a sub to EAC. This project involves widening, reconstruction, milling and resurfacing along the 836 Corridor. ASA role on this project is assisting EAC with their structural review. Contact: Abid Hadrous, PE, EAC, 954-714-2000

**SR 5/US-1 Bridge Replacement Design-Build Project I FDOT D4** - This Design-Build project with Johnson Bros. involved the replacement of four low level continuous cast-in-place deck bridges founded on pile bents with new FIB structures carrying US-1 over Lake Worth Creek in the town of Jupiter. The project involved phased construction to minimize disruption to vehicular, waterborne, and pedestrian traffic. Ms. Sadough was Project Manager responsible for all design and coordination with FDOT and the contractor during the design and provided construction support services. Contact: Henry Oaikhena, PE FDOT D4 (954)-777-4445

**SR5/US1 Reconstruction & Widening Design-Build Project I FDOT D4** - Ms. Sadough was the Structural Engineer of record for this design-Build project with Community Asphalt involving the replacement of existing bridges over FEC RR & Old Dixie Highway. Contact: Bob Forand, PE, BCC (954) 644-2533

**SR836 Infrastructure Modifications for ORT East Section I MDX** - Design build project with Condotti to provide the necessary infrastructure modifications to support the ORT conversion of SR 836 between NW 62nd Avenue and I-95 and all the civil work. As subconsultant to Jacobs, Ms. Sadough Performed peer review for the special wing gantry. Contact: Sybille Bayard, PE (305)645-3992

**Soheila Sadough, PE**

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**NW 25St. Viaduct, Miami-Dade County I FDOT D6** - Cost Savings Initiative for project located within the Miami airport Glide Path involving the change of drilled shaft to 24" prestressed Concrete piles & change of North Line canal bridge (2400 LF) to pipe culvert. Contact: Dari Vorce FDOT D6 (305) 640-7412

**I-595 Reversible Lanes Design-Build project I FDOT D4** - As a subconsultant to AECOM on this high-profile \$1.3B Design-Build project, Ms. Sadough led BHA's structural design effort. The extensive external coordination required with the design teams of the multiple adjacent Zones makes Ms. Soheila particularly adept at proactively resolving issues in full FDOT compliance within the condensed timeframes specific to the Design- Build arena. Contact: Saul Perez, P.E. (786) 556-3320

**SR-9(I-95) Design-Build Bridge over Box Culvert South of 45th Street I FDOT D4** - This Design-Build project with Hubbard Construction Company involved the construction of new 60 foot single span Modified AASHTO girder bridge over an existing quadruple box culvert. Permit coordination was critical to this project, involving both the South Florida Water Management District and the North Palm Beach County Improvement District. Ms. Sadough was the Structural Project Manager responsible for all design aspects and construction support services during construction. Contact: Jim Hughes, FDOT D4 (954) 777-4419

**SR 826/SR 836 Interchange Section 5 Design-Build I FDOT D6** - The SR 826 / SR 836 Interchange is a 4-level System-to-System Interchange with direct connectors that provide for traffic movements in all directions between the two expressways next to Miami International Airport. As subconsultant to BCC on this high-profile \$558M Design-Build project, Ms. Sadough performed peer review of all Category 2 Structures including four high-level segmental ramp bridges. Contact: Danny Raymat, P.E. (305) 670-2350

**I-95 / Palm Beach International Airport Interchange I FDOT D4** - Ms. Sadough was the Structural Project Manager responsible for all design aspects and construction support of a four level interchange with eight precast concrete segmental box girder bridges and six steel plate girder bridges over I-95 & CSX Railroad. Contact: John Danielson, PE (954)331-0195

**Ft. Lauderdale/Hollywood International Airport Interchange I FDOT D4** - As prime design consultant on this \$95M Design-Build project, Ms. Sadough served as Senior Bridge Engineer for the complete structural design and load rating of post tensioned pre-cast segmental box girder bridges traversing US-1 and the FEC Railway. Contact: John Danielson, PE (954)331-0195

**Miami Intermodal Center (MIC) / Miami International Airport (MIA) Interchange I FDOT D6** - Developing Master Plan and Preliminary Roadway & Bridge Plans for this multi-billion dollar program comprised of both Airport and roadway services facilities. MIC is proposed to serve as a regional transportation hub as well as an extension of the Airport's ground transportation network. Contact: Ali Toghiani, P.E. (305) 714-4038

**Sawgrass Expressway / National Car Rental Center (NCRC) Interchange I Turnpike** - this new southbound ramp utilizes a flyover to connect the Panther's hockey arena directly to the Sawgrass Expressway prior to the toll plaza. The structure is a three span twin steel box girder system 525 feet in length and 40 feet wide. To establish the lowest bridge profile to accommodate a touchdown far enough in advance of the toll plaza, BHA provided a single pier substructure and cantilevered the twin steel box girders by the use of a cross girder of the same depth.

**S.R. 934/ Hialeah Expressway I FDOT D6** - Ms. Sadough served as the Project Engineer providing design & construction assistance and shop drawing review. She performed the load rating (LRFR) of the bridges. Contact Mr. Jorge Rodriguez, P.E. (954) 928-1828

**Bayou Chico Bridge Replacement (S.R. 292) I FDOT D3** - Three continuous spans 156'-240'-156' with 14 – FBT-72 segmental Bulb-Tee Beams (drop-in-beams) with special haunched sections at the supports. Ms. Sadough was the Project Engineer and Designer of the Superstructure.

**Westbound Gandy Bridge I FDOT D7** - Continuous post-tensioned, Florida Bulb-T (FBT-72 drop-in-beams) with special haunched sections at the supports for the navigation and flanking spans. Ship impact criteria was developed by BHA, ship impact loading 240 kips at the lower approach spans to 2,400 kips at the navigational crossing. Dr. Sadough was responsible for channel unit design and adjacent units.

**Structure "A" Over Tampa Bay I FDOT D7** - Three continuous post-tensioned, Florida Bulb-T (FBT-72 drop-in-beams) with special haunched sections at the supports for the navigation and flanking spans. Channel piers were designed to withstand ship impact loading of 300 kips. Dr. Sadough performed the Ship Impact analysis and worked in the design of the continuous post-tensioned unit analysis.

**S.R. 100 Over Intracoastal Bridge (Replacement of Flagler Beach Bridge I FDOT D7** Segmental Bulb-Tee with Drop-In-Beams longitudinally post-tensioned. This bridge provides an east-west connection between U.S. 1 and S.R. A1A. This is a twin fixed high level structure 2,664 feet long, with a vertical clearance of 65 feet above mean high water at the Intercoastal Waterway. The navigation and flanking spans (3 spans continuous: 161'-230'-161') have been developed using Segmental Bulb-Tees, with special haunched sections at the supports. Ms. Sadough participated in the longitudinally post-tensioned analysis of the channel and approach spans units and designed the single column flared piers supported on prestressed concrete piles.





Carlos Rodriguez, PE  
Project Manager / Project Engineer



Years of Experience: 8

#### AREAS OF EXPERTISE

Project Management  
Highway Design  
Structures Design

#### EDUCATION

M.S.C.E, Florida International  
University (2012)

B.S.C.E., Florida International  
University (2011)

#### REGISTRATIONS

Florida PE No. 79134

#### CERTIFICATIONS

FDOT Specifications Training  
FDOT Advanced MOT

#### AVAILABILITY

70%

Mr. Rodriguez is a multifaceted individual with experience working with the public sector on major FDOT projects. His responsibilities include Design, Project Management, and preparation of construction documents for roadway and bridge projects. His highway design experience includes roadway geometry, signing and pavement marking, and signalization. His structures design experience encompasses both minor and major bridge structures as well as miscellaneous structures. In terms of Management experience, he has served as a Deputy Project Manager/project coordinator on numerous projects and has also served as an in-house FDOT PM at District 4 (Consultant Management Sections 5 & 6). In that capacity, Mr. Rodriguez managed over 20 different projects for the department. He is intimately familiar with the FDOT internal processes and brings that knowledge as a consultant.

**Golden Gates Estates 8<sup>th</sup> Street NE DB Project | FDOT D1 – (FM 431895-1)** ASA is the prime on this DB with Bergeron. This project involves widening the existing road and a new bridge (using the developmental PSU beams) over the cypress canal. Mr. Rodriguez serves as ASA's deputy project manager and Engineer of Record for Roadway and Signing and Pavement Marking. Contact: Kevin Daugherty, PE, FDOT, 239-940-9541

**SR 15 RRR | FDOT D4 – (FM 439843-1)** ASA serves as a sub to Propel which involves widening, milling and resurfacing and new guardrail along the project limits. Mr. Rodriguez was responsible for the Pavement Design. Contact: Maj Alam, PE, Propel, 561-866-5730

**SR 934 at SR 5 Safety Project | FDOT D6 – (FM 440013-1)** ASA is the prime consultant on this TWO which involved the reconfiguration of the west leg of the intersection, Milling & Resurfacing, and a new signal. Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Auraliz Benitez, PE, FDOT D6, 305-470-5471

**SR 5 at SW 112 Safety Project | FDOT D6 – (FM 439913-1)** ASA is the prime consultant on this TWO which involved widening for an additional left turn lane, lane reconfigurations, Milling & Resurfacing, and a new signal. Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Adriana Manzanares, PE, FDOT D6, 305-470-5283

**SR 5 at Burton Dr Project | FDOT D6 – (FM 441974-1)** ASA is the prime consultant on this TWO which the reconfiguration of the intersection, widening, Milling & Resurfacing, and signing and pavement marking Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Martin Fils-Amie, PE, FDOT D6, 305-470-5283

**SR 826 Reconstruction Project | FDOT D6 – (FM 435760-2)** ASA serves as a sub to EAC Consultants. The project includes the reconstruction of SR 826 to add managed lanes. Mr. Rodriguez serves as a project engineer on this project designing all the Noise Walls for this segment. Contact: Jagan Katkuri, PE, EAC, 954-714-2000

**ITS Replacements DB Project | FDOT D6 – (FM 430291-1)** ASA serves as a sub to the FRA/SICE DB team. This project involves replacing the existing DMS panels with new color DMS. ASA's role on this project was to analyze all the new and existing structures. Mr. Rodriguez serves as ASA's project manager and Engineer of Record for all the overhead structures. Contact: Amazia Kiboko, PE, FRA, 305-591-8777

**US-1 & Palm Drive, Miami-Dade County | FDOT D6- (FM 405575-8)** This 3R project consists of milling, resurfacing and widening to include an additional SB right turn lane as well as signalization improvements. Mr. Rodriguez serves as ASA's project manager and Engineer of Record for the structures sheets. Contact: Nour Shehadeh, PE, HSQ Group, 561-329-0221

**MDX 836 Operational Capacity and Interchange Improvements I MDX – (Work No. 83628-030)** ASA serves as a sub to EAC. This project involves widening, reconstruction, and resurfacing along 836. ASA's role on this project was as a reviewer on the MDX GEC B team. Mr. Rodriguez served as a reviewer for the D/B teams' submittals which included Retaining walls, S&PM plans and Structures Plans. Contact: Abid Hadrous, PE, EAC, 954-714-2000

**Carlos Rodriguez, PE**

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**SR 9/I-95 Spanish River Blvd. Interchange Project I FDOT D4 - (FM 412420-3)** This project provides access to and from I-95 as well as Yamato Rd to Spanish River Blvd, improving access to FAU and the adjacent Glades Rd & Congress Avenue Interchanges. The project requires extensive coordination with FAA, SFRTA and other local agencies. Mr. Rodriguez serves as a Deputy PM/Project Engineer, responsible for assisting in all aspects of the design, coordination, and management. Among his many responsibilities were the analysis and design of all the misc. structures and assisting in the design of 4 bridges. His roadway related responsibilities included assisting in the design of the vertical and horizontal alignment of Yamato road, he is the EOR for the Yamato TCP (Phase 1A), the design of MSE walls, and plans production. Contact: Ron Wallace, PE, FDOT D4, 954-777-4641

**SR 5 | FDOT D4 – (FM 437834-1)** ASA serves as a sub to JMT. This is a 3R project along SR-5/US-1/North Federal Highway from north of George Bush Boulevard to north of (canal) Murano Bay Drive in Palm Beach County. Mr. Rodriguez is responsible for performing the analysis of the existing mast arms to include additional loads. Contact: Maverick Marshall, JMT, 407-833-9898

**Bird Road PD&E | FDOT D6 – (FM 434845-4)** ASA serves as a sub to Goal. This PD&E involves the study of the bird road corridor from the Turnpike to US 1. Mr. Rodriguez serves as ASA Project Manager and responsible for the Structures portion of the study. Contact: Godfrey Lamptey, PE, Goal, 786-600-3350.

**SR 406, Brevard County I FDOT D5 - (FM 432399-1)** ASA serves as a sub to Propel. This 3R project consists of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. Mr. Rodriguez serves as ASA's project manager and performed the analysis of the existing mast arms for the additional proposed loads. Contact: Maj Alam, PE, Propel, 561-866-5730

**I-4 Ultimate Improvements, Orange County I FDOT D5 - (FM 432193-1)** ASA serves as a sub to A2B Engineering. This project involves the improvements and reconstruction along the I-4 corridor. ASA was responsible for the full QC of 3-15 Span bridges along the Church Street Viaduct. Mr. Rodriguez served as a structural reviewer and performed the QC for the bridge geometry as well as the bridge calculations. Contact: Paul Steijen PE, A2B, 813-249-2220

**Overseas Highway/SR 5, Monroe County I FDOT D6 - (FM 436344-1)** ASA serves as a sub to Propel. The project consists of milling and resurfacing of the existing pavement to extend the service life of the corridor, as well as general highway safety enhancements. The project also includes widening to provide a bicycle lane keyhole (5' wide) adjacent to the 11' wide right turn lanes at Ohio Key, Little Duck key, and Veterans Memorial Park. Mr. Rodriguez' responsibilities included detailing plans to include bullet railing on the outside face of barrier wall. Contact: Maj Alam, PE, 561-866-5730

**SW 8th Street ATMS Pilot Project, Miami-Dade County | FDOT D6- (FM 435506-1)** ASA serves as a sub to the FRA/SICE DB team. This project involves deploying an InSync adaptive signal control technology (ASCT) system at 29 intersections along SR 90/US 41/SW 8 Street from SW 67 Avenue (east of SR 826/Palmetto Expressway) to SW 142 Avenue (west of SR 821/Florida's Turnpike). Mr. Rodriguez responsibilities included the analysis of the existing mast arms for the additional proposed loads. Contact: Amazia Kiboko, PE, FRA, 305-591-8777

**MDX ORT Gantry Modifications I MDX – (MDX Work No. 83631-030)** ASA serves as a sub to FR Aleman. This project involves the retrofitting on the existing toll gantries at NW 97Av and NW 137 Ave along SR 836 in order to accommodate new tolling equipment. This meant including an adding an additional hanger bay for new equipment as well as a structural analysis to ensure the existing structure had enough capacity. Mr. Rodriguez served as ASA's Project Manager and structural designer for both gantries. He performed the structural analysis using STAAD and similar software and provided the plans and details required to retrofit the structure. Contact: Amazia Kiboko, PE, FRA, 305-591-8777

**SR 715, Palm Beach County I FDOT D4 - (FM 428722-1)** The project involves milling, resurfacing, and reconstruction along SR 715. Mr. Rodriguez' responsibilities included roadway design support and Signing & pavement marking design support while with BHA/Aztec. Currently, ASA serves as a sub to Aztec for post design services and technical support where Mr. Rodriguez served as ASA's Project Manager responsible for the post design services. Contact: Kenzot Jasmin, PE, FDOT D4, 954-777-4462

**SR 858, Broward County I FDOT D4 - (FM 428733-1)** This project involves milling, resurfacing, widening and the addition of drainage structures along SR 858. Mr. Rodriguez' responsibilities included Temporary Sheet Pile design which included analyzing the active and passive soil pressures as well as the traffic surcharges in order to determine the minimum tip elevations for the wall and whether we needed to use a cantilever or anchored wall. Once this was determined, a shoring program was used to design the sheet piles section modulus and moment of inertia. Contact: Adebayo Coker, PE, HBC Engineering, 305-232-7932

**I-595 Corridor Roadway Improvements I FDOT D4 -** As a sub-consultant to AECOM on this high-profile \$1.3B Design-Build project, FRA served as the designers for the ITS Infrastructure which included design of conduit system for ITS Devices, Electronic Toll Collection (ETC) and power system to all ITS components that supports traffic management and operations of the general purpose and express lanes. This network included subsystems for Reversible Express Lane Access Control, CCTV, DMS, HAR, MVDS, & ETC infrastructure. Mr. Rodriguez served as a Transportation Design Engineer, part of the team responsible for the ITS Infrastructure design. Contact: Saul Perez, PE, AECOM, 786-556-3320

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## Clyde R Mason II, PSM

### Contract Role

Project Manager

### Years' Experience

16

### Joined Ritzel-Mason

August 2018

### Education

BS / Geomatics  
Engineering / Florida  
Atlantic University / 2011

### Professional

#### Registrations

PSM / 2012/ FL / #6905

PS / 2013 / OH / #8601

PLS / 2018 / NC / #5297

### Affiliations

Florida Surveying and  
Mapping Society

Gold Coast Land Surveyors  
Council

### Summary of Experience

Mr. Mason is an experienced Professional Surveyor and Mapper with more than a decade of experience, primarily in the South Florida area, providing right-of-way, control survey, subsurface utility engineering, and topographic design surveys for the Florida Department of Transportation. He is proficient in the latest industry technology and software including: 3D laser scanning, all forms of conventional and GPS survey equipment operation, AutoCAD Civil 3D, MicroStation SS4, Geopak, Carlson 2019, Trimble Business Center, Hector, Cyclone, ArcGIS, data processing, full 3D modeling and both Static and RTK GPS post processing. Mr. Mason is a skilled problem solver and has been involved with all aspects of subsurface utility engineering (SUE) and survey and mapping processes. His ability to establish strong working relationships with clients and co-workers and commitment to consistently meeting project budgets and schedules are highly beneficial to the Ritzel-Mason team.



## Dennis A Ritzel, PSM

### Contract Role

Project Manager

### Years' Experience

23

### Joined Ritzel-Mason Inc.

January 2019

### Education

BS / Geomatics  
Engineering / Florida  
Atlantic University / 2013

AA / Palm Beach  
Community College / 2008

### Professional Registrations

PSM / 2013 / FL #6953

Engineering Intern  
#1100022325

### Certifications

NSPS CST IV#1102-1681

Trenchless Technology  
Utility Investigation Cert.

UAV part 107 #4167143

Advanced Cyclone  
Certification 2006

### Affiliations

Florida Surveying and  
Mapping Society – Officer

Gold Coast Surveying  
Council

### Summary of Experience

Mr. Ritzel has worked in the discipline of surveying and mapping since 1996. He began his career as a survey technician in Maryland and relocated to the South Florida area in 2002. Since 2002, Mr. Ritzel has continuously worked on Florida Department of Transportation projects. This includes well over 200 projects and task-work-orders through various continuing services and subcontractor contracts. His extensive experience includes right-of-way mapping, control surveys, design surveys and sketch & legals. His proficiency in the latest industry technology and software includes: TopoDOT, Carlson 2019, AutoCAD Civil 3D 2018, MicroStation v8i SS4, Geopak, CAiCE, Trimble Business Center, Trimble Total Control, Hector, Cyclone, ArcMap, GPS RTK, and Static network downloading and post processing. Mr. Ritzel has been utilizing laser scanning equipment since 2005 and excels at all aspects of point cloud processing including full 3D modeling and corridor mapping. He has been involved with all aspects of subsurface utility engineering (SUE) since 2006 and is certified to plan and evaluate SUE processes. He is proficient in the use of unmanned aerial vehicles (UAV's) and is UAV certified to operate at a commercial level. Mr. Ritzel's experience also includes two years as a project designer for various engineering design tasks such as hydraulic, hydrology, storm drainage, sediment control, and mining. Mr. Ritzel possesses highly effective problem solving and leadership skills. His ability to establish strong working relationships with clients and co-workers and his commitment to consistently meet project budgets and schedules are some key benefits to the Ritzel-Mason team.





### Professional Profile

Lexi has professional experience since 2010. Has a keen understanding of engineering principles, standards and techniques. She is an innovative thinker, capable of envisioning and developing complex engineering solutions. Possesses abilities to, analyze, solve and communicate ideas and recommendations for engineering challenges to achieve project objectives. Lexi is experienced in arranging work flow priorities, project management.

### Software Skills

AutoCAD, MicroStation, AGI32, Synchro, HCS7, Microsoft Office

### Education

BS - Civil Engineering, Florida Atlantic University, 2010

Post Graduate Research - Civil Engineering, Florida Atlantic University, 2010-2012

### Professional Societies

Institute of Transportation Engineers, Gold Coast Chapter, Past President

Florida Engineering Society, Palm Beach Chapter- Math Counts Committee Chair

American Society of Civil Engineers, Palm Beach Chapter

### Years with SEC:

2

### Years of Experience:

9

### Project Experience

**Clematis Streetscape Project, West Palm Beach, FL.** Lighting designer responsible for 100 and 200 block streetscape lighting analysis and design including layout, photometric analysis, utility coordination, conduit sizing, cable diagrams, voltage drop calculations, service point connections, cabinet layout and breaker design.

**District Wide Signalized Intersection Modernization, Chicago DOT, Chicago Illinois.** Engineer responsible for retrofitting overhead lighting and updating signal and pedestrian crossing heads, inductive loop vehicle detection, installation of PTZ cameras, and emergency vehicle preemption, at over 25 intersections. Responsible for plans production including signal retiming, curb reconstruction, cable diagrams, and cable plans and in some cases temporary cable plans.

**SR 90 (SW 8th Street) at SW 87th Avenue PD&E Study, FDOT District 6, Miami-Dade County, FL.** Traffic engineer for an arterial grade separation improvement study to elevate 4 lanes of thru traffic at an urban intersection in Miami Dade County. Performed traffic analysis of existing traffic conditions, No Build and Build Alternatives using a combination of Synchro and VISSIM. Assembled methodology and results in Design Traffic Technical Memorandum. Responsible for environmental and contamination data collection, field verification and documentation of findings in GIS database and documentation in preparation and assembly of the Socio-Cultural Evaluation, Contamination Screen Evaluation Report.

**SR 847 PD&E Study, FDOT District 6, Miami-Dade County, FL.** Traffic Engineer responsible for conducting analysis of the existing traffic data, determining LOS and future traffic forecasts. Modeled the existing conditions and the design alternatives of the SR-847 corridor. Responsible for conducting long range cost estimates for studied alternatives. Responsible for managing PD&E document preparation, facilitating the ERC process and collaborating with appropriate engineers for requested implementation of revisions.

**SCAT Passenger Mile Sampling Plan, Sarasota County, FL.** Traffic engineer responsible for creating an interface to generate randomly selected bus routes from a database. Selected routes were surveyed on a monthly basis for a year-long passenger mile sampling survey following National Transit Database Reporting Manual procedure. Performed calculations to determine unlinked passenger trips and passenger miles traveled. Responsible for providing client with monthly progress reports and compiling a final report documenting project background, project process, and monthly and yearly findings.

**Alico Road Widening Project Design Phase Traffic Analysis, Lee County Department of Transportation, Lee County, FL.** Traffic engineer responsible for analyzing changes in traffic patterns to future land use plans, extracting future traffic information from regional planning model, annualizing existing raw traffic counts, developing annual traffic growth rate, developing peak hour traffic turning movement volumes, analyzing existing and proposed intersection geometry in Synchro, determining new intersection geometry for revised future lane use expectations, reviewing and summarizing crash history. Responsible for documentation of findings and preparing supplemental report for the original PD&E due to the future land use changes.

### **Professional Profile**

Larry has over 30 years of experience as an electrical engineer in the areas of roadway lighting, traffic design, intelligent transportation systems analysis, design, implementation, and communications, sports field and specialty lighting, airport electrical systems, telecommunications, electric utilities, water and wastewater utilities, water control structures and pump stations. He is the President of Smith Engineering Consultants, Inc., an engineering firm that he founded nearly 20 years ago.

### **Software Skills**

AutoCAD, MicroStation, AGI32,  
Microsoft Office

### **Education**

BS - Electrical Engineering, Florida  
Atlantic University, 1987

Post Graduate Research - Electrical  
Engineering (Telecommunications),  
Florida Atlantic University, 1987-1988

### **Licenses/Certifications**

Florida P.E. No. 45997  
North Carolina P.E. No. 033663  
Technical Assist. Analyst, FL # T-0828

### **Awards**

Florida Engineering Society,  
Outstanding Service to the Profession  
2010-2011

Florida Engineering Society, Engineer  
of the Year 2007 - 2008

### **Professional Societies**

Florida Engineering Society, State  
President 2017-2018

Institute of Transportation Engineers,  
Gold Coast Chapter

American Society of Civil Engineers,  
Palm Beach Chapter

### **Years with SEC:**

20

### **Years of Experience:**

31  
9/11/2019

### **Project Experience**

#### **Collins Road Intersection, City of Jacksonville, Florida**

Electrical engineer of record for the design and construction management of a new signalized intersection. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

#### **Lilac Street and Military Trail Intersection, Palm Beach County, Florida**

Electrical engineer of record for the design and construction management of a new signalized intersection for Palm Beach Gardens High School. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

#### **FDOT I-75 Broward County Segments A, B, C & D**

Electrical engineer of record for the design and construction management of four (4) Toll Building and two (2) ITS Hub Shelter Building including all internal equipment and equipment on the overhead gantries including card readers, cameras, etc. The ITS design included construction plans and specifications for traffic control systems, closed circuit television camera systems, detection systems, and automatic vehicle identification systems. Interconnection with the state fiber optic cable network was engineered into the building for connection to real-time traffic control systems, dynamic message signs, and traffic engineering and traffic control software. Larry served as a part of the Construction Engineering Inspection (CEI) team and oversaw the system installation, startup, and testing.

The ITS Hub Shelter Buildings were designed in accordance with local building code standard criteria including an indoor LP gas generator for the A& B hub and including an outdoor, diesel-fueled generator for the C&D Hub. Larry provided the engineering design, including written specifications for the digital system hardware, electrical service and power distribution system, standby power system, lightning protection, hardware interconnect, fiber optic network, local area network, wide area network, internet communications, and data recording and transmission. Multiplexing and modulating techniques were used throughout the various communications networks.

#### **Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida**

Electrical engineer of record for the design of the ongoing design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

**Steve Hockman***Senior Electrical Designer,**Office Manager & Project Manager***Smith Engineering  
Consultants, Inc.**

Fort Lauderdale, Florida

(954) 590-0488

(561) 856-2626

Steve@SmithEngineeringConsultants.com

**Professional Profile**

Steve has extensive experience in design and construction management of roadway lighting and signalization for local, county and FDOT roadways. Some of his experience includes lighting design for signalized intersections, pedestrian crosswalks, sidewalks, express lanes, bridges, landscape and underdeck lighting. In addition to his experience on roadway projects, Steve has substantial experience in the electrical design of water and wastewater treatment facilities, master lift stations, water reuse facilities, pumping stations, operational and maintenance complexes, water control structures, solid waste facilities and normal and standby generation systems.

**Software Skills**

AutoCAD, MicroStation AGI 32, LitePro, E-TAP, Microsoft Office

**Education**

2 years- Electrical/Mechanical Engineering-Broward Community College

**Licenses/Certifications**

Notary Public

**Professional Societies**

BICSI Telecommunications Association

**Years with SEC:**

14

**Years of Experience:**

39

**Project Experience****Collins Road Intersection, City of Jacksonville, Florida**

Project Manager for the design and construction management of a new signalized intersection. New mast arm signal poles were designed along with their associated electrical services. Steve assisted in preparing signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

**Lilac Street and Military Trail Intersection, Palm Beach County, Florida**

Project Manager for the design and construction management of a new signalized intersection for Palm Beach Gardens High School. New mast arm signal poles were designed along with their associated electrical services. Steve assisted in preparing signal timing diagrams through the application and interpretation of traffic flow and signal timing models.

**FDOT I-75 Broward County Segments A, B, C & D**

Project Manager for the design and construction management of four (4) Toll Building and two (2) ITS Hub Shelter Building including all internal equipment and equipment on the overhead gantries including card readers, cameras, etc. The ITS design included construction plans and specifications for traffic control systems, closed circuit television camera systems, detection systems, and automatic vehicle identification systems. Interconnection with the state fiber optic cable network was engineered into the building for connection to real-time traffic control systems, dynamic message signs, and traffic engineering and traffic control software. Larry served as a part of the Construction Engineering Inspection (CEI) team and oversaw the system installation, startup, and testing.

**Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida**

Project Manager for the ongoing design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

**Tamarind Avenue Lighting Upgrades, City of West Palm Beach, Florida**

Project Manager for design of electrical systems, including new decorative lighting poles and fixtures, along Tamarind Avenue from Banyan Blvd. to Palm Beach Lakes Blvd. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.



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*

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**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 with clients and consultants.



### *Education*

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

### *Professional Registrations*

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**State of Florida Professional Surveyor and Mapper**  
*License Number LS4039*

### *Professional Affiliations*

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





## PROFESSIONAL QUALIFICATIONS

# RAJ KRISHNASAMY, P.E.

PRESIDENT, PRINCIPAL ENGINEER  
32 Years of Experience



**RELIABLE  
IN-DEPTH  
SOLUTIONS**

Geotechnical Engineering | Material Testing | Inspection Services

### 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 OS A 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, over 200 roadway projects, and design-build projects totaling over \$2 billion in construction costs. 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.

## RELEVANT PROJECT EXPERIENCE

**SR 820/Pines Boulevard/Hollywood Boulevard From east of US-27 (MP 0.100) to east of Young Circle (18.900), Broward County, Florida)** Mr. Krishnasamy was the principal in charge of the geotechnical engineering services for several roadway improvements under consideration on Flamingo Road, Pines Boulevard and Hollywood Boulevard in Broward County. The study was performed to obtain information on the existing subsurface conditions at the proposed project site to assist in the design and preparation of construction plans for the proposed improvements. Reviewed the existing data from previous geotech studies. Provided geotechnical recommendations regarding general site development, permanent cut and fill slopes, excavations, groundwater control, pavement design, on-site soil suitability, Permanent Sheet Pile Wall, Light Pole installation, and construction considerations

**SW 4th Avenue at SW 28th Street, Broward County, Florida.** Mr. Krishnasamy was the principal in charge of the geotechnical engineering services for the safety improvement project at the intersection of SW 4th Avenue at SW 28th Street in Broward County. The improvements included the installation of a mast arm structure, and roadway widening in the general intersection areas. The study was performed to obtain information on the existing subsurface conditions at the proposed project site to assist in the design and preparation of construction plans for the proposed improvements. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical evaluations and recommendations regarding foundation design and drilled shaft construction

**RELEVANT  
PROJECT  
EXPERIENCE,**  
*Continued*

**I-75 Express Lanes Segment D from South of Sheridan Street to North of Griffin Road, Broward County, Florida.** Mr. Krishnasamy was the principal in charge of the geotechnical engineering services for Segment D of the I-75 Express Lanes Project which extends from approximately 4,000 feet south of Sheridan Street at milepost 4.645 to approximately 800 feet north of the South Florida Water Management District (SFWMD) C-11 Canal Bridge north of Griffin Road) at milepost 8.344 in Broward County, for a total distance of approximately 3.7 miles.

**CR-811/Dixie Highway Fly-Over, Broward & Palm Beach Counties, Florida** Performed a geotechnical engineering study for the new overpass. Provided a geotechnical report with analysis and recommendations for bridge foundation, MSE Wall and roadway soil survey. Prepared TSP for surcharge, settlement monitoring and vibration monitoring. Geotechnical recommendations also included a discussion of soil suitability, groundwater, and other site/construction considerations. Prior to construction, performed baseline vibration monitoring for the railroad track with both a loaded train and empty train. During construction monitored the vibration due to the construction activities and found that vibration due to construction did not exceed the baseline. Provided pile driving inspection and foundation certification as well as pile load tests. Also provided Quality Control during construction.

**ADDITIONAL  
ABBREVIATED  
PROJECT  
EXPERIENCE**

- Flashers on Strain Poles – Sample Road, West of University, Coral Springs, Florida
- Parking Lot Pavement Cores, 11540-11550 Wiles Road, Coral Springs, Florida
- Nob Hill Road, Coral Springs, Florida
- SW Wiles Rd & 441 (Super Target), Coral Springs, Florida
- Turtle Crossing Boat Ramp, Coral Springs, Florida
- Pine Island Road Widening from SR 84 to Nova Drive, Broward County, Florida
- All Electronic Tolling (AET) Phase 5A Conversion, Broward and Palm Beach Counties, Florida (2014)
- SW 36th Street Relocation from SW 73rd Avenue to SW 76th Terrace, Davie, Florida
- Wiles Rd Widening from Rock Island Rd to US-441, Broward County, Florida
- SW 67th Avenue from SW 41st Court to Orange Drive, Davie, Florida
- Hiatus Road Extension from Sunrise Boulevard to Oakland Park Boulevard, Broward County, Florida
- South Florida AET Phase 4B, Broward and Miami-Dade Counties, Florida
- Improvement of SR A1A from south of SE 3rd Street to north of NE 7th Street, City of Deerfield Beach, Florida
- SW 36th Avenue Pedestrian Bridge and Path, City of Pompano Beach, Florida
- ATMS Deployment in Southern Broward County (Design-Build Project), Broward County, Florida
- SFRC Bascule Bridge Replacement over the New River, Broward County, Florida
- I-95 Express Lanes in Broward and Miami-Dade Counties - Design-Build
- NE 34th Court Roadway Improvements, Oakland Park, Florida
- SW 202 Avenue, Southwest Ranch, Florida
- Safety Projects - Intersection of SR 824 & SW 31st Avenue and Intersection SR 817 & Miramar Parkway, Broward County, Florida
- ATMS Installation in Central Broward County, Broward County, Florida
- SR 823/Flamingo Road from North of SR 818/Griffin Road to South of SR 84, Broward County, Florida
- Pedestrian Bridge at Floranda Road, Oakland Park, Florida



## PROFESSIONAL QUALIFICATIONS

# FRANCOIS THOMAS, P.E., S.I.

PRINCIPAL MATERIALS ENGINEER/  
SPECIAL INSPECTOR  
26 Years of Experience



### EDUCATION

- MS in Geotechnical Engineering, University of Alabama, 1993
- BS in Civil Engineering, University of Alabama, 1991

### PROFESSIONAL ORGANIZATION AND REGISTRATION

- Professional Engineer: Florida, 56381
- Special Inspector 7021399
- Radiation Safety Officer
- Certified Masonry Inspector
- Certified Troxler Operator

## PROFESSIONAL EXPERIENCE

Mr. Thomas is a Florida-Registered Professional Engineer and Special Inspector with more than 26 years of experience in geotechnical engineering, construction materials testing, and inspection services. He serves as Principal Materials Engineer, supervising the laboratory services, construction materials testing and inspections. He has extensive experience in deep and shallow foundation systems, soil stabilization methods, grouting, and pavement sections evaluation. He has been involved in construction monitoring and supervision for private and government facilities, including construction/foundation installation for port, airport, commercial, municipal, healthcare, retail and school facilities. He has monitored the construction of numerous civil and structural designs involving earthwork, concrete, masonry and asphalt operations. Having completed quality control testing for numerous projects for FDOT, Mr. Thomas is extensively familiar with the FDOT's processes and procedures. He is committed to completing projects on time and within budget, with a proven record of flexible scheduling through night/weekend shifts and on occasions 24 hour shifts as needed.

## RELEVANT PROJECT EXPERIENCE

**I-75 Express Lanes Segment A/B from NW 170th Street to South of Miramar Parkway, Broward & Miami-Dade Counties, Florida.** Mr. Thomas is the Principal Geotechnical Engineer for the design and construction of Segments A&B of the I-75 Express Lanes Project which extend from just north of NW 170th Street in Miami-Dade County at milepost 3.485 to approximately 2,400 feet south of Miramar Parkway in Broward County at milepost 1.080, for a total distance of approximately 3.1 miles. The Project also includes reconstruction, widening, and milling and resurfacing of the HEFT mainline from 1.45 miles south to 1.13 miles north of I-75 to accommodate the Express Lanes Median to Median Direct Connect between I-75 and the HEFT, as well as other interchange ramp connections.

**I-75 Express Lanes Segment C, from south of Miramar Parkway to Sheridan Street, Broward County, Florida.** Mr. Thomas was the Principal Geotechnical Engineer for Segment C of the I-75 Express Lanes Project which extends from approximately 2,400 feet south of Miramar Parkway at milepost 1.080 to approximately 4,000 feet south of Sheridan Street at milepost 4.645 in Broward County, for a total distance of approximately 3.6 miles

## RELEVANT PROJECT EXPERIENCE, *Continued*

**I-75 Express Lanes Segment D from South of Sheridan Street to North of Griffin Road, Broward County, Florida.** Mr. Thomas was the Principal Geotechnical Engineer for the design and construction of Segment D of the I-75 Express Lanes Project which extends from approximately 4,000 feet south of Sheridan Street at milepost 4.645 to approximately 800 feet north of the South Florida Water Management District (SFWMD) C-11 Canal Bridge (north of Griffin Road) at milepost 8.344 in Broward County, for a total distance of approximately 3.7 miles.

**CR-811/Dixie Highway Fly-Over, Broward & Palm Beach Counties, Florida**  
Performed a geotechnical engineering study for the new overpass. Provided a geotechnical report with analysis and recommendations for bridge foundation, MSE Wall and roadway soil survey. Prepared TSP for surcharge, settlement monitoring and vibration monitoring. Geotechnical recommendations also included a discussion of soil suitability, groundwater, and other site/construction considerations. Prior to construction, performed baseline vibration monitoring for the railroad track with both a loaded train and empty train. During construction monitored the vibration due to the construction activities and found that vibration due to construction did not exceed the baseline. Provided pile driving inspection and foundation certification as well as pile load tests. Also provided Quality Control during construction.

## ADDITIONAL ABBREVIATED PROJECT EXPERIENCE

- Flashers on Strain Poles – Sample Road, West of University, Coral Springs, Florida
- Parking Lot Pavement Cores, 11540-11550 Wiles Road, Coral Springs, Florida
- Nob Hill Road, Coral Springs, Florida
- SW Wiles Rd & 441 (Super Target), Coral Springs, Florida
- Turtle Crossing Boat Ramp, Coral Springs, Florida
- Pine Island Road Widening from SR 84 to Nova Drive, Broward County, Florida
- All Electronic Tolling (AET) Phase 5A Conversion, Broward and Palm Beach Counties, Florida (2014)
- SW 36th Street Relocation from SW 73rd Avenue to SW 76th Terrace, Davie, Florida
- Wiles Rd Widening from Rock Island Rd to US-441, Broward County, Florida
- SW 67th Avenue from SW 41st Court to Orange Drive, Davie, Florida
- Hiatus Road Extension from Sunrise Boulevard to Oakland Park Boulevard, Broward County, Florida
- South Florida AET Phase 4B, Broward and Miami-Dade Counties, Florida
- Improvement of SR A1A from south of SE 3rd Street to north of NE 7th Street, City of Deerfield Beach, Florida
- SW 36th Avenue Pedestrian Bridge and Path, City of Pompano Beach, Florida
- ATMS Deployment in Southern Broward County (Design-Build Project), Broward County, Florida
- SFRC Bascule Bridge Replacement over the New River, Broward County, Florida
- I-95 Express Lanes in Broward and Miami-Dade Counties - Design-Build
- NE 34th Court Roadway Improvements, Oakland Park, Florida
- SW 202 Avenue, Southwest Ranch, Florida
- Safety Projects - Intersection of SR 824 & SW 31st Avenue and Intersection SR 817 & Miramar Parkway, Broward County, Florida
- ATMS Installation in Central Broward County, Broward County, Florida
- SR 823/Flamingo Road from North of SR 818/Griffin Road to South of SR 84, Broward County, Florida
- Pedestrian Bridge at Floranda Road, Oakland Park, Florida





## PROFESSIONAL QUALIFICATIONS

## KUMAR VEDULA, P.E.

PRINCIPAL ENGINEER  
23 Years of Experience



### EDUCATION

- MS in Geotechnical Engineering, University of Memphis, 1995
- BE in Civil Engineering, Andhra University, 1992

### PROFESSIONAL ORGANIZATION AND REGISTRATION

- Professional Engineer: Florida, 54873
- American Society of Civil Engineers, Past President (Broward Branch)

## PROFESSIONAL EXPERIENCE

Mr. Vedula, a Florida-Registered Professional Engineer, has over 23 years of experience providing engineering services for a wide variety of geotechnical projects involving foundation design, slope stability analysis, WEAP analysis and interpreting PDA reports, excavation support, and construction inspection. His extensive experience includes foundation inspections (shallow and deep foundations), soil modification (dynamic compaction, stone columns), preloading, excavations, backfilling, and post construction monitoring. Mr. Vedula has served as a principal inspector on numerous surcharging and settlement evaluations of organic laden soils assignments. His project experience includes 300+ geotechnical engineering studies for various project types including stadiums, parks, piers, shoreline stabilization, dredging, bridges, roadways, utilities, high rise buildings, schools and government facilities. Mr. Vedula has authored, and co-authored papers published in national and international publications.

## RELEVANT AVIATION PROJECT EXPERIENCE

**Marina Mile (SR 84) at SW 15th Avenue, Broward County, Florida** Mr. Vedula was the Principal Geotechnical Engineer for the geotechnical engineering services for the safety improvement project at the intersection of Marina Mile Boulevard (SR 84) and SW 15th Avenue in Broward County, Florida. The improvements included the installation of a mast arm structure, and roadway widening in the general intersection areas. The study was performed to obtain information on the existing subsurface conditions at the proposed project site to assist in the design and preparation of construction plans for the proposed improvements. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical evaluations and recommendations regarding foundation design and drilled shaft construction.

**SR 820/Pines Boulevard/Hollywood Boulevard From east of US-27 (MP 0.100) to east of Young Circle (18.900), Broward County, Florida.** Mr. Vedula was the senior geotechnical engineer for the geotechnical engineering services for several roadway improvements under consideration on Flamingo Road, Pines Boulevard and Hollywood Boulevard in Broward County, Florida. The purpose of the study was to provide geotechnical (i.e. soils and groundwater) input to the design team to assist in evaluation of the merits of the potential roadway improvements. The study was performed to obtain information on the existing subsurface conditions at the proposed project site to assist in the design and preparation of construction plans for the proposed improvements. TS also reviewed the existing data from previous studies. Provided geotechnical recommendations regarding general site development, permanent cut and fill slopes, excavations, groundwater control, pavement design, on-site soil suitability, Permanent Sheet Pile Wall, Light Pole installation, and construction considerations.

**SW 4th Avenue at SW 28th Street, Broward County, Florida)** Mr. Vedula was the Principal Geotechnical Engineer for the geotechnical study for the safety improvement project at the intersection of SW 4th Avenue at SW 28th Street in Broward County, Florida. The improvements included the installation of a mast arm structure, and roadway widening in the general intersection areas. The study was performed to obtain information on the existing subsurface conditions at the proposed project site to assist in the design and preparation of construction plans for the proposed improvements. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical evaluations and recommendations regarding foundation design and drilled shaft construction

**RELEVANT  
PROJECT  
EXPERIENCE,**  
*Continued*

**Sheridan Street and Dykes Road Intersection Improvements, Broward County, Florida.** Mr. Thomas was the Principal Geotechnical Engineer for the design and construction of Segment D of the I-75 Express Lanes Project which extends from approximately 4,000 feet south of Sheridan Street at milepost 4.645 to approximately 800 feet north of the South Florida Water Management District (SFWMD) C-11 Canal Bridge north of Griffin Road at milepost 8.344 in Broward County, for a total distance of approximately 3.7 miles.

**CR-811/Dixie Highway Fly-Over, Broward & Palm Beach Counties, Florida** Performed a geotechnical engineering study for the new overpass. Provided a geotechnical report with analysis and recommendations for bridge foundation, MSE Wall and roadway soil survey. Prepared TSP for surcharge, settlement monitoring and vibration monitoring. Geotechnical recommendations also included a discussion of soil suitability, groundwater, and other site/construction considerations. Prior to construction, performed baseline vibration monitoring for the railroad track with both a loaded train and empty train. During construction monitored the vibration due to the construction activities and found that vibration due to construction did not exceed the baseline. Provided pile driving inspection and foundation certification as well as pile load tests. Also provided Quality Control during construction.

**ADDITIONAL  
ABBREVIATED  
PROJECT  
EXPERIENCE**

- Flashers on Strain Poles – Sample Road, West of University, Coral Springs, Florida
- Parking Lot Pavement Cores, 11540-11550 Wiles Road, Coral Springs, Florida
- Nob Hill Road, Coral Springs, Florida
- SW Wiles Rd & 441 (Super Target), Coral Springs, Florida
- Turtle Crossing Boat Ramp, Coral Springs, Florida
- Pine Island Road Widening from SR 84 to Nova Drive, Broward County, Florida
- All Electronic Tolling (AET) Phase 5A Conversion, Broward and Palm Beach Counties, Florida (2014)
- SW 36th Street Relocation from SW 73rd Avenue to SW 76th Terrace, Davie, Florida
- Wiles Rd Widening from Rock Island Rd to US-441, Broward County, Florida
- SW 67th Avenue from SW 41st Court to Orange Drive, Davie, Florida
- Hiatus Road Extension from Sunrise Boulevard to Oakland Park Boulevard, Broward County, Florida
- South Florida AET Phase 4B, Broward and Miami-Dade Counties, Florida
- Improvement of SR A1A from south of SE 3rd Street to north of NE 7th Street, City of Deerfield Beach, Florida
- SW 36th Avenue Pedestrian Bridge and Path, City of Pompano Beach, Florida
- ATMS Deployment in Southern Broward County (Design-Build Project), Broward County, Florida
- SFRC Bascule Bridge Replacement over the New River, Broward County, Florida

## 2. Project Approach

### Understanding Project Scope

Continuing services contracts require a different approach from typical project-specific contracts. Each task assigned under an on-call contract will need an individualized approach that includes the various disciplines necessary to complete the assignment. We recognize that each project under the continuing services contract has its own expectations that need to be understood and then exceeded. At Kimley-Horn, the overall approach for a task begins with an initial scoping meeting, development of the fee proposal, and a clear understanding of the task expectations and deliverables.

Listed below is an overview of key characteristics that have led to our success managing continuing contracts for various municipalities throughout the state:



- **Be Flexible.** We understand that schedules change (accelerated or delayed), projects change, and we must be prepared to deal with these changes. Our team is available at all times for any size task.
- **Think and Act as an Extension of the County's Staff.** Our team will approach projects as though we are part of your staff. We want to head off questions from the community and minimize constraints on the County's time.
- **Think Big Picture.** We will look beyond the project: what is the ultimate goal? We will help the County identify and procure outside funding whenever possible.
- **Be Creative.** We will look for creative solutions and present them to the County throughout the contract.
- **Provide Community Support.** Outreach to the community can be as important as the design of a project. We can prepare all exhibits/media, present to the community, or simply provide support for the County.

Kimley-Horn staff has extensive experience managing similar contracts for some Broward municipalities, local FDOT districts, and municipalities throughout the entire state. **We are proud of our track record providing immediate response to County staff, expediting schedules, meeting the County's commitments, and successfully managing multiple projects simultaneously.** We have developed a relationship of trust with our clients, allowing them to call upon us to fill in for staff as needed, including while they are away from the office for an extended period.

As a multidisciplinary firm, our diversified approach plays an important role in the design process, providing aesthetic, functional, and scientific contributions to project design. Our approach to the Continuing Engineering Services for Traffic, Roadway, and Civil projects will focus on saving you and your staff time and making sure 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 County Commission presentations. We will be an extension of your staff throughout all aspects of the designs.

We have the expertise and personnel to tackle any assignment within the disciplines and areas of service outlined in this solicitation. Our depth of resources means that you will benefit from experienced professionals who practice these types of engineering for municipalities every day. We are familiar with the issues facing Broward County and, along with our subconsultant partners, are prepared to immediately begin working on any specific project assignment that arises under this contract. On the following pages, we detail our multidisciplinary expertise in the areas you have identified as top-priorities, in addition to our approach to continuing services contracts.



## Approach to Engineering Services

### Advanced Transportation Management Systems

Kimley-Horn will be responsible for the development of signal, lighting, and signing and pavement marking plans as required. Our team is extremely familiar with Broward County requirements, FDOT policies, and MUTCD standards, as demonstrated by our work on all phases of the Wiles Road project. In addition, our team is well-versed in Americans with Disabilities Act (ADA) standards for accommodating access at intersections and along public roadways.

Moreover, we remain on the cutting-edge and have become a true industry leader in the development of advanced systems, offering expertise that is unparalleled anywhere in the industry. In addition to comprehensive master planning for traffic signalization, our engineers have designed numerous plans to standardize traffic control systems and provide comprehensive systems communications. Advanced traffic management projects include countywide signal system designs, transportation control centers, electronic toll facilities and revenue control systems, and innovative transit and public transportation systems. Each of our systems is designed not only to address current needs, but also to accommodate future growth and advances in technology.



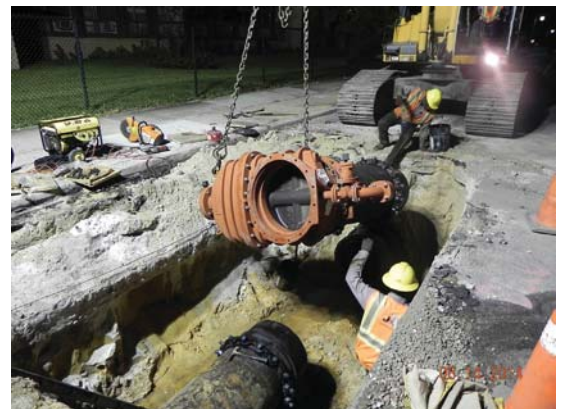
**Traffic Signal Communication System Technologies.** Along with recommendations for improving the facilities for all modes of travel, Kimley-Horn can explore ways to improve traffic signalization through expanded capabilities of the existing computerized traffic signal systems in the project area and the possible integration of intelligent transportation system components.



**Intelligent Transportation System (ITS) Design.** ITS technology is based on the acknowledgment that transportation systems are more than just infrastructure. At Kimley-Horn, we understand this and specialize in integrating the components of the total system—the road, the vehicle, and the traveler—to make getting around safer and more efficient. **We have successfully led the design and implementation of Intelligent Transportation Systems locally and nationally.** Our experience makes Kimley-Horn uniquely qualified to serve Broward County's ITS needs. In addition, we are pre-qualified in FDOT work categories 6.3.1, 6.3.2, and 6.3.3.

**School Zone Flasher Systems.** Our staff is highly experienced with school flasher design and the recently revised FDOT standards for school zones. FDOT has a 5-year program to bring school zones into compliance with the new standards. In fact, FDOT recently contracted Kimley-Horn to complete the evaluation of all school zones within Broward County and all other counties in District Four. Additionally, we recently completed the design of a County school flasher in Coral Springs.

**Construction Engineering and Inspection (CEI).** Kimley-Horn is prequalified in work group 10.1, construction engineering and inspection, as required by this solicitation; however, we are keenly aware of the industry's practice of having the Construction Engineering and Inspection team be a separate entity from the design team. As such, it is advantageous for Kimley-Horn to provide an independent CEI consultant to the County for this contract. We have teamed with **ASA Consultants, Inc.** to lead the CEI activities as required by the contract. This assures the County is supported by an experienced FDOT CEI consultant when called for.





## Approach to Project Management

**Jim Sumislaski, P.E.** will serve as your project manager. Jim has 37 years of experience with 33 years in South Florida and has worked throughout Broward and Palm Beach County, including FDOT District Four, for many individual municipalities and counties. His principal areas of practice include project management, streetscape design, complete streets design, roadway design, drainage design, pavement marking, maintenance of traffic, ITS, and traffic operations. Jim has worked extensively on projects for Broward County (Broward Blvd., Wiles Road, and NE/NW 48th Street), FDOT (including the I-95 Interchange masterplan, I-95 HOV, I-75 Express Lanes), and Florida's Turnpike (Widening of Turnpike from HEFT to Johnson Street, All Electronic Toll Collection).

To further demonstrate the continuity of our design team, **Mike Russell** will head up ITS and ATMS designs, **Marwan Mufleh, P.E.** will offer quality control reviews and Complete Streets design input, and **Stefano Viola, P.E.** will provide deputy project manager coordination and stormwater management and drainage design. As the PM assigned to the project, Jim will ensure that the County receives extensive staffing to meet all project schedules. This group has previously worked together on numerous projects and are currently serving the County right now; as such, they all are extremely familiar with the County's expectations for plans and schedule demands.

Our team includes three CBE businesses: **Stoner and Associates, Inc.** for Survey services, **Smith and Associates, Inc.** for Electrical Engineering, and **ASA Consultants, Inc.** for CEI and In-House support. We have an excellent long-term working relationship with each of them and they have successfully served Broward County on several projects in the past.

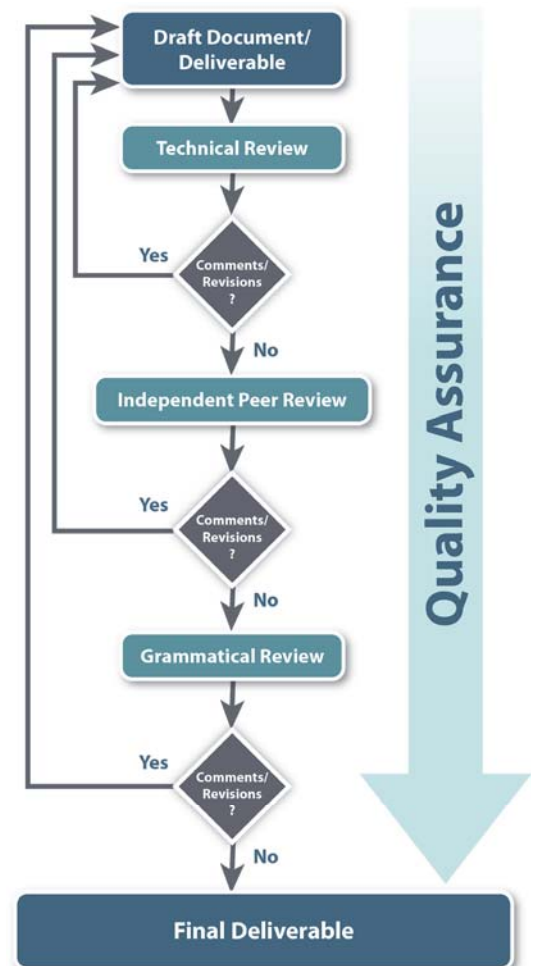
## Quality Assurance/Quality Control

Quality control begins with the team assigned to the project. Recognizing the critical importance of careful quality control, Kimley-Horn has developed an extensive internal quality control program with a 200-page manual to guide this process, which is routinely implemented on our projects. There will be no learning-curve impact on quality for the Kimley-Horn team.

Our approach to frequent communication and Quality Assurance/Quality Control (QA/QC) will relieve County staff of any significant project review efforts. A QA/QC review of project solutions and analysis, together with design reviews, will ensure top quality deliverables for the County. The ultimate goal of each project is to provide a safe and satisfactory outcome for your citizens.

Our formal QA/QC program is based upon assigning experienced senior professionals, who are otherwise qualified to manage a particular project, to serve in an independent quality control role. **Our proposed QA/QC reviewer, Marwan Mufleh, P.E., will use his experience and familiarity with Broward County to ensure we deliver the very same quality of service you have come to expect from Kimley-Horn.**

In addition, we believe that attaining high quality must be a continuous process. Consequently, Kimley-Horn has an annual Continuous Quality Improvement (CQI) event to encourage CQI goals based on firmwide discussions on how we may further improve the quality of our work. Every team is encouraged to submit their CQI proposals for award consideration. These ideas are collected and shared firmwide on the Kimley-Horn intranet website for all employees to access. Additionally, we conduct a "lessons learned" review with our engineers after the completion of projects and distribute those notes to share and review with others at the commencement of every new project.



## CONTINUING

**Engineering Services** FOR **Traffic, Roadway,**AND **Civil** PROJECTS ; BID PNC2119168P1

Our internal QA/QC program will include:

- Kick-off meeting with key team members assigned to the job to clearly define the scope, outline responsibilities, establish schedules, and identify milestones and goals.
- At the end of each phase, a QA/QC review will be conducted as one of several final checks to ensure the project deliverable is technically correct and consistent with your objectives. Any modifications required to address comments from the quality control team will be incorporated prior to submitting deliverables.
- We implement a Constructability Review for every design at 60% design completion to ensure that adequate right of way and/or easements are available to accommodate the design. We also ensure that a maintenance of traffic plan can meet the expectations of the public and the goals of the project.
- We implement a Biddability Review at the 90% phase of the plans production to ensure that bid items, notes, and quantities are clear and accurate.
- We conduct a critically important review of component plans to ensure there are no conflicts between different designer plans. For example, we look for conflicts between trees and signs, utility and drainage pipes, signal foundations and utilities, above ground poles and ADA ramps, etc.
- Our project documentation consists of a standard electronic file structure where all documents are maintained in the official project folder. This electronic system is easily searchable and backed up by our Information Technology department both locally and off-site.
- Each electronic project folder contains a design documentation subfolder. There, we have a tracking system of all project commitments and design decisions. We generate a living milestone and action items list that is updated weekly to ensure that every item is completed. These documents are accessible to the project team.
- Quality control reviews are documented in a separate folder and available for client review or audit. FDOT regularly audits our QC documents.
- We utilize the Bluebeam software to perform and track QC reviews directly on .PDF files. This software allows us to review the history of review comments and to superimpose two versions of a sheet to identify the differences between them.

## Crafting the Design

Broward County residents and visitors are sophisticated and demand public spaces that are safe, walkable, beautiful, livable, and welcoming. Kimley-Horn will review every project issued under this contract specifically and address environmental issues as well as specific aesthetic and pedestrian connectivity concerns; these projects will require creative design solutions that consider complex project requirements. The Kimley-Horn team has applicable experience with all aspects of the Continuing Engineering Services for Traffic, Roadway, and Civil Projects scope of services.



If selected for this project, Kimley-Horn will clarify the Broward County's expectations for design, budget, and schedule in a pre-scope meeting for each project issued under this contract. Upon successful negotiation of a scope and fee for the project and given our notice to proceed, Kimley-Horn will initiate any pre-design services such as surveying and geotechnical studies and review any readily available information. We will meet with the County's project manager to discuss all of the obtained information and identify 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. Finally, Kimley-Horn will provide concepts that will be presented to County 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 transportation and transit projects 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 County 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 County and Regulatory Agencies, we will work with the County throughout the bid phase and construction phase. For the post-design phase of the project, Kimley-Horn's engineers offer highly-experienced and highly-qualified technical input and observation of construction projects. We 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 Timeline

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 Broward County staff.

### PHASE ONE

#### Stage One: Reconnaissance/Understanding/Outreach

As we embark upon each project under this contract, 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 the intent is met
- Project kick-off meeting with County Staff for Development of project procedures, preliminary schedules, development of project database
- Follow-up staff meeting(s) with the County

##### 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. Our survey subconsultant, Stoner and Associates, Inc. is located within Broward County, so they are familiar with the area and can be mobilized quickly and efficiently
- Right-of-Way Boundaries
- Traffic data collection
- Infrastructure review and further testing required such as:
  - Existing utility locates and assessment of utilities
  - Underground Utilities
  - Overhead Electric



## Preparation of Site Opportunities and Constraints

This important document will be presented to the public and County Leadership, acting as a tool to establish the goals and objectives of the project while contextualizing the physical, infrastructural, environmental, regulatory, and socio-cultural opportunities and constraints of the site area.

At the onset of this contract, Kimley-Horn understands the challenges of implementing intersection improvements in Broward County given limited right-of-way, utility conflicts, signal operations/design requirements, and maintenance of traffic challenges. **We have successfully implemented these project types before by leveraging our multidisciplinary engineering team to identify both feasible and creative solutions,** including atypical mast arm foundations design, utility modifications, creative construction phasing approaches, and inventive designs that meet the requirements of the MUTCD.



## Project Programming

Having gathered the necessary data, these early tasks will help to streamline the process by establishing baselines for several key elements of project success:

- Development of overall strategic implementation alternatives and phasing in coordination with the County
- Development of work plans for design and implementation
- Development of protocols for communication, documentation and file management, schedule and budget controls, and Quality Assurance/Quality Control (QA/QC) plan

## Engaging the Public

The Kimley-Horn team values the pivotal role of meaningful and successful public involvement programs that enable area residents and stakeholders to establish priorities for their communities. Community involvement may affect the overall program, funding strategies, and implementation phasing. Kimley-Horn is known for developing innovative approaches to projects that involve community participation. For those projects that require community involvement and acceptance, we have developed effective methods of bringing the community into the process. We are strongly committed to conducting public participation programs that educate, inform, and build consensus for a particular solution. Each project is different in terms of the stakeholders and the critical issues involved, thus each public involvement program must be tailored to specifically address the project's needs. Our team knows that a strong partnership with the community is critical, and we remain diligent in educating, informing, and building consensus among diverse groups.

Our consensus building program will focus on balancing the needs of all users, including County staff and residents, while also accounting for neighbors directly impacted by the proposed improvements. Our program will consist of some or all of 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 County. Stage Two will be broken down into the following tasks:

### Development of Preliminary Conceptual Plans for the Proposed Improvements, such as:

- Traffic signalization intersection improvements for new mast arm supported traffic signals
- Traffic signalization intersection improvements for traffic signal conversions from span-wire to mast arms
- Advanced traffic management systems improvements, including adaptive signal control
- Traffic signal engineering and communications system technology improvements including installation of fiber optic and cellular equipment and infrastructure
- Intelligent transportation systems improvements
- Intelligent transportation system software development
- Vehicle detection camera systems improvements
- Video detection predictive maintenance implementation
- Transportation-related future technology adaptation systems
- Overhead school zone flasher conversions to mast arms, including solar power conversions and relocation of school zone infrastructure to match modified school zone limits
- Conversion of non-flashing school signs to signs with flashing beacons, including solar power installation and relocation of school zone infrastructure to match modified school zone limits
- Pedestrian/bicycle/transit connector linkages
- Traffic signal pedestrian displays
- Roadway alternative engineering and analysis
- Roadway improvements, including widening, pavement, pedestrian facilities, bicycle facilities, drainage, water and sewer, lighting, etc.
- Climate change resiliency drainage improvements including elevation adjustments, sea walls, storm pumping systems, green retention areas, tidal control
- Greenway and sidewalk improvements
- Public Outreach/Consensus Building
- Public meetings
- Meetings with Elected Officials
- Advisory Boards
- Meetings with staff
- Focus Groups
- On-going staff meetings/preparation of progress reports
- County Staff and Kimley-Horn team review of public input



## Preliminary Agency and Permit Coordination

Kimley-Horn's engineers and planners maintain regular contact with virtually all key regulatory agencies and their decision makers. This rich network of interpersonal relationships enables us to provide expeditious service relative to agency reviews and approvals. **Our success in permitting is attributed to four distinct aspects**; knowledge of the criteria, early agency coordination, proper documentation, and relationships that are built on years of trust with the agencies. Oftentimes, our unparalleled reputation and reliable, established contacts enable us to obtain candid assessments of a project's permitting or compliance issues. Our proactive involvement allows us to safeguard your interests long before regulatory changes occur.

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:

- County Planning and Zoning Department
- County Building Department
- Broward County Traffic Engineering
- Broward County Highway Construction and Engineering
- Broward County Transit
- Broward County Utilities or other utilities that may be impacted by the improvements
- Broward County Stormwater Division or another District that may have jurisdiction of a project area
- South Florida Water Management District
- Public Works
- Florida Department of Transportation (FDOT)
- Refine Preliminary Concept Plans, based on public input for confirmation by County
- Others as County staff deems appropriate

## PHASE TWO

### Stage Three: Detailed Design

Once the strategic implementation strategy of improvements have 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 60% level project cost estimate alongside the schematic design package for the County's for review and approval. Refinements to the proposed development include:

- Signal Improvements
- Roadway Improvements
- Signage and Pavement Markings
- Drainage Improvements
- New/Upgraded sidewalks
- New Site Lighting
- Review by County staff
- On-going Permit Coordination with the pertinent agencies that may include the following:
  - County Planning and Zoning Department
  - County Building Department
  - Broward County Traffic Engineering

- Broward County Highway Construction and Engineering
- Broward County Transit
- Broward County Utilities or Other Utilities that may be impacted by the improvements
- Broward County Stormwater Division or another District that may have jurisdiction of a project area
- South Florida Water Management District
- Public Works
- Florida Department of Transportation (FDOT)
- Public Outreach/Updates
  - Public meetings
  - Stakeholder meetings
  - Web Page/Social Media/Email blasts/Printed Materials
- Project Administration/Preparation of Project Progress Reports and Coordination with County staff

### 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 County's review.

### 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. We are experienced in preparing permit applications for these agencies, know what is required to gain approval, and excel in providing the high level of coordination that facilitates an expedited permitting process. Once permits are issued, we track the conditions associated with each permit to ensure that the project remains in compliance through construction and completion.

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

- County Planning and Zoning Department
- County Building Department
- Broward County Traffic Engineering
- Broward County Highway Construction and Engineering
- Broward County Transit
- Broward County Utilities or other utilities that may be impacted by the improvements
- Broward County Stormwater Division or another District that may have jurisdiction of a project area
- South Florida Water Management District
- Public Works
- Florida Department of Transportation (FDOT)

### 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 County making bid award recommendations. Our team can also help in establishing a methodology to set up a procurement process that will help ensure the selection of the most qualified contractor, which should help in maintaining the project within budget and on schedule.

During construction, Kimley-Horn, with support from ASA Consultants, Inc., will ensure that the design intent is met by reviewing product samples and typical installation. We will provide technically skilled field observation staff with extensive experience, familiarity with the existing conditions and utilities in the corridor, experience with County 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 County and Contractor
- Site Observation Reports
- Maintain logs for RFI's, reports, drawings, and 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:

- Threshold inspection services
- Site observation and inspection of utility 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



### 3. Past Performance

#### Advanced Traffic Management System (ATMS) (KITS), Tallahassee

The City of Tallahassee is Florida's state capital and the home of two very important and highly regarded universities. As such, it has unique transportation needs that demand that the City of Tallahassee remain at the forefront of Intelligent Transportation System (ITS) technology. Kimley-Horn currently serves as the software designer, software supplier, and integration consultant for the implementation of a distributed control-based signal system.

TATMS employs 100% fiber optics communications network consisting of 70 miles of fiber cable. The communications are point to multipoint. Second-by-second monitoring of the entire control network is accomplished through high-speed modems in a redundant configuration. A web site with a GIS-based graphical map display and camera image viewing is an advanced system feature. An equipment inventory and maintenance database system has also been interfaced with TATMS. A real-time time-space diagram is supported for multiple intersections to facilitate timing plan analysis and fine-tuning.

The system incorporates ITS features such as closed-circuit television (CCTV) surveillance, variable message sign (VMS) control, a flood detection and warning subsystem, and a traffic advisory radio subsystem. The system includes an interface between the Type 170 controllers and Opticom preemption equipment, which allows preemption activity to be uploaded from the Opticom unit to the central computer via the Type 170 controllers.

Kimley-Horn supplied software development and integration services for the replacement of Tallahassee's citywide traffic signal system. The new system controls approximately 260 signalized intersections and 62 traffic monitoring cameras. Also included in the project are ITS features such as Traveler Advisory Radio, Variable Message Signs, Kiosks, and a city traffic division Internet website.

**Start/End Date:** 2009 – Ongoing

**Project Cost:** \$1,030,092

**Reference:** Wayne Bryan, 850.891.2080, Wayne.Bryan@talgov.com



#### ITS and Smart Parking System Program Management, Miami Beach

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.

**Start/End Date:** 2015 – Ongoing

**Project Cost:** \$1.75 million

**Reference:** Josiel Ferrer-Diaz, 305.673.7000 ext. 26831, josieferrer@miamibeachfl.gov

## Aventura Charter High School School Zone Signal Design, Aventura

Kimley-Horn recently completed design, permitting, and construction phase services for the installation of a school zone on NE 213th Street between NE 31st Avenue and NE 34th Avenue for the Aventura Charter High School. The project included signalization, pavement marking & signage, and underground electric line modifications.

**Start/End Date:** 07/08/2018 – 09/10/2019

**Project Cost:** \$39,750

**Reference:** Tony Tomei, 305.466.8923, tomeit@cityofaventura.com

## Wiles Road Design, Broward County

Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road to a 6-lane divided urban arterial from Rock Island Road to US 441 (SR 7). The firm incorporated the Broward Complete Streets guidelines (also prepared by Kimley-Horn) that were endorsed by the Broward MPO. Complete streets, which are designed to balance all modes of transport, ensure safe access for all users, including pedestrians, bicyclists, motorists and transit riders.

Key elements of the project included a successful public involvement program that included input from area HOA's, public schools, and the City of Coral Springs regarding decorative streetlamps and design of a City entrance monument. Utility impacts were minimized with innovative drainage design techniques that involved filling in an existing ditch/canal that encroached into existing R/W. Kimley-Horn's engineers designed a dry detention area for stormwater attenuation and coordinated with the U.S. Army Corps of Engineers, Pine Tree Water Control District, and SFWMD to develop drainage solutions that avoided the need to acquire additional R/W. Our team also provided utility relocation design services for the City of Coral Springs regarding the repositioning of their water and sewer lines and coordinated the relocation of FPL Transmission poles. We also provided design coordination for landscaping and new decorative streetlamp lighting between the County and City of Coral Springs for a new entrance monument and lighting for the City.

Kimley-Horn's design services included roadway design, drainage, lighting, landscaping, irrigation, signing and marking, signalization, utility coordination, and detailed traffic control plans. The road widening will take into consideration not just the needs of vehicular traffic but also of bikers and pedestrians. Among the different components of the project are a new lane on both sides, wider sidewalks, street lighting, landscaping, a three-foot buffer and four-foot bike lanes. The existing traffic signals will be replaced with mast arm signals.

**Start/End Date:** 2013 – Ongoing

**Project Cost:** \$1.1 million

**Reference:** Michael Hammond, 954.577.4558, mhammond@broward.org



## Las Olas Boulevard Corridor Safety Improvements & Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale

The City of Fort Lauderdale looked at Kimley-Horn's successful design of the Federal Highway road diet project for Delray Beach and asked us to help them with a road diet for a segment of Las Olas Boulevard. The City was interested in providing buffered bike lanes and opportunities for landscaping and emphasizing pedestrian and bike mobility. As we started the data collection and public involvement phase, the need for providing a traffic calming study for the adjacent neighborhood to prevent cut through traffic and to direct traffic to a designated local street became apparent. Our traffic engineers collaborated with our Complete Streets design experts, our roadway design engineers, and City staff to investigate several alternatives including designation of some streets as one-way pair to discourage cut through traffic throughout the neighborhood. This option was discounted in favor of more traffic calming measures. The project involved an extensive public outreach program and many meetings to develop consensus between home owner association representatives. It resulted in design of traffic calming measures throughout the neighborhood including raised intersections, textured pavement, enhanced unsignalized pedestrian crosswalks with LED edge lighted crosswalk signs, special intersection colored pavement, sidewalk connectivity, coordination with the County Engineering and Traffic Divisions, drainage improvements, utility relocation and lighting upgrades, and addition of turn lanes at the major signalized intersections.

**Start/End Date:** 2015 – 2017

**Project Cost:** \$153,262.50

**Reference:** Catherine Prince, 954.828.3794, cprince@fortlauderdale.gov

## Las Olas Boulevard Corridor Safety Improvements, Fort Lauderdale

Kimley-Horn serves as lead engineering consultant for site civil design, roadway design, permitting coordination, stormwater, utility, and franchise utility coordination services for this 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 the road. Oceanside Plaza is being designed so that it can be used for festivals, concerts, and children's play areas and includes a porte cochere drop-off.

**Start/End Date:** 2015 – 2017

**Project Cost:** \$153,262.50

**Reference:** Thomas Green, 954.828.4008, Tgreen@fortlauderdale.gov



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

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.

**Start/End Date:** 2013 – 2016

**Project Cost:** \$82,086

**Reference:** Susan Goldberg, 954.924.2980, [sgoldberg@hollywoodfl.org](mailto:sgoldberg@hollywoodfl.org)



## Districtwide Minor Projects Design Consultant, FDOT District Four

Kimley-Horn was selected for this on-call type of contract where we act as an extension of FDOT District Four staff. We provide a variety of services on a work authorization basis ranging from design and construction plan preparation to providing staff to serve at FDOT offices in any of their different departments on an as needed basis. The projects vary from state to federally funded and include intersection improvements, signal operational improvements, safety improvements, Resurfacing, Restoration, and Rehabilitation (RRR), scoping of projects, cost estimation, environmental, structural and utility services. It also includes information technology, ITS, architecture and other services that may include developing concept reports, 3D modeling, and request for proposals (RFP) on design-build projects. Our team provided services for a number of projects including Sheridan Street and SR A1A Intersection and Signal Improvements, Broward Mobility Pedestrian and Bicycle Improvements, Atlantic Avenue and FL Turnpike Ramp Intersection and Signal Safety Improvements, SR 807 and 10th Ave N. Intersection and Lighting Improvements, Preparation of Design-Build Criteria Package for Interim Design Improvements for a number of I-95 Interchange Ramp Intersections.

**Start/End Date:** 2011 – Ongoing

**Project Cost:** varies per task

**Reference:** Scott Thurman, (954) 777-4135

## SR A1A Complete Streets Design, Hollywood

Kimley-Horn led 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 FDOT District Four 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.

**Start/End Date:** 2014 – Ongoing

**Project Cost:** \$635,001

**Reference:** Steve Joseph, 954.921.3900, sjoseph@hollywoodfl.org

## Resurfacing, Restoration, and Rehabilitation (RRR) of SR A1A from East of Mercedes River Small Bridge to Sunrise Boulevard, FDOT District Four

Kimley-Horn was selected by FDOT District Four for 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.

**Start/End Date:** 2013 – 2014

**Project Cost:** \$3.2 million

**Reference:** Anson Sonnett, 954.777.4474

## SW 67th Avenue Design, Davie

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.

**Start/End Date:** 2013 – 05/01/2019

**Project Cost:** \$148,100

**Reference:** Jonathan Vogt, 954.797.1137, Jonathan\_Vogt@davie-fl.gov



## 4. Workload of Firm

As a national firm with 15 offices in Florida and 90 offices across the United States, Kimley-Horn has hundreds of active contracts in varying stages of completion at any point in time. To provide the information requested for the projects Kimley-Horn has recently completed within the past five years, as well as projects actively current and projected in the near future would be impractical and would not relate to the local staff. For the purposes of this response, we have included a listing of contracts over the past 5 years being performed by our proposed project manager, **Jim Sumislaski, P.E.**, and key members of our roadway design team to demonstrate our availability of resources. We are committed to the success of all your projects and well-equipped to provide team members and the technical resources to ensure success in a timely manner.

### Workload – Past Five Years

Project Name/Client	Start Date	Active	Percentage Complete (Contract Value)
<b>Midway Road</b> , FDOT District Four	2/1/2014	Y	100% (\$1,871,454)
<b>Wiles Road Phase 1</b> , Broward County	5/16/2013	N	100% (\$830,520)
<b>Wiles Road Phase 2</b> , Broward County	7/01/2015	Y	100% (\$827,422)
<b>15th Street Streetscape</b> , City of West Palm Beach	4/21/2014	N	100% (\$124,000)
<b>I-95 17 Interchanges Master Plan</b> , FDOT District Four	2/16/2013	Y	100% (\$1,566,229)
<b>All Electronic Tolling (AET) 5A – SA #13</b> , Florida's Turnpike	6/16/2016	Y	100% (\$1,503,574)
<b>Crosstown Parkway Extension</b> , City of Port St. Lucie/American Consulting	2/16/2013	N	100% (\$976,341)
<b>Broward MPO Complete Streets TIGER Grant</b> , FDOT District Four	8/16/2017	Y	75% (\$752,832)
<b>Georgia Avenue</b> , West Palm Beach	8/21/2017	Y	100% (\$299,967)
<b>SR A1A 3R Resurfacing</b> , FDOT District Four	10/1/2013	Y	100% (\$833,671)
<b>I-95 Master Plan Broward County</b> , URS/ FDOT District Four	9/16/2013	Y	100% (\$533,192)
<b>All Electronic Tolling (AET) PH 5A Sample</b> , Florida's Turnpike	2/16/2015	Y	100% (\$373,063)
<b>Lyons Road/Clint Moore</b> , HSQ Group/Palm Beach County	9/01/2014	Y	100% (\$330,081)
<b>Atlantic Avenue at Turnpike</b> , Palm Beach County	11/16/2013	Y	100% (280,738)
<b>Hollywood A1A Lane Reduction</b> , City of Hollywood	8/01/2014	Y	100% (\$270,195)
<b>SR7</b> , FDOT District Four	6/1/2013	N	100% (\$222,175)
<b>I-95 at Woolbright Road</b> , FDOT District Four	6/6/2014	N	98% (\$127,269)
<b>5th Avenue S Bike and Pedestrian Trail</b> , Lake Worth CRA	4/16/2015	Y	100% (\$188,800)
<b>I-95 at 10th Avenue North</b> , FDOT District Four	2/01/2013	N	98% (\$155,773)
<b>Gateway and Military Trail</b> , Palm Beach County	4/16/2014	Y	95% (\$155,169)

Project Name/Client	Start Date	Active	Percentage Complete (Contract Value)
<b>Las Olas Blvd. Safety &amp; Traffic</b> , City of Fort Lauderdale	3/16/2015	Y	100% (\$153,262)
<b>Acme Dairy and Sunset Palms</b> , Palm Beach County	4/16/2014	Y	95% (\$152,074)
<b>Fern Street Streetscape</b> , City of West Palm Beach	11/16/2014	Y	100% (\$150,238)
<b>Seacrest Blvd. Lane Reduction</b> , Boynton Beach CRA	4/16/2015	Y	100% (\$118,200)
<b>Military Trail at Forest Hill Blvd.</b> , Palm Beach County	7/16/2013	Y	100% (\$110,907)
<b>I-95 at Hypoluxo Road</b> , FDOT District Four	6/16/14	Y	98% (\$110,724)
<b>Wiles Road Phase 3</b> , Broward County	1/18/2018	Y	80% (\$772,530)
<b>Widen Turnpike from Boynton Beach Blvd. to Lake Worth</b> , Florida's Turnpike	5/16/2015	Y	95% (\$7,208,310)
<b>Widen Turnpike Glades to Atlantic</b> , Florida's Turnpike	9/16/2015	Y	70% (\$4,319,828)
<b>Central Boulevard and I-95 Interchange</b> , FDOT/RS&H	5/25/2017	Y	85% (\$771,690)
<b>Comprehensive Street Improvements Design – Phase 2</b> , FDOT/RS&H	1/18/2018	Y	85% (\$149,720)
<b>MR MICCI</b> , FDOT/Gannett Fleming	8/30/2019	Y	0% (\$787,902)
<b>Grade Crossing Improvements</b> , SFRTA	7/09/2018	Y	30% (\$1,893,098)

The key to simultaneously managing assignments on this continuing services contract will be communication and progress tracking. Jim Sumislaski, P.E. meets with senior staff weekly and reviews upcoming deadlines, submittals, and milestones that also consider staff assignments and workload. This allows Jim to assign staff properly so that submittal dates and expectations are met. Jim also takes responsibility for the performance of the subconsultants and communicates regularly with each of them to make sure each is exceeding the expectations of the County.

Jim uses tools such as Microsoft project management scheduling software, Kimley-Horn's accounting tracking, and Excel project tracking sheets in the management of his projects. Being an expert in the Primavera scheduling software allows Jim to correlate and update the schedule on a regular basis, as well as monitor individual tasks that are ahead or behind schedule and identify critical tasks that are upcoming. This greatly assists in identifying staff needs, and most importantly assists with scheduling upcoming QA/QC reviews.

The Kimley-Horn accounting system is a valuable tool in tracking all time charges and can be used to monitor earned revenue against effort. Jim can then evaluate the effectiveness of the team in reaching certain targeted milestones and assure the County that the overall level of effort is met. In addition, Excel spreadsheets can be used to track and summarize major tasks and milestones of a project, as well as show the status of each assignment, budget, and a summary of action items that have been identified or are in progress.

## Challenges – Past and Present

As one of the largest consulting firms in Florida, Kimley-Horn has more than enough staffing, technical resources, and more importantly experience with the local issues to ensure the success of all projects that fall under this continuing services contract. Using a proprietary workload management system known as "cast-aheads," we can forecast needs by office, division, region, and on a firmwide basis. Our regional and divisional managers routinely shift employees and workloads to balance all demand-supply relationships. This ensures that we have more than enough staff and technical resources to complete every assigned project on time and to your satisfaction.

A firm of our size maintains a robust workload at all times and is constantly adding and completing projects across the nation. We understand, however, the importance of knowing we are available to serve you when you need it most; for that reason, **Kimley-Horn takes a proactive approach to managing our workload.** Our process for doing so ensures the availability of firmwide and Florida-based resources for project staffing requirements. Kimley Horn is very progressive when it comes to understanding our current workload and capacity to take on additional work without impacting our availability to clients.

## Projected Projects

Listed below are recent project wins in our Broward and Palm Beach offices. These contracts have not yet been negotiated and/or started:

- Poinciana Drive Design & Post Design Services, Pembroke Pines
- Engineering for Sewer Facility Plan for Shores Estates Subdivision, Miami Shores Village
- The Underline, Miami-Dade County
- Dixie Highway Two-Way Conversion, West Palm Beach
- Midtown Water Main, Town of Palm Beach
- Public Right-of-Way Improvements, City of Delray Beach



## 5. Location

The bulk of production work for this contract will be completed from our local Fort Lauderdale office:

**Kimley-Horn Fort Lauderdale (74 employees)**

600 North Pine Island Road  
Suite 450  
Plantation, FL 33324  
954.535.5100

**Kimley-Horn West Palm Beach (144 employees)**

1920 Wekiva Way  
Suite 200  
West Palm Beach, FL 33411  
561.845.0665; fax 561.863.8175

## 6. Willingness to Meet Time and Budget Requirements

### Budget Control

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 County to ensure your schedule goals for every project are met. Successful project management and delivery requires close coordination between our project manager **Jim Sumislaski, P.E.** and County staff. Jim 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. Jim 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, Jim 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 County staff where project progress, products, issues, schedules, upcoming activities, and obstacles that must be addressed are discussed.

Furthermore, in addition to the aforementioned "cast-aheads" system that allows us to proactively project staffing needs, our "single business unit" mentality means that our offices and regions are not in direct competition with one another. **Instead, we operate with the belief that we are all a part of one large team, with open access to our deep pool of resources and the freedom to pull in special expertise or additional technical assistance when needed.** Without needing to jump through corporate hoops that can create conflict and even delay projects, this seamless internal system allows us to consistently commit to meeting client deadlines and controlling project cost.

Having already served the County on several important projects over the years, you are familiar with the exceptional service and client-first mentality that Kimley-Horn exemplifies. Our responsive, passionate professionals are dedicated to delivering high-quality solutions, meeting your schedule and budget goals, and exceeding your expectations.

## 7. Volume of Work

**Kimley-Horn is proud to have successfully served Broward County** on previous projects for the Engineering Division, Planning and Redevelopment Management Division, Aviation Department, and the County Attorney's Office.

With more than 800 employees throughout the state and robust in-house resources in Broward County and throughout South Florida, we can efficiently manage the work associated with this project – **just as we have done on our previous work with the County**. The information requested for the projects Kimley-Horn has performed for the County within the last five years, completed and/or active, is included in the table below. The awarded dollar amounts include all amendments, purchase orders, and work authorizations to date.

### Volume of Work in Past Five Years with Broward County

Item No.	Project Title	Solicitation/Contract Number:	Department or Division	Date Awarded	Paid to Date Dollar Amount
1	Wiles Road 1	R1032212R1	Engineering Division	5/16/13	1,052,813
2	Wiles Road 2	SC 127 EN071415	Engineering Division	7/1/15	974,066
3	Complete Streets Greenways Integration Study	R1179005Q1	Planning and Redevelopment Division	10/16/13	25,000
4	South US 1 BRT Improvement Study	V1031402P1	Traffic Engineering	5/16/14	677,580
5	FLL SMS	R0981809R1	Aviation	6/30/14	9,192
6	FLL North Airfield Rehabilitation	R1083508R1	Aviation	3/16/15	627,992
7	NE Quadrant	KH-T2-01-15	Aviation	7/16/15	69,620
8	PEV Airspace Analysis	KH-T1-01-15	Aviation	8/16/15	15,697
9	3D AAP/IALP	KH-T3-02-15	Aviation	8/16/15	95,778
10	Landside Analysis	KH-T2-02-15	Aviation	8/16/15	622,623
11	FLL Shaw Property Evaluation	File 15-0690.00	Attorney's Office	10/16/15	115,377
12	Safety Improvements- Perry	RLI #R127790P1	Aviation	11/16/15	196,627
13	Misc. Planning (T3-03-15)	KH-T3-03-15	Aviation	12/16/15	27,169
14	Misc. Planning (KH-T3-06-17)	KH-T3-06-17	Aviation	3/15/17	19,792
15	BCAD FLL ADA Trans Plan	RFP #R1277902P1, WA #KH-T3-05-16, PO #AVP0000038	Aviation	4/16/17	105,806
16	Wiles Road 3	SC 127 EN071415	Engineering Division	1/16/18	581,395
17	FLL-BCAD ST IMP Program Management	PO #AVC1800054	Aviation	8/01/18	51,230



# PNC2119168P1, Continuing Engineering Services for Traffic, Roadway, and Civil Projects

City of Tallahassee

Contact Phone: 850) 891-2080

\$ 1,030,092.00

County 134





## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2119168P1, Continuing Engineering Services for Traffic, Roadway, and Civil Projects

Reference for: Kimley-Horn

Organization/Firm Name providing reference:

City of AventuraContact Name: Tony TomeiTitle: Capital Projects ManagerReference date: 09/10/2019Contact Email: tomeit@cityofaventura.comContact Phone: 305) 466 8923Name of Referenced Project: Aventura Charter High School School Zone Signal Design

Contract No.

Date Services Provided:

Project Amount:

RFP 16-10-05-207/01/2018

to

09/10/2019\$ 39,750.00Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

## Description of services provided by Vendor:

Design, permitting, and construction phase services for the installation of a school zone on NE 213th Street between NE 31st Avenue and NE 34th Avenue for the Aventura Charter High School. The project included signalization, pavement marking signage, and underground electric line modifications.

Please rate your experience with the  
referenced Vendor:Needs  
Improvement

Satisfactory

Excellent

Not  
Applicable

## 1. Vendor's Quality of Service

a. Responsive

☐☐☒☐

b. Accuracy

☐☐☒☐

c. Deliverables

☐☐☒☐

## 2. Vendor's Organization:

a. Staff expertise

☐☐☒☐

b. Professionalism

☐☐☒☐

c. Turnover

☐☐☐☒

## 3. Timeliness of:

a. Project

☐☐☒☐

b. Deliverables

☐☐☒☐

## 4. Project completed within budget

☐☐☒☐

## 5. Cooperation with:

a. Your Firm

☐☐☒☐

b. Subcontractor(s)/Subconsultant s)

☐☐☒☐

c. Regulatory Agency ies)

☐☐☒☐

Additional Comments: provide on additional sheet if needed)

THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: ☐ EMAIL ☐ VERBAL Verified by: \_\_\_\_\_ Division: \_\_\_\_\_ Date: \_\_\_\_\_

All information provided to Broward County is subject to verification. Vendor acknowledges that inaccurate, untruthful, or incorrect statements made in support of this response may be used by the County as a basis for rejection, rescission of the award, or termination of the contract and may also serve as the basis for debarment of Vendor pursuant to Section 21.119 of the Broward County Procurement Code.



## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2119168P1, Continuing Engineering Services for Traffic, Roadway, and Civil Projects

Reference for: Kimley-Horn

Organization/Firm Name providing reference:

City of Miami BeachContact Name: Josiel Ferrer-DiazTitle: Assistant Transportation EngineerReference date: 09/10/2019Contact Email: josielferrer@miamibeachfl.govContact Phone: 305) 673-7000 ext 26831Name of Referenced Project: Program Management Services for an Intelligent Transportation

Contract No.

Date Services Provided:

Project Amount:

10/23/2015 to\$ 1,750,000.00Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

## Description of services provided by Vendor:

The Vendor provides services including development of project documentation including but not limited to Concept of Operations, Project Systems Engineering Management Plan, and a Project Plan detailing an assessment of the communications infrastructure and review of Adaptive Traffic Signal control. Additionally, the Vendor provided procurement support recommendations for the appropriate engineering and construction services needed to accomplish the goals of the project. The Vendor also provides support to the city in traffic engineering tasks, including optimizing signal timing and implementing timing changes, signal plans review, MOT plans review and communicating with key agencies and departments.

## Please rate your experience with the referenced Vendor:

Needs  
Improvement

Satisfactory

Excellent

Not  
Applicable

## 1. Vendor's Quality of Service

a. Responsive

b. Accuracy

c. Deliverables

## 2. Vendor's Organization:

a. Staff expertise

b. Professionalism

c. Turnover

## 3. Timeliness of:

a. Project

b. Deliverables

## 4. Project completed within budget

## 5. Cooperation with:

a. Your Firm

b. Subcontractor(s)/Subconsultant s)

c. Regulatory Agency ies)

Additional Comments: provide on additional sheet if needed)

Great experience with the KHA Team. They offer a wealth of knowledge and the company possesses all the resources to assist in any project.

THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: EMAIL VERBAL Verified by: \_\_\_\_\_ Division: \_\_\_\_\_ Date: \_\_\_\_\_

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## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2119168P1, Continuing Engineering Services for Traffic, Roadway, and Civil Projects

Reference for: Kimley-Horn

Organization/Firm Name providing reference:

Town of Davie

Contact Name: Jonathan Vogt

Title: Town Engineer

Reference date: 09/10/2019

Contact Email: Jonathan\_Vogt@davie-fl.gov

Contact Phone: 954-797-1137

Name of Referenced Project: SW 67th Avenue

Contract No.

Date Services Provided:

Project Amount:

R-2013-23

11/13/2013

to 05/01/2019

\$ 148,100.00

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☐ Yes ☐ No If No, please specify in Additional Comments (below).

## Description of services provided by Vendor:

Roadway extension of SW 67th Avenue north from Orange Drive to SW 41st Court. The project included two travel lanes and a sidewalk. Additionally, the project included the design and permitting of a mid-block crossing on Orange Drive.

Please rate your experience with the  
referenced Vendor:Needs  
Improvement

Satisfactory

Excellent

Not  
Applicable

## 1. Vendor's Quality of Service

a. Responsive

☐☐☒☐

b. Accuracy

☐☒☐☐

c. Deliverables

☐☒☐☐

## 2. Vendor's Organization:

a. Staff expertise

☐☒☐☐

b. Professionalism

☐☐☒☐

c. Turnover

☐☐☐☒

## 3. Timeliness of:

a. Project

☐☒☐☐

b. Deliverables

☐☒☐☐

## 4. Project completed within budget

☐☒☐☐

## 5. Cooperation with:

a. Your Firm

☐☐☒☐

b. Subcontractor(s)/Subconsultant(s)

☐☐☒☐

c. Regulatory Agency(ies)

☐☐☒☐

Additional Comments: (provide on additional sheet if needed)

\*\*\*THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: ☐ EMAIL ☐ VERBAL Verified by: \_\_\_\_\_ Division: \_\_\_\_\_ Date: \_\_\_\_\_

**VENDOR QUESTIONNAIRE AND STANDARD CERTIFICATIONS**  
**Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

Vendor should complete questionnaire and complete and acknowledge the standard certifications and submit with the solicitation response. If not submitted with solicitation response, it must be submitted within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

**If a response requires additional information, the Vendor should upload a written detailed response with submittal; each response should be numbered to match the question number.** The completed questionnaire and attached responses will become part of the procurement record. It is imperative that the person completing the Vendor Questionnaire be knowledgeable about the proposing Vendor's business and operations.

1. Legal business name:
2. Doing Business As/ Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN):
4. Dun and Bradstreet No.:
5. Website address (if applicable):
6. Principal place of business address:
7. Office location responsible for this project:
8. Telephone no.:  Fax no.:
9. Type of business (check appropriate box):
  - ☒ Corporation (specify the state of incorporation):
  - ☐ Sole Proprietor
  - ☐ Limited Liability Company (LLC)
  - ☐ Limited Partnership
  - ☐ General Partnership (State and County Filed In)
  - ☐ Other - Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
  - a)
  - b)
  - c)
  - d)



## 12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name:   
Title:   
E-mail:   
Telephone No.:

Name:   
Title:   
E-mail:   
Telephone No.:

13. Has your firm, its principals, officers or predecessor organization(s) been debarred or suspended by any government entity within the last three years? If yes, specify details in an attached written response. ☐ Yes ☒ No
14. Has your firm, its principals, officers or predecessor organization(s) ever been debarred or suspended by any government entity? If yes, specify details in an attached written response, including the reinstatement date, if granted. ☐ Yes ☒ No
15. Has your firm ever failed to complete any services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. ☐ Yes ☒ No
16. Is your firm or any of its principals or officers currently principals or officers of another organization? If yes, specify details in an attached written response. ☐ Yes ☒ No
17. Have any voluntary or involuntary bankruptcy petitions been filed by or against your firm, its parent or subsidiaries or predecessor organizations during the last three years? If yes, specify details in an attached written response. ☐ Yes ☒ No
18. Has your firm's surety ever intervened to assist in the completion of a contract or have Performance and/or Payment Bond claims been made to your firm or its predecessor's sureties during the last three years? If yes, specify details in an attached written response, including contact information for owner and surety. ☐ Yes ☒ No
19. Has your firm ever failed to complete any work awarded to you, services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. ☐ Yes ☒ No
20. Has your firm ever been terminated from a contract within the last three years? If yes, specify details in an attached written response. ☐ Yes ☒ No
21. Living Wage solicitations only: In determining what, if any, fiscal impacts(s) are a result of the Ordinance for this solicitation, provide the following for informational purposes only. Response is not considered in determining the award of this contract.
- Living Wage had an effect on the pricing. ☐ Yes ☐ No  
☒ N/A

If yes, Living Wage increased the pricing by  % or decreased the pricing by  %.

**Cone of Silence Requirement Certification:**

The Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances prohibits certain communications among Vendors, Commissioners, County staff, and Selection or Evaluation Committee members. Identify on a separate sheet any violations of this Ordinance by any members of the responding firm or its joint ventures. After the application of the Cone of Silence, inquiries regarding this solicitation should be directed to the Director of Purchasing or designee. The Cone of Silence terminates when the County Commission or other awarding authority takes action which ends the solicitation.

The Vendor hereby certifies that: (check each box)

- ☒ The Vendor has read Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances; and
- ☒ The Vendor understands that the Cone of Silence for this competitive solicitation shall be in effect beginning upon the appointment of the Selection or Evaluation Committee, for communication regarding this solicitation with the County Administrator, Deputy County Administrator, Assistant County Administrators, and Assistants to the County Administrator and their respective support staff or any person, including Evaluation or Selection Committee members, appointed to evaluate or recommend selection in this RFP/RLI process. For Communication with County Commissioners and Commission staff, the Cone of Silence allows communication until the initial Evaluation or Selection Committee Meeting.
- ☒ The Vendor agrees to comply with the requirements of the Cone of Silence Ordinance.

**Drug-Free Workplace Requirements Certification:**

Section 21.31.a. of the Broward County Procurement Code requires awards of all competitive solicitations requiring Board award be made only to firms certifying the establishment of a drug free workplace program. The program must consist of:

1. Publishing a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the offeror's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
2. Establishing a continuing drug-free awareness program to inform its employees about:
  - a. The dangers of drug abuse in the workplace;
  - b. The offeror's policy of maintaining a drug-free workplace;
  - c. Any available drug counseling, rehabilitation, and employee assistance programs; and
  - d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
3. Giving all employees engaged in performance of the contract a copy of the statement required by subparagraph 1;
4. Notifying all employees, in writing, of the statement required by subparagraph 1, that as a condition of employment on a covered contract, the employee shall:
  - a. Abide by the terms of the statement; and
  - b. Notify the employer in writing of the employee's conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or of any state, for a violation occurring in the workplace NO later than five days after such conviction.
5. Notifying Broward County government in writing within 10 calendar days after receiving notice under subdivision 4.b above, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
6. Within 30 calendar days after receiving notice under subparagraph 4 of a conviction, taking one of the following actions with respect to an employee who is convicted of a drug abuse violation occurring in the workplace:
  - a. Taking appropriate personnel action against such employee, up to and including termination; or
  - b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency; and
7. Making a good faith effort to maintain a drug-free workplace program through implementation of subparagraphs 1 through 6.

The Vendor hereby certifies that: (check box)

- ☒ The Vendor certifies that it has established a drug free workplace program in accordance with the above

requirements.

**Non-Collusion Certification:**

Vendor shall disclose, to their best knowledge, any Broward County officer or employee, or any relative of any such officer or employee as defined in Section 112.3135 (1) (c), Florida Statutes, who is an officer or director of, or has a material interest in, the Vendor's business, who is in a position to influence this procurement. Any Broward County officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement. Failure of a Vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the Broward County Procurement Code.

The Vendor hereby certifies that: (select one)

- ☒ The Vendor certifies that this offer is made independently and free from collusion; or
- ☒ The Vendor is disclosing names of officers or employees who have a material interest in this procurement and is in a position to influence this procurement. Vendor must include a list of name(s), and relationship(s) with its submittal.

**Public Entities Crimes Certification:**

In accordance with Public Entity Crimes, Section 287.133, Florida Statutes, a person or affiliate placed on the convicted vendor list following a conviction for a public entity crime may not submit on a contract: to provide any goods or services; for construction or repair of a public building or public work; for leases of real property to a public entity; and may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for Category Two for a period of 36 months following the date of being placed on the convicted vendor list.

The Vendor hereby certifies that: (check box)

- ☒ The Vendor certifies that no person or affiliates of the Vendor are currently on the convicted vendor list and/or has not been found to commit a public entity crime, as described in the statutes.

**Scrutinized Companies List Certification:**

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor hereby certifies that: (check each box)

- ☒ The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4275, Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- ☒ The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- ☒ If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

I hereby certify the information provided in the Vendor Questionnaire and Standard Certifications:

Marwan H. Mufleh, P.E.	Senior Vice President	08/28/2019
AUTHORIZED SIGNATURE/NAME	TITLE	DATE

Vendor Name: Kimley-Horn and Associates, Inc.

I certify that I am authorized to sign this solicitation response on behalf of the Vendor as indicated in Certificate as to Corporate Principal, designation letter by Director/Corporate Officer, or other business authorization to bind on behalf of the Vendor. As the Vendor's authorized representative, I attest that any and all statements, oral, written or otherwise, made in support of the Vendor's response, are accurate, true and correct. I also acknowledge that inaccurate, untruthful, or incorrect statements made in support of the Vendor's response may be used by the County as a basis for rejection, rescission of the award, or termination of the contract and may also serve as the basis for debarment of Vendor pursuant to Section 21.119 of the Broward County Procurement Code. I certify that the Vendor's response is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a response for the same items/services, and is in all respects fair and without collusion or fraud. I also certify that the Vendor agrees to abide by all terms and conditions of this solicitation, acknowledge and accept all of the solicitation pages as well as any special instructions sheet(s).



**Office of Economic and Small Business Requirements: CBE Goal Participation**

- A. In accordance with the Broward County Business Opportunity Act of 2012, Section 1-81, Code of Ordinances, as amended (the "Business Opportunity Act"), the County Business Enterprise (CBE) Program is applicable to this contract. All Vendors responding to this solicitation are required to utilize CBE firms to perform the assigned participation goal for this contract.
- B. The CBE participation goal will be established based on the expected expenditure amount for the proposed scope of services for the project. The Office of Economic and Small Business Development (OESBD) will not include alternate items, optional services or allowances when establishing the CBE participation goal. If the County subsequently chooses to award any alternate items, optional services or allowances as determined by OESBD and the Contract Administrator to be related to the scope of services, OESBD may apply the established CBE participation goal. In such an instance, the County will issue a written notice to the successful Vendor that the CBE participation goal will also apply to the alternate items, optional services or allowances. Vendor shall submit all required forms pertaining to its compliance with the CBE participation goal, as applicable. Failure by Vendor to submit the required forms may result in the rejection of Vendor's solicitation submittal prior to the award or failure to comply with the contract requirements may have an impact on the vendor performance evaluation post award, as applicable.
- C. CBE Program Requirements: Compliance with CBE participation goal requirements is a matter of responsibility; Vendor should submit all required forms and information with its solicitation submittal. If the required forms and information are not provided with the Vendor's solicitation submittal, then Vendor must supply the required forms and information no later than three (3) business days after request by OESBD. Vendor may be deemed non-responsible for failure to fully comply with CBE Program Requirements within these stated timeframes.
1. Vendor should include in its solicitation submittal a **Letter Of Intent Between Bidder/Offeror and County Business Enterprise (CBE) Subcontractor/Supplier** for each CBE firm the Vendor intends to use to achieve the assigned CBE participation goal. The form is available at the following link:  
<http://www.broward.org/EconDev/Documents/CBELetterOfIntent.pdf>
  2. If Vendor is unable to attain the CBE participation goal, Vendor should include in its solicitation submittal an **Application for Evaluation of Good Faith Efforts** and all of the required supporting information. The form is available at the following link:  
<http://www.broward.org/EconDev/WhatWeDo/Documents/GoodFaithEffortEval.pdf>
- D. OESBD maintains an online directory of CBE firms. The online directory is available for use by Vendors at <https://webapps4.broward.org/smallbusiness/sbdirectory.aspx>.
- E. For detailed information regarding the CBE Program contact the OESBD at (954) 357-6400 or visit the website at: <http://www.broward.org/EconDev/SmallBusiness/>
- F. If awarded the contract, Vendor agrees to and shall comply with all applicable requirements of the Business Opportunity Act and the CBE Program in the award and administration of the contract.
1. No party to this contract may discriminate on the basis of race, color, sex, religion, national origin, disability, age, marital status, political affiliation, sexual orientation,

pregnancy, or gender identity and expression in the performance of this contract.

2. All entities that seek to conduct business with the County, including Vendor or any Prime Contractors, Subcontractors, and Bidders, shall conduct such business activities in a fair and reasonable manner, free from fraud, coercion, collusion, intimidation, or bad faith. Failure to do so may result in the cancellation of this solicitation, cessation of contract negotiations, revocation of CBE certification, and suspension or debarment from future contracts.
3. If Vendor fails to meet or make Good Faith Efforts (as defined in the Business Opportunity Act) to meet the CBE participation commitment (the "Commitment"), then Vendor shall pay the County liquidated damages in an amount equal to fifty percent (50%) of the actual dollar amount by which Vendor failed to achieve the Commitment, up to a maximum amount of ten percent (10%) of the total contract amount, excluding costs and reimbursable expenses. An example of this calculation is stated in Section 1-81.7, Broward County Code of Ordinances.
4. Vendor shall comply with all applicable requirements of the Business Opportunity Act in the award of this contract. Failure by Vendor to carry out any of these requirements shall constitute a material breach of the contract, which shall permit the County to terminate this contract or to exercise any other remedy provided under this contract, the Broward County Code of Ordinances, the Broward County Administrative Code, or other applicable laws, with all such remedies being cumulative.
5. Vendor shall pay its CBE subcontractors and suppliers, within fifteen (15) days following receipt of payment from the County, for all completed subcontracted work and supplies. If Vendor withholds an amount from CBE subcontractors or suppliers as retainage, such retainage shall be released and paid within fifteen (15) days following receipt of payment of retained amounts from the County.
6. Vendor understands that the County will monitor Vendor's compliance with the CBE Program requirements. Vendor must provide OESBD with a Monthly Utilization Report (MUR) to confirm its compliance with the Commitment agreed to in the contract; timely submission of the MUR every month throughout the term of the contract, including amendment and extension terms, is a condition precedent to the County's payment of Vendor under the contract.



# LETTER OF INTENT

BETWEEN BIDDER/OFFEROR AND  
COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

Solicitation No.: \_\_\_\_\_

Project Title: \_\_\_\_\_

Bidder/Offeror Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Authorized Representative: \_\_\_\_\_ Phone: \_\_\_\_\_

CBE Firm/Supplier Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Authorized Representative: \_\_\_\_\_ Phone: \_\_\_\_\_

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

## Work to be performed by CBE Firm

Description	NAICS <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
			%
			%
			%

**AFFIRMATION:** I hereby affirm that the information above is true and correct.

### CBE Firm/Supplier Authorized Representative

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

### Bidder/Offeror Authorized Representative

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

<sup>1</sup> Visit [Census.gov](http://Census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

<sup>2</sup> To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

*In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.*



# LETTER OF INTENT

## BETWEEN BIDDER/OFFEROR AND COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

**Solicitation No.:** Solicitation PNC2119168P1

**Project Title:** Continuing Engineering Services for Traffic, Roadway, and Civil Projects

**Bidder/Offeror Name:** Kimley-Horn

**Address:** 600 N. Pine Island Rd, #450 **City:** Plantation **State:** FL **Zip:** 33324

**Authorized Representative:** Marwan Mufleh, P.E. **Phone:** 561.845.0665

**CBE Firm/Supplier Name:** Smith Engineering Consultants, Inc.

**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Authorized Representative:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

### Work to be performed by CBE Firm

Description	NAICS <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Smith Engineering Consultants, Inc.		N/A	up to 15 %
			%
			%

**AFFIRMATION:** I hereby affirm that the information above is true and correct.

**CBE Firm/Supplier Authorized Representative**

**Signature:** [Signature] **Title:** President **Date:** 08/28/2019

**Bidder/Offeror Authorized Representative**

**Signature:** [Signature] **Title:** Principal/Senior Vice President **Date:** 08/26/2019

<sup>1</sup> Visit [Census.gov](http://Census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

<sup>2</sup> To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

*In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.*

**Rev.: June 2018**

**Compliance Form No. 004**





# LETTER OF INTENT

## BETWEEN BIDDER/OFFEROR AND COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

**Solicitation No.:** Solicitation PNC2119168P1

**Project Title:** Continuing Engineering Services for Traffic, Roadway, and Civil Projects

**Bidder/Offeror Name:** Kimley-Horn

Address: 600 N. Pine Island Rd, #450 City: Plantation State: FL Zip: 33324

Authorized Representative: Marwan Mufleh, P.E. Phone: 561.845.0665

**CBE Firm/Supplier Name:** Stoner & Associates, Inc.

Address: 4341 SW 62 Ave City: Davie State: FL Zip: 33314

Authorized Representative: James D. Stoner, PSM, President Phone: (954)585-0997

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

### Work to be performed by CBE Firm

Description	NAICS <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Stoner & Associates, Inc.	541370	N/A	up to 15 %
			%
			%

**AFFIRMATION:** I hereby affirm that the information above is true and correct.

**CBE Firm/Supplier Authorized Representative**

Signature: [Signature] Title: President Date: 08/26/2019

**Bidder/Offeror Authorized Representative**

Signature: [Signature] Title: Principal/Senior Vice President Date: 08/26/2019

<sup>1</sup> Visit [Census.gov](http://Census.gov) and select **NAICS** to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

<sup>2</sup> To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

*In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.*

Rev.: June 2018

Compliance Form No. 004

**LOBBYIST REGISTRATION REQUIREMENT CERTIFICATION FORM**

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

The Vendor certifies that it understands if it has retained a lobbyist(s) to lobby in connection with a competitive solicitation, it shall be deemed non-responsive unless the firm, in responding to the competitive solicitation, certifies that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances; and it understands that if, after awarding a contract in connection with the solicitation, the County learns that the certification was erroneous, and upon investigation determines that the error was willful or intentional on the part of the Vendor, the County may, on that basis, exercise any contractual right to terminate the contract for convenience.

The Vendor hereby certifies that: (select one)

- ☒ It has not retained a lobbyist(s) to lobby in connection with this competitive solicitation; however, if retained after the solicitation, the County will be notified.
- ☐ It has retained a lobbyist(s) to lobby in connection with this competitive solicitation and certified that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances.

It is a requirement of this solicitation that the names of any and all lobbyists retained to lobby in connection with this solicitation be listed below:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

**Authorized Signature/Name:**  **Date:**

**Title:**

**Vendor Name:**

**DOMESTIC PARTNERSHIP ACT CERTIFICATION FORM (REQUIREMENT AND  
TIEBREAKER)**

Refer to Special Instructions to identify if Domestic Partnership Act is a requirement of the solicitation or acts only as a tiebreaker. If Domestic Partnership is a requirement of the solicitation, the completed and signed form should be returned with the Vendor's submittal. If the form is not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes. To qualify for the Domestic Partnership tiebreaker criterion, the Vendor must currently offer the Domestic Partnership benefit and the completed and signed form must be returned at time of solicitation submittal.

The Domestic Partnership Act, Section 16 ½ -157, Broward County Code of Ordinances, requires all Vendors contracting with the County, in an amount over \$100,000 provide benefits to Domestic Partners of its employees, on the same basis as it provides benefits to employees' spouses, with certain exceptions as provided by the Ordinance.

For all submittals over \$100,000.00, the Vendor, by virtue of the signature below, certifies that it is aware of the requirements of Broward County's Domestic Partnership Act, Section 16-½ -157, Broward County Code of Ordinances; and certifies the following: (check only one below).

- ☒ 1. The Vendor currently complies with the requirements of the County's Domestic Partnership Act and provides benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses
- ☐ 2. The Vendor will comply with the requirements of the County's Domestic Partnership Act at time of contract award and provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses.
- ☐ 3. The Vendor will not comply with the requirements of the County's Domestic Partnership Act at time of award.
- ☐ 4. The Vendor does not need to comply with the requirements of the County's Domestic Partnership Act at time of award because the following exception(s) applies: **check only one below).**
- ☐ The Vendor is a governmental entity, not-for-profit corporation, or charitable organization.
- ☐ The Vendor is a religious organization, association, society, or non-profit charitable or educational institution.
- ☐ The Vendor provides an employee the cash equivalent of benefits. (Attach an affidavit in compliance with the Act stating the efforts taken to provide such benefits and the amount of the cash equivalent).
- ☐ The Vendor cannot comply with the provisions of the Domestic Partnership Act because it would violate the laws, rules or regulations of federal or state law or would violate or be inconsistent with the terms or conditions of a grant or contract with the United States or State of Florida. Indicate the law, statute or regulation (State the law, statute or regulation and attach explanation of its applicability).

Marwan H. Mufleh, P.E.

**Authorized  
Signature/Name**

Senior Vice President

**Title**

Kimley-Horn and Associates, Inc.

**Vendor Name**

08/28/2019

**Date**

### **Litigation History**

Kimley-Horn and its subsidiaries have provided services in all fifty states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. In the last 3 years, Kimley-Horn has had more than 13,349 active projects in Florida, 6 of which had some form of litigation. Of those cases, 5 were settled and 1 is pending. This represents 0.04% of all projects completed by Kimley-Horn in Florida over the past 3 years. None of the pending matters, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit. If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.

We have provided Litigation History Forms for each material case filed against Kimley-Horn within the past 3 years. Additionally, we have provided forms for cases within Broward County from the past 5 years.



## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- ☐ There are no material cases for this Vendor; or  
☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/>
	Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	16-CA-1148, Renee Borak and Red Borak v. Simon Property Group, Inc., et al 2016 (closed 2016)
Name of Court or other tribunal	15th Judicial Circuit Court, Palm Beach County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	personal injury claim
Brief description of the Subject Matter and Project Involved	Plaintiff tripped and fell
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Eric Jason Ginnis & Hross Zelnick of Ginnis & Krathen, P.A. Email: eg@ginniskrathenlaw.com/hz@ginniskrathenlaw.com Telephone Number: 954-905-4600

Vendor Name: Kimley-Horn and Associates, Inc.

## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/>
	Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	502017CA008616XXXXMB Division: AE; Kathleen Conti v. Simon Property Group, Inc., et al 2017
Name of Court or other tribunal	15th Judicial Circuit Court Palm Beach County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	personal injuries claim
Brief description of the Subject Matter and Project Involved	Individual fell resulting in injuries at the Town Center at Boca Raton, FL
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Matthew B. Wasserman with Shiner Law Group Email: matthew@shinerlawgroup.com Telephone Number: 561-777-7700

Vendor Name: Kimley-Horn and Associates, Inc.

## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- ☐ There are no material cases for this Vendor; or  
☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/>
	Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	2017-000561-CA-01, Lunacon Engineering Group, Corp d/b/a Lunacon Construction Group, Corp v. City of Homestead v. Kimley-Horn and Associates, Inc., et al 2017
Name of Court or other tribunal	11th Judicial Circuit Court Miami-Dade County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	alleged economic loss
Brief description of the Subject Matter and Project Involved	Subcontractor seeks compensation for additional work for Northern Wake Campus Parking Deck, Raleigh, NC
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Michael J. Kurzman, David B. Williams, Jr., and Elizabeth K. Coppolechia with Weiss Serota Helfman Cole & Bierman, P.L. Email: mkurzman@wsh-law.com, dwilliams@wsh-law.com, ecoppolecchia@wsh-law.com Telephone Number: 954-763-4242

Vendor Name: Kimley-Horn and Associates, Inc.

## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	2015-CA-002951-15-W, Sema Construction, Inc. v. City of Altamonte Springs, 2016
Name of Court or other tribunal	18th Judicial Circuit Court, Seminole County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	alleged economic loss
Brief description of the Subject Matter and Project Involved	Alleged design deficiencies related to pavers on Gateway Drive, Altamonte Springs, FL
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Michael C. Sasso/Michael A. Sasso of Sasso & Sasso, P.A. Email: <input type="text"/> notice@sasso-law.com Telephone Number: <input type="text"/> 407-644-7161

Vendor Name:  Kimley-Horn and Associates, Inc.



## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	2017CA-002127, Prime Properties International, LLC v. Kimley-Horn and Associates, Inc., 2017
Name of Court or other tribunal	10th Judicial Circuit Court, Polk County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	alleged economic loss
Brief description of the Subject Matter and Project Involved	Redesign required resulting in the loss of a large sign seen from highway, Davonport, FL
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Katlin C. Cravatta with Foley & Lardner LLP Email: <input type="text"/> kcravatta@foley.com Telephone Number: <input type="text"/> 407-423-4656

Vendor Name:  Kimley-Horn and Associates, Inc.

## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	502016CA003199XXXMB AG, Joan Weinstein v. Simon Property Group LP and The Town Center at Boca Raton Trust, 2016
Name of Court or other tribunal	15th Judicial Circuit, Palm Beach County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	personal injury claim
Brief description of the Subject Matter and Project Involved	individual fell resulting in injuries at the Town Center at Boca Raton, FL
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Jan Duncan of Steinger, Iscoe & Greene P.A. Email: unknown Telephone Number: 561-616-5550

Vendor Name: Kimley-Horn and Associates, Inc.

## LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	CACE-13-009427(05), Deontra Williams v. Florida Department of Transportation., et al, 2015
Name of Court or other tribunal	17th Judicial Circuit Court, Broward County, FL
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	bicycle accident, personal injuries claim
Brief description of the Subject Matter and Project Involved	Bike tire caught in a grate on Commercial Boulevard, Tamarac, FL
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Anthony H. Quackenbush of Kelley/Uustal PLC Email: ahq@kulaw.com Telephone Number: 954-522-6601

Vendor Name: Kimley-Horn and Associates, Inc.

## AGREEMENT EXCEPTION FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, it shall be deemed an affirmation by the Vendor that it accepts the terms and conditions of the County's Agreement as disclosed in the solicitation.

The Vendor must either provide specific proposed alternative language on the form below. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.

- ☒ There are no exceptions to the terms and conditions of the County Agreement as referenced in the solicitation; or
- ☐ The following exceptions are disclosed below: (use additional forms as needed; separate each Article/ Section number)

Term or Condition Article / Section	Insert version of exception or specific proposed alternative language	Provide brief justification for change
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Vendor Name:**



**VOLUME OF PREVIOUS WORK ATTESTATION FORM**

The completed and signed form should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to provide timely may affect the Vendor's evaluation.

**This completed form MUST be included with the Vendor's submittal at the time of the opening deadline to be considered for a Tie Breaker criterion (if applicable).**

Points assigned for Volume of Previous Work will be based on the amount paid-to-date by the County to a prime Vendor **MINUS** the Vendor confirmed payments paid-to-date to approved certified County Business Enterprise (CBE) firms performing services as Vendor subcontractor/subconsultant to obtain the CBE goal commitment as confirmed by County's Office of Economic and Small Business Development. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must list all received payments paid-to-date by contract as a prime vendor from Broward County Board of County Commissioners. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must also list all total confirmed payments paid-to-date by contract, to approved certified CBE firms utilized to obtain the contract's CBE goal commitment. Reporting must be within five (5) years of the current solicitation's opening date.

In accordance with Section 21.31.d. of the Broward County Procurement Code, the Vendor with the lowest dollar volume of work previously paid by the County over a five-year period from the date of the submittal opening will receive the Tie Breaker.

**The Vendor attests to the following:**

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	Prime: Paid to Date	CBE: Paid to Date
1.	See attached.					
2.						
3.						
4.						
5.						
6.						
7.						

Grand Total

--	--

Has the Vendor been a member/partner of a Joint Venture firm that was awarded a contract by the County?

Yes ☐ No ☒

If Yes, Vendor must submit a **Joint Vendor Volume of Work Attestation Form**.

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

Marwan H. Mufleh, P.E.

**Authorized Signature/Name**

Senior Vice President

**Title**

08/28/2019

**Date**

**Volume of Work in Past Five Years with Broward County**

Item No.	Project Title	Solicitation/Contract Number:	Department or Division	Date Awarded	Paid to Date Dollar Amount
1	Wiles Road 1	R1032212R1	Engineering Division	5/16/13	1,052,813.47
2	Wiles Road 2	SC 127 EN071415	Engineering Division	7/1/15	974,066.15
3	Complete Streets Greenways Integration Study	R1179005Q1	Planning and Redevelopment Division	10/16/13	25,000.00
4	South US 1 BRT Improvement Study	V1031402P1	Traffic Engineering	5/16/14	677,579.99
5	FLL SMS	R0981809R1	Aviation	6/30/14	9,192.35
6	FLL North Airfield Rehabilitation	R1083508R1	Aviation	3/16/15	627,992.29
7	NE Quadrant	KH-T2-01-15	Aviation	7/16/15	69,619.69
8	PEV Airspace Analysis	KH-T1-01-15	Aviation	8/16/15	15,697.13
9	3D AAP/IALP	KH-T3-02-15	Aviation	8/16/15	95,777.72
10	Landside Analysis	KH-T2-02-15	Aviation	8/16/15	622,623.49
11	FLL Shaw Property Evaluation	File 15-0690.00	Attorney's Office	10/16/15	115,377.44
12	Safety Improvements-Perry	RLI #R127790P1	Aviation	11/16/15	196,627.50
13	Misc. Planning T3-03-15)	KH-T3-03-15	Aviation	12/16/15	27,169.29
14	Misc. Planning KH-T3-06-17	KH-T3-06-17	Aviation	3/15/17	19,791.56
15	BCAD FLL ADA Trans Plan	RFP #R1277902P1, WA #KH-T3-05-16, PO #AVP0000038	Aviation	4/16/17	105,806.05
16	Wiles Road 3	SC 127 EN071415	Engineering Division	1/16/18	581,394.67
17	FLL-BCAD ST IMP Program Management	PO #AVC1800054	Aviation	8/01/18	51,230.23

**SCRUTINIZED COMPANIES LIST REQUIREMENT CERTIFICATION FORM**

The completed and signed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non responsive for failure to fully comply within stated timeframes.

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor, by virtue of the signature below, certifies that:

- a. The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4725 Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- b. The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- c. If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

Marwan H. Mufleh, P.E.

Senior Vice President

Kimley-Horn and Associates, Inc.

08/28/2019

**Authorized  
Signature/Name****Title****Vendor Name****Date**

**SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**  
**Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.



## **SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**

### **Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

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- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

## **SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**

### **Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

**SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**  
**Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

1. Subcontracted Firm's Name:
- Subcontracted Firm's Address:
- Subcontracted Firm's Telephone Number:
- Contact Person's Name and Position:
- Contact Person's E-Mail Address:
- Estimated Subcontract/Supplies Contract Amount:
- Type of Work/Supplies Provided:

2. Subcontracted Firm's Name:
- Subcontracted Firm's Address:
- Subcontracted Firm's Telephone Number:

## **SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**

### **Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

### **AFFILIATED ENTITIES OF THE PRINCIPAL(S) CERTIFICATION FORM**

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- a. All Vendors are required to disclose the names and addresses of "affiliated entities" of the Vendor's principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County.
- b. The County will review all affiliated entities of the Vendor's principal(s) for contract performance evaluations and the compliance history with the County's Small Business Program, including CBE, DBE and SBE goal attainment requirements. "Affiliated entities" of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.
- c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor's principals in its review and determination of responsibility.

The Vendor hereby certifies that: (select one)

- ☒ No principal of the proposing Vendor has prior affiliations that meet the criteria defined as "Affiliated entities"
- ☐ Principal(s) listed below have prior affiliations that meet the criteria defined as "Affiliated entities"



**RFP-RFQ-RLI LOCATION ATTESTATION FORM (EVALUATION CRITERIA)**

The completed and signed form and supporting information (if applicable, for Joint Ventures) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit this form and supporting information may affect the Vendor's evaluation. Provided information is subject to verification by the County.

A Vendor's principal place of business location (also known as the nerve center) within Broward County is considered in accordance with Evaluation Criteria. The County's definition of a principal place of business is:

1. As defined by the Broward County Local Preference Ordinance, "Principal place of business means the nerve center or center of overall direction, control and coordination of the activities of the bidder [Vendor]. If the bidder has only one (1) business location, such business location shall be considered its principal place of business."
2. A principal place of business refers to the place where a corporation's officers direct, control, and coordinate the corporation's day-to-day activities. It is the corporation's 'nerve center' and in practice it should normally be the place where the corporation maintains its headquarters; provided that the headquarters is the actual center of direction, control, and coordination, i.e., the 'nerve center', and not simply an office where the corporation holds its board meetings for example, attended by directors and officers who have traveled there for the occasion).

The Vendor's principal place of business in Broward County shall be the Vendor's "Principal Address" indicated with the Florida Department of State Division of Corporations, for at least six months prior to the solicitation's due date.

Check one of the following:

☒ The Vendor certifies that it has a principal place of business location (also known as the nerve center) within Broward County, as documented in Florida Department of State Division of Corporations (Sunbiz), and attests to the following statements:

1. Vendor's address listed in its submittal is its principal place of business as defined by Broward County;
2. Vendor's "Principal Address" listed with the Florida Department of State Division of Corporations is the same as the address listed in its submittal and the address was listed for at least six months prior to the solicitation's opening date. A copy of Florida Department of State Division of Corporations (Sunbiz) is attached as verification.
3. Vendor must be located at the listed "nerve center" address ("Principal Address" for at least six (6) months prior to the solicitation's opening date;
4. Vendor has not merged with another firm within the last six months that is not headquartered in Broward County and is not a wholly owned subsidiary or a holding company of another firm that is not headquartered in Broward County;
5. If awarded a contract, it is the intent of the Vendor to remain at the referenced address for the duration of the contract term, including any renewals, extensions or any approved interim contracts for the services provided under this contract; and
6. The Vendor understands that if after contract award, the County learns that the attestation was erroneous, and upon investigation determines that the error was willful or intentional on

the part of the Vendor, the County may, on that basis exercise any contractual right to terminate the contract. Further any misleading, inaccurate, false information or documentation submitted by any party affiliated with this procurement may lead to suspension and/or debarment from doing business with Broward County as outlined in the Procurement Code, Section 21.119.

If the Vendor is submitting a response as a Joint Venture, the following information is required to be submitted:

- a. Name of the Joint Venture Partnership
- b. Percentage of Equity for all Joint Venture Partners
- c. A copy of the executed Agreement(s) between the Joint Venture Partners

**RFP-RLI-RFQ LOCAL PREFERENCE AND TIE BREAKER CERTIFICATION FORM**

The completed and signed form should be returned with the Vendor's submittal to determine Local Preference eligibility, however it must be returned at time of solicitation submittal to qualify for the Tie Break criteria. If not provided with submittal, the Vendor must submit within three business days of County's request for evaluation of Local Preference. Proof of a local business tax should be submitted with this form. Failure to timely submit this form or local business tax receipt may render the business ineligible for application of the Local Preference or Tie Break Criteria.

In accordance with Section 21.31.d. of the Broward County Procurement Code, to qualify for the Tie Break Criteria, the undersigned Vendor hereby certifies that (check box if applicable):

- ☒ The Vendor is a local Vendor in Broward County and:
- has a valid Broward County local business tax receipt;
  - has been in existence for at least six-months prior to the solicitation opening;
  - at a business address physically located within Broward County;
  - in an area zoned for such business;
  - provides services from this location on a day-to-day basis, and
  - services provided from this location are a substantial component of the services offered in the Vendor's proposal.

In accordance with Local Preference, Section 1-74, et. seq., Broward County Code of Ordinances, a local business meeting the below requirements is eligible for Local Preference. To qualify for the Local Preference, the undersigned Vendor hereby certifies that (check box if applicable):

- ☐ The Vendor is a local Vendor in Broward and:
- has a valid Broward County local business tax receipt issued at least one year prior to solicitation opening;
  - has been in existence for at least one-year prior to the solicitation opening;
  - provides services on a day-to-day basis, at a business address physically located within the Broward County limits in an area zoned for such business; and
  - the services provided from this location are a substantial component of the services offered in the Vendor's proposal.

Local Business Address:

Vendor does not qualify for Tie Break Criteria or Local Preference, in accordance with the above requirements. The undersigned Vendor hereby certifies that (check box if applicable): The Vendor is not a local Vendor in Broward County.

Marwan Mufleh, P.E.

Senior Vice President

Kimley-Horn and Associates, Inc.

08/28/2019

**AUTHORIZED  
SIGNATURE/NAME**

**TITLE**

**COMPANY**

**DATE**

## INSURANCE REQUIREMENTS

Project: Continuing Engineering Services for Traffic, Roadway, and Civil Projects  
 Agency: Highway Construction and Engineering Division

TYPE OF INSURANCE	ADDL INSD	SUBR WVD	MINIMUM LIABILITY LIMITS		
				Each Occurrence	Aggregate
<b>GENERAL LIABILITY - Broad form</b> <input checked="" type="checkbox"/> Commercial General Liability <input checked="" type="checkbox"/> Premises-Operations <input type="checkbox"/> XCU Explosion/Collapse/Underground <input checked="" type="checkbox"/> Products/Completed Operations Hazard <input checked="" type="checkbox"/> Contractual Insurance <input checked="" type="checkbox"/> Broad Form Property Damage <input checked="" type="checkbox"/> Independent Contractors <input checked="" type="checkbox"/> Personal Injury <b>Per Occurrence or Claims-Made:</b> <input checked="" type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made <b>Gen'l Aggregate Limit Applies per:</b> <input type="checkbox"/> Project <input type="checkbox"/> Policy <input type="checkbox"/> Loc. <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bodily Injury Property Damage Combined Bodily Injury and Property Damage Personal Injury Products   Completed Operations	\$1,000,000 \$2,000,000	\$2,000,000
<b>AUTO LIABILITY</b> <input checked="" type="checkbox"/> Comprehensive Form <input checked="" type="checkbox"/> Owned <input checked="" type="checkbox"/> Hired <input checked="" type="checkbox"/> Non-owned <input checked="" type="checkbox"/> Any Auto, If applicable <i>Note: May be waived if no driving will be done in performance of services/project.</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bodily Injury (each person) Bodily Injury (each accident) Property Damage Combined Bodily Injury and Property Damage	\$1,000,000	
<input type="checkbox"/> <b>EXCESS LIABILITY / UMBRELLA</b> <b>Per Occurrence or Claims-Made:</b> <input type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made <i>Note: May be used to supplement minimum liability coverage requirements.</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/> <b>WORKER'S COMPENSATION</b> <i>Note: U.S. Longshoremen &amp; Harbor Workers' Act &amp; Jones Act is required for any activities on or about navigable water.</i>	N/A	<input checked="" type="checkbox"/>	Each Accident	STATUTORY LIMITS	
<input checked="" type="checkbox"/> <b>EMPLOYER'S LIABILITY</b>			Each Accident	\$1,000,000	
<input checked="" type="checkbox"/> <b>PROFESSIONAL LIABILITY ERRORS &amp; OMISSIONS)</b> All engineering, surveying and design professionals.	N/A	<input checked="" type="checkbox"/>	If claims-made form: Extended Reporting Period of: Maximum Deductible:	\$2,000,000 3 years \$100,000	
<input type="checkbox"/> <b>POLLUTION/ENVIRONMENTAL LIABILITY</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If claims-made form: Extended Reporting Period of: Maximum Deductible:		
<input type="checkbox"/> Installation floater is required if Builder's Risk or Property are not carried. <i>Note: Coverage must be "All Risk", Completed Value.</i>			Maximum Deductible: Contractor is responsible for deductible	\$10,000	Completed Value
<b>Description of Operations:</b> "Broward County" shall be listed as Certificate Holder and endorsed as an additional insured for liability, except as to Professional Liability. County shall be provided 30 days written notice of cancellation, 10 days' notice of cancellation for non-payment. Contractors insurance shall provide primary coverage and shall not require contribution from the County, self-insurance or otherwise. Any self-insured retention (SIR) higher than the amount permitted in this Agreement must be declared to and approved by County and may require proof of financial ability to meet losses. Contractor is responsible for all coverage deductibles unless otherwise specified in the agreement.					

**CERTIFICATE HOLDER:**

Broward County  
 115 South Andrews Avenue  
 Fort Lauderdale, Florida 33301

*Chouall*  
 cpounall@broward.org  
 cncpounall@broward.org  
 2019.07.11 13:03:41 -0400  
 Risk Management Division

## Principal Officers and Directors List

### Principal Officers

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

### Directors

Name	Title	Business Address	Phone Number	Date of Position
John C. Atz	Chairman	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	919.677.2000	04/29/18
Barry L. Barber	Executive Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919.677.2000	06/01/09
Stephen W. Blakley	Senior Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704.333.5131	01/08/09
Paul B. Danielson	Senior Vice President	767 Eustis Street, Suite 100, St. Paul, MN 55114	651.645.4197	10/27/15
James R. Hall	Senior Vice President	13455 Noel Road, Suite 700, Dallas, TX 75240	972.239.3820	01/03/07
Nicole M. Kerry	Senior Vice President	660 South Figueroa Street, Suite 2050, Los Angeles, CA 90017	213.261.4040	04/17/16
Steven E. Lefton	CEO, President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703.674.1300	04/29/18, 04/17/16
Emmeline F. Montanye	Senior Vice President	817 West Peachtree Street, NW, Suite 601, Atlanta, GA 30308	404.419.8700	4/17/16
Terence T. Murphy	Executive Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703.674.1300	05/01/10
Brooks H. Peed	Chairman Emeritus	445 24th Street, Suite 200, Vero Beach, FL 32960	772.794.4100	05/02/94
Michael G. Schiller	Executive Vice President	7740 N 16th Street, Suite 300, Phoenix, AZ 85020	602.944.5500	05/01/08
Christopher A. Squires	Senior Vice President	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916.858.5800	06/01/04
G. Bradbury Tribble	Senior Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214.420.5600	04/24/14



CONTINUING

Engineering Services FOR Traffic, Roadway,

AND Civil PROJECTS; BID PNC2119168P1

## Licenses

## Kimley-Horn and Associates, Inc.

## State of Florida Department of State

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

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2019, that its most recent annual report/uniform business report was filed on April 27, 2019, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Ninth day of May, 2019*

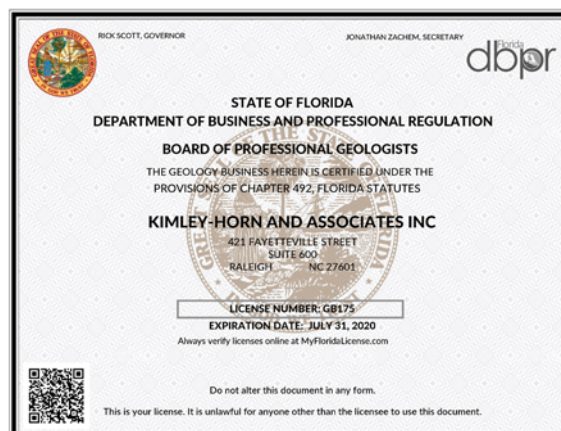
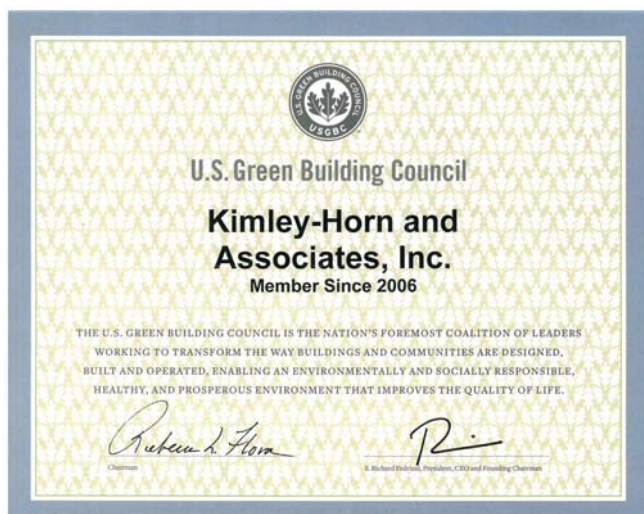
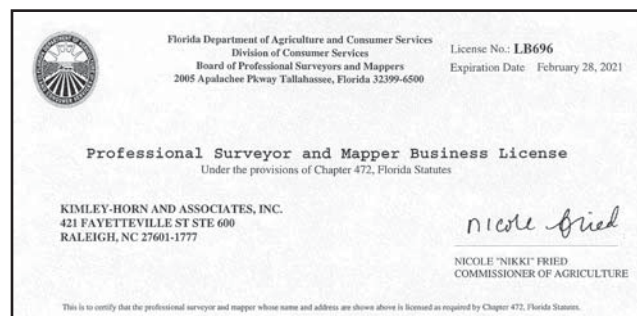
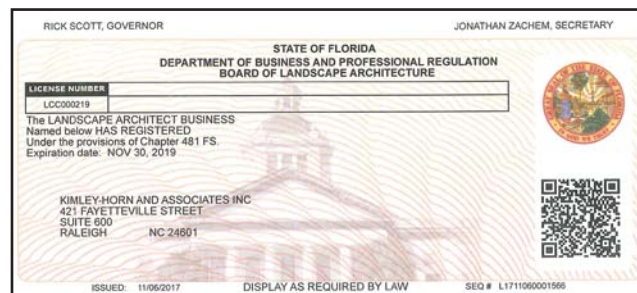
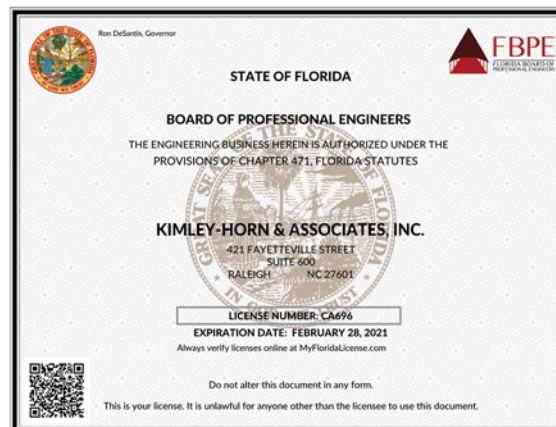


*Samuel R. Bee*  
Secretary of State

Tracking Number: 5900845381CU

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

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



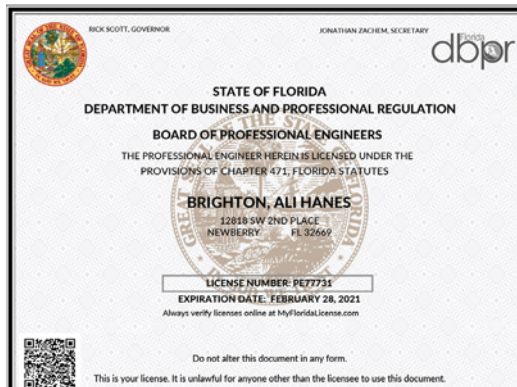
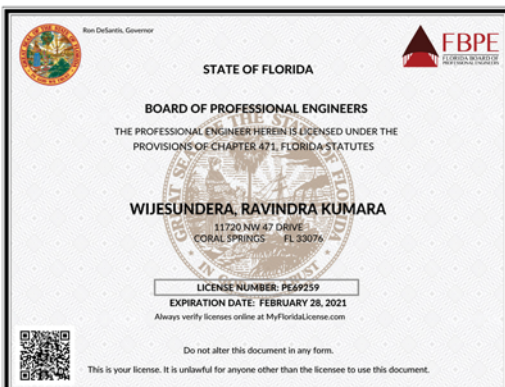
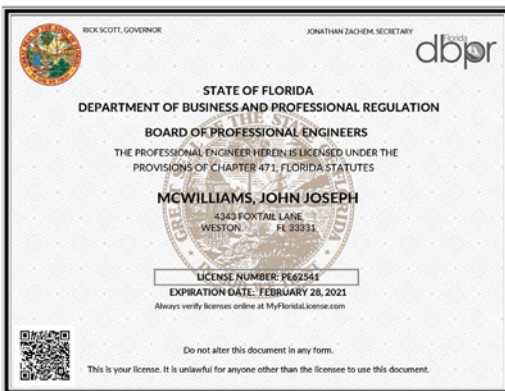
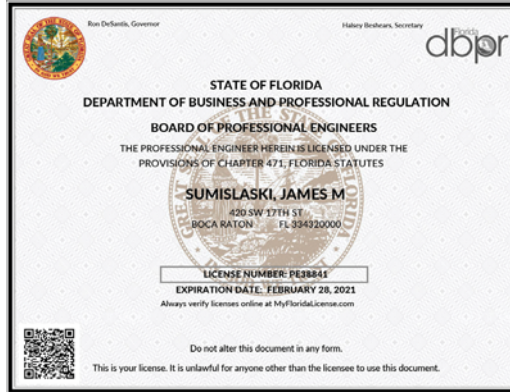
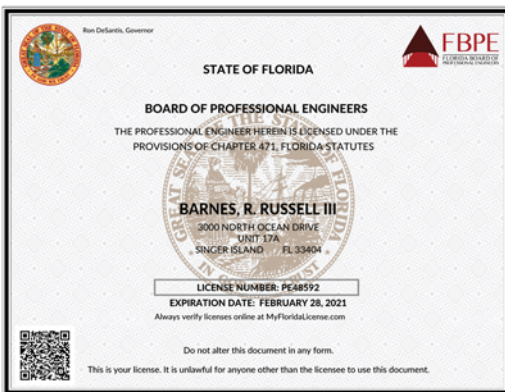
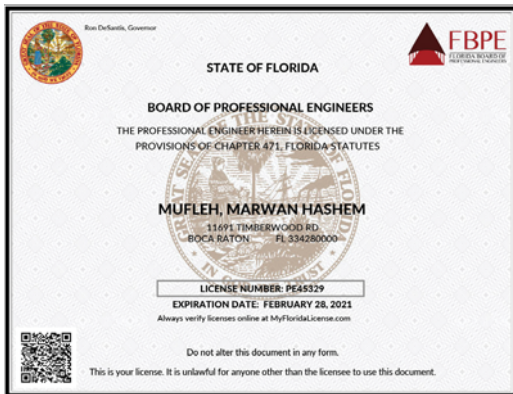


CONTINUING  
Engineering Services FOR Traffic, Roadway,  
AND Civil PROJECTS; BID PNC2119168P1

Broward County Board of  
County Commissioners

PNC2119168P1

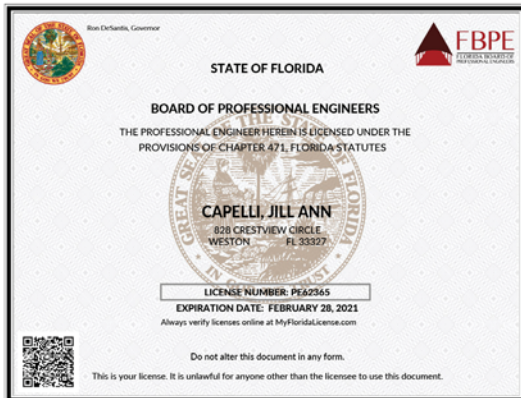
Kimley-Horn and Associates, Inc. (continued)





# CONTINUING Engineering Services FOR Traffic, Roadway, AND Civil PROJECTS; BID PNC2119168P1

## Kimley-Horn and Associates, Inc. (continued)



Florida  
dbpr

DBPR ONLINE SERVICES

Log On Home

Search for a Licensee  
Apply for a License  
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Find Exam Information  
File a Complaint  
AB&T Delinquent  
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List Search

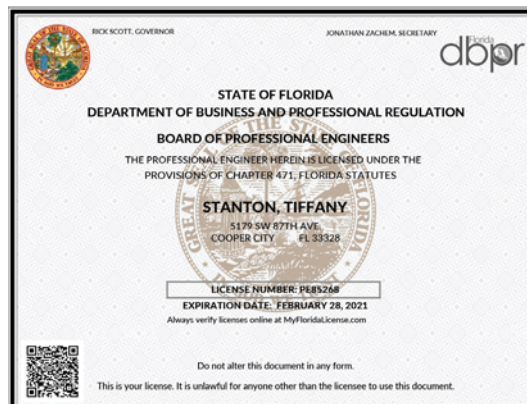
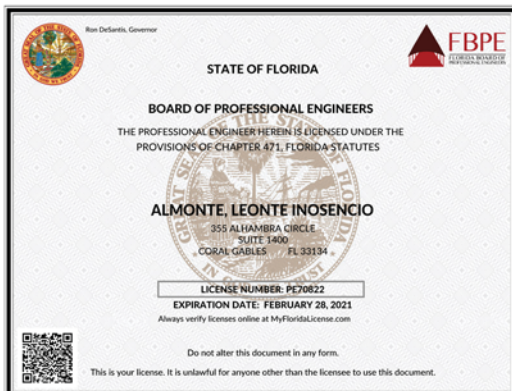
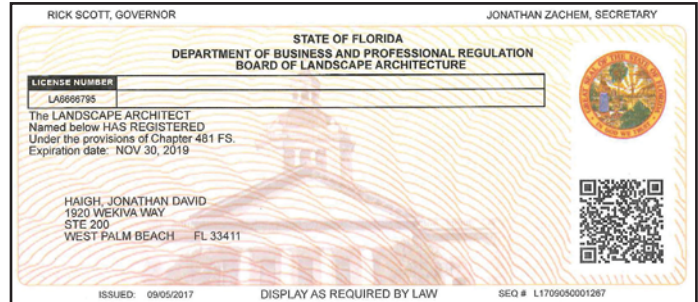
**Licensee Details**

**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**



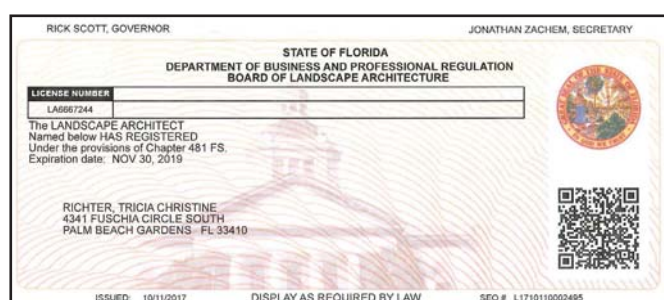
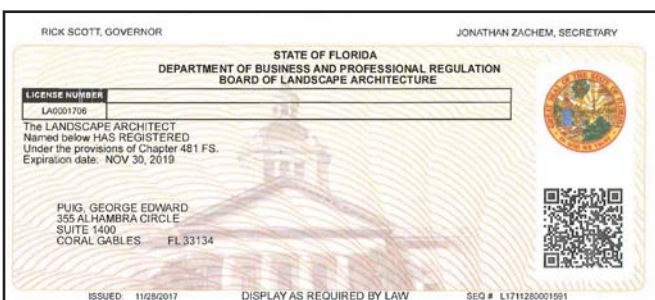
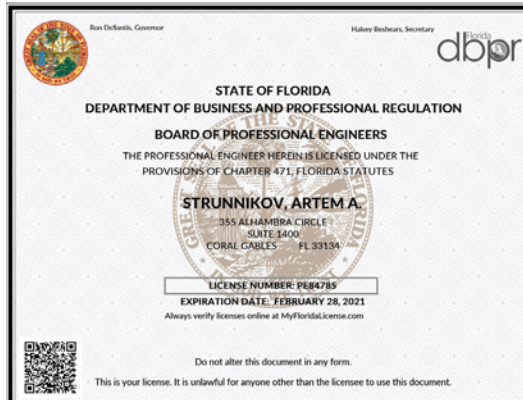
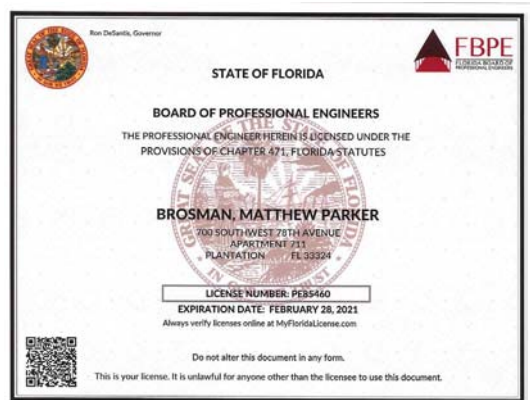
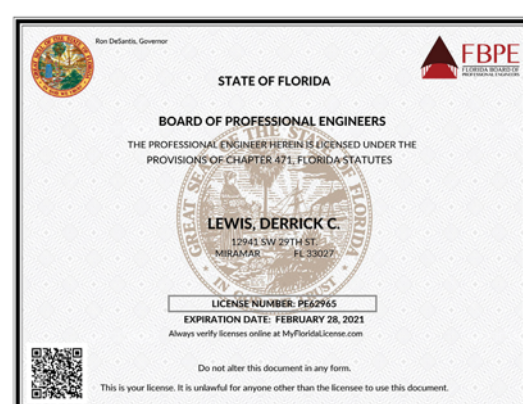
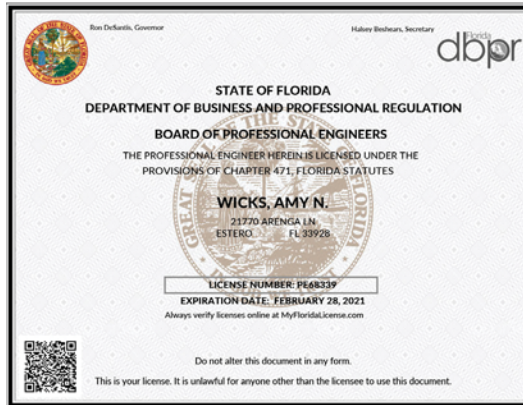
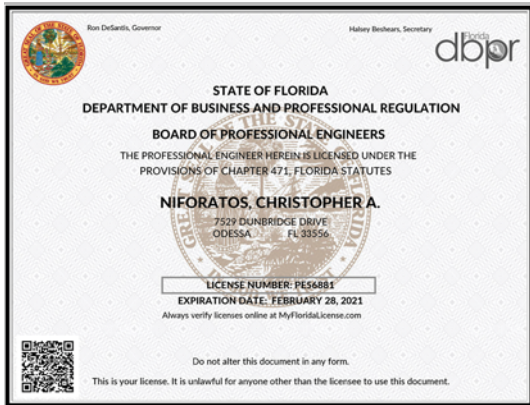


CONTINUING  
Engineering Services FOR Traffic, Roadway,  
AND Civil PROJECTS; BID PNC2119168P1

Broward County Board of  
County Commissioners

PNC2119168P1

Kimley-Horn and Associates, Inc. (continued)



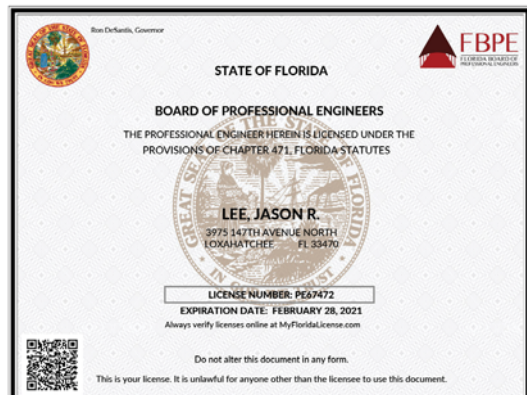
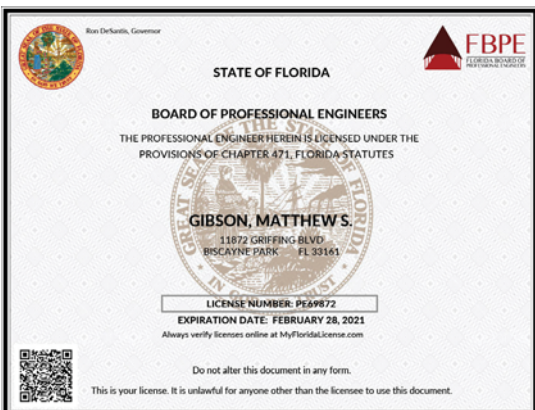
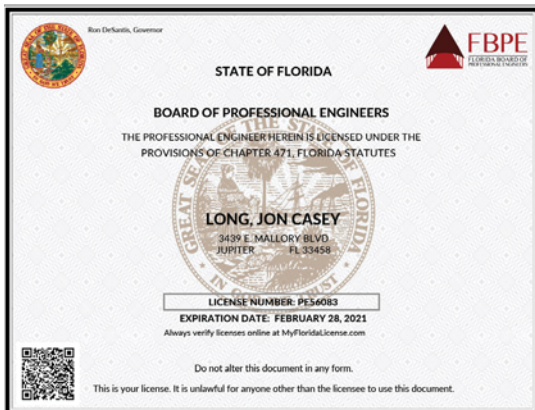
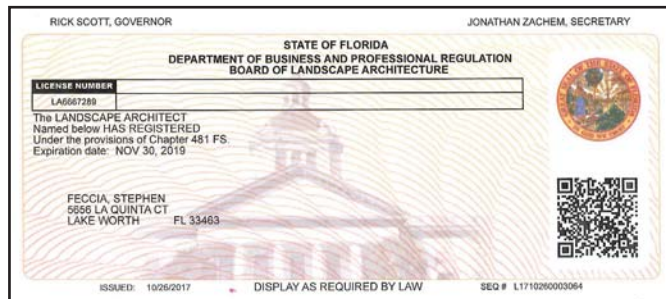
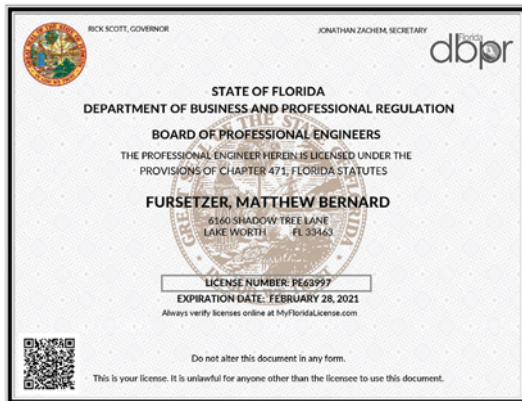


CONTINUING  
**Engineering Services FOR Traffic, Roadway,  
AND Civil PROJECTS**; BID PNC2119168P1

Broward County Board of  
County Commissioners

PNC2119168P1

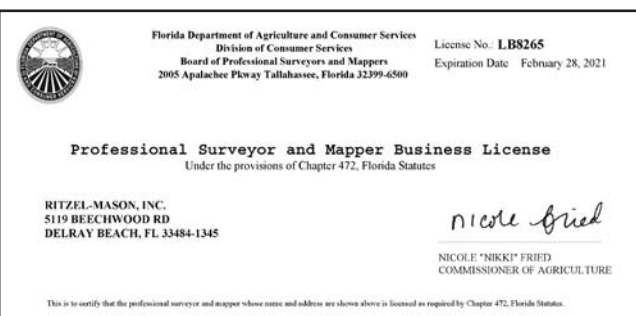
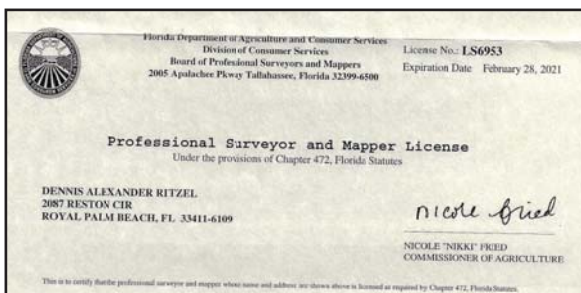
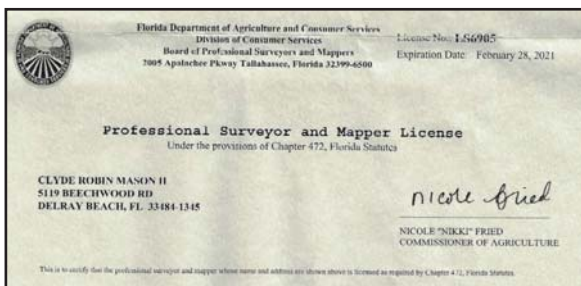
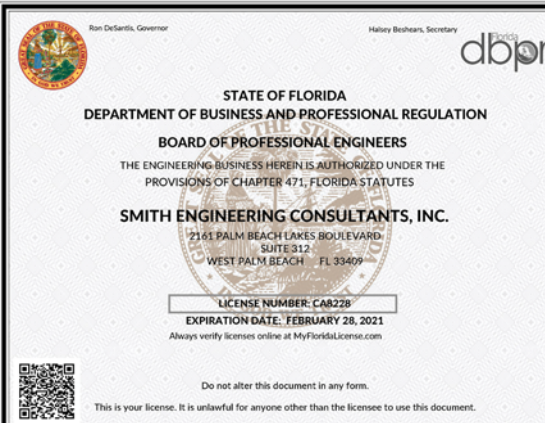
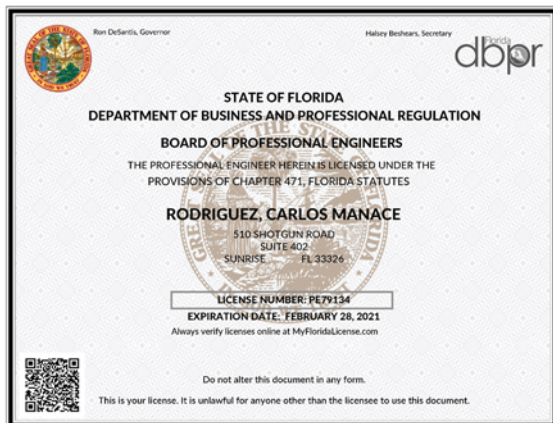
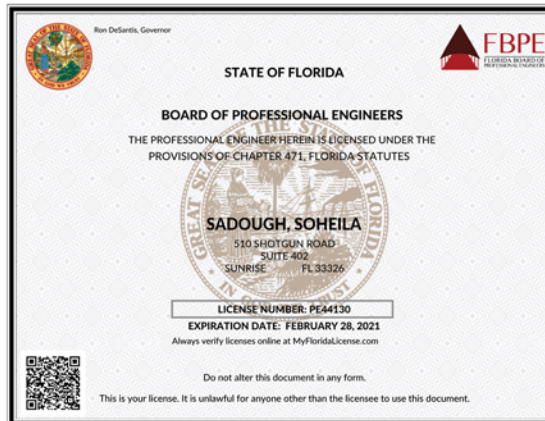
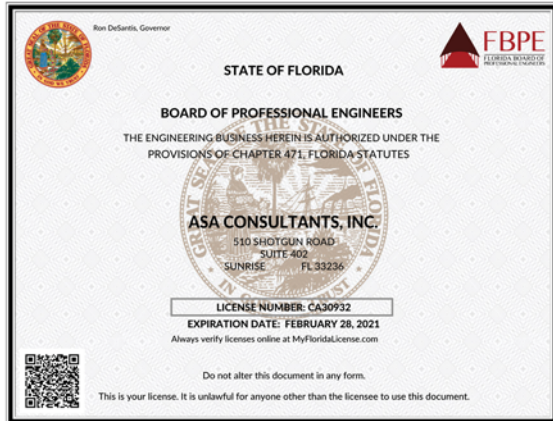
**Kimley-Horn and Associates, Inc. (continued)**





# CONTINUING Engineering Services FOR Traffic, Roadway, AND Civil PROJECTS; BID PNC2119168P1

## Subconsultant Licenses and Certifications



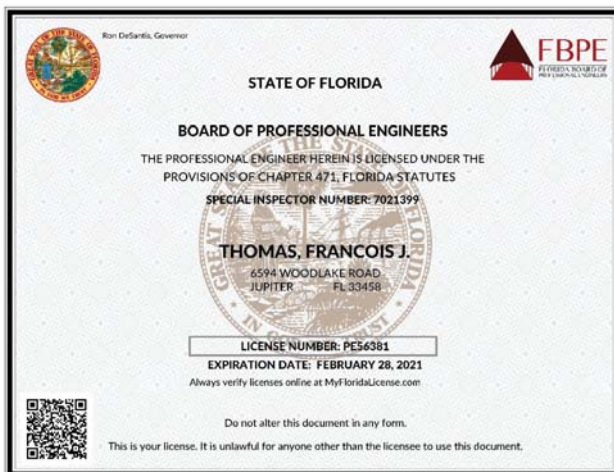
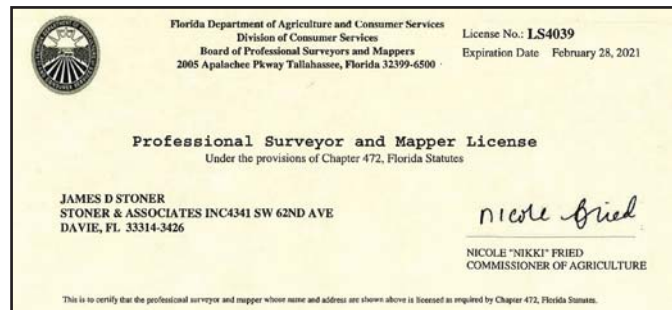
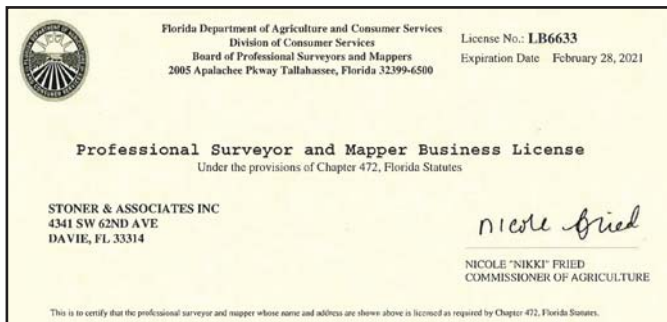


# CONTINUING Engineering Services FOR Traffic, Roadway, AND Civil PROJECTS; BID PNC2119168P1


Broward County Board of  
County Commissioners

PNC2119168P1

## Subconsultant Licenses and Certifications (continued)



## Proof of Insurance

Client#: 25320		KIMLHORN		DATE (MM/DD/YYYY) 3/26/2019			
<b>ACORD™</b>		<b>CERTIFICATE OF LIABILITY INSURANCE</b>					
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p> <p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).</p>							
<b>PRODUCER</b> <b>Greyling Ins. Brokerage/EPIC</b> <b>3780 Mansell Road, Suite 370</b> <b>Alpharetta, GA 30022</b>		<b>CONTACT NAME:</b> Jerry Noyola <b>PHONE A/C, No, Ext):</b> 770-552-4225 <b>FAX A/C, No):</b> 866-550-4082 <b>E-MAIL ADDRESS:</b> jerry.noyola@greyling.com					
<b>INSURED</b> <b>Kimley-Horn and Associates, Inc.</b> <b>421 Fayetteville Street, Suite 600</b> <b>Raleigh, NC 27601</b>		INSURER(S) AFFORDING COVERAGE			NAIC #		
		INSURER A : National Union Fire Ins. Co.			19445		
		INSURER B : Aspen American Insurance Company			43460		
		INSURER C : New Hampshire Ins. Co.			23841		
		INSURER D : Lloyds of London			085202		
		INSURER E :					
INSURER F :							
<b>COVERAGES</b> <span style="float: right;"><b>CERTIFICATE NUMBER: 19-20</b></span> <span style="float: right;"><b>REVISION NUMBER:</b></span>							
<p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p>							
INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF MM/DD/YYYY	POLICY EXP MM/DD/YYYY	LIMITS
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 \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			4489663	04/01/2019	04/01/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$0			CX005FT19	04/01/2019	04/01/2020	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Mandatory in NH If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A		015893685 (AOS) 015893686 (CA)	04/01/2019 04/01/2019	04/01/2020 04/01/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	<b>Professional Liab</b>			B0146LDUSA1904949	04/01/2019	04/01/2020	Per Claim \$2,000,000 Aggregate \$2,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) <b>Proof of Insurance</b>							
<b>CERTIFICATE HOLDER</b>				<b>CANCELLATION</b>			
Sample Certificate				SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.			
				AUTHORIZED REPRESENTATIVE 			
© 1988-2015 ACORD CORPORATION. All rights reserved.							
ACORD 25 (2016/03)		1 of 1		The ACORD name and logo are registered marks of ACORD		JNOY1	
#S1529122/M1513917							

## Business Tax Receipts

### BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA: KIMLEY-HORN & ASSOCIATES INC  
Business Name: KIMLEY-HORN & ASSOCIATES INC  
Owner Name: KIMLEY-HORN & ASSOCIATES INC  
Business Location: 600 N PINE ISLAND RD #450  
FT LAUDERDALE  
Business Phone: 954-739-2233  
Receipt #: 377-13600  
Business Type: OFFICE/SALES/BUSINESS/ADMIN  
(CORP OFFICE)  
Business Opened: 02/01/1984  
State/County/Cert/Reg:  
Exemption Code:

Rooms Seats Employees Machines Professionals

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

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

Mailing Address:

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

Receipt #WWW-17-00167676  
Paid 09/12/2018 45.00

2018 - 2019

### BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA: KIMLEY-HORN & ASSOCIATES INC  
Business Name: KIMLEY-HORN & ASSOCIATES INC  
Owner Name: KIMLEY-HORN & ASSOCIATES INC  
Business Location: 600 N PINE ISLAND RD #450  
FT LAUDERDALE  
Business Phone: 954-739-2233  
Receipt #: 377-13600  
Business Type: OFFICE/SALES/BUSINESS/ADMIN  
(CORP OFFICE)  
Business Opened: 02/01/1984  
State/County/Cert/Reg:  
Exemption Code:

Rooms Seats Employees Machines Professionals

For Vending Business Only						
Number of Machines:			Vending Type:			
Signature	Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost
	45.00	0.00	0.00	0.00	0.00	0.00
						Total Paid
						45.00

Receipt #WWW-17-00167676  
Paid 09/12/2018 45.00



## Business Tax Receipts (continued)

## BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000  
VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019DBA:  
Business Name: ASA CONSULTANTS INCReceipt #: 327-267712  
Business Type: BUSINESS/FINANCIAL/CONSULTANT  
(ENGINEERING CONSULTANT)Owner Name: SOHEILA SADOUGH  
Business Location: 510 SHOTGUN RD STE 402  
SUNRISEBusiness Opened: 03/09/2015  
State/County/Cert/Reg:  
Exemption Code:

Business Phone:

Rooms      Seats      Employees      Machines      Professionals  
5

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	0.00	0.00	0.00	0.00	0.00	33.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

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

Mailing Address:

ASA CONSULTANTS INC  
510 SHOTGUN RD STE 402  
SUNRISE, FL 33326Receipt #WWW-17-00159626  
Paid 07/11/2018 33.00

2018 - 2019

## BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000  
VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019DBA:  
Business Name: ASA CONSULTANTS INCReceipt #: 327-267712  
Business Type: BUSINESS/FINANCIAL/CONSULTANT  
(ENGINEERING CONSULTANT)Owner Name: SOHEILA SADOUGH  
Business Location: 510 SHOTGUN RD STE 402  
SUNRISEBusiness Opened: 03/09/2015  
State/County/Cert/Reg:  
Exemption Code:

Business Phone:

Rooms      Seats      Employees      Machines      Professionals  
5

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	0.00	0.00	0.00	0.00	0.00	33.00

Receipt #WWW-17-00159626  
Paid 07/11/2018 33.00



## Business Tax Receipts (continued)

## BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA:  
Business Name: RITZEL MASON INCReceipt #: 319-299541  
Business Type: ALL OTHERS (SURVEYING AND MAPPING)Owner Name: RITZEL MASON INC  
Business Location: 2131 HOLLYWOOD BLVD SUITE 204 HOLLYWOOD  
Business Phone: 7864720358  
Business Opened: 06/18/2019  
State/County/Cert/Reg:  
Exemption Code:Rooms      Seats      Employees  
5

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
15.00	0.00	0.00	0.00	0.00	0.00	15.00

## THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT  
WHEN VALIDATED

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

## Mailing Address:

RITZEL MASON INC  
2131 HOLLYWOOD BLVD SUITE  
204  
HOLLYWOOD, FL 33020Receipt #WWW-18-00172629  
Paid 06/18/2019 15.00

2018 - 2019

## BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA:  
Business Name: RITZEL MASON INCReceipt #: 319-299541  
Business Type: ALL OTHERS (SURVEYING AND MAPPING)Owner Name: RITZEL MASON INC  
Business Location: 2131 HOLLYWOOD BLVD SUITE 204 HOLLYWOOD  
Business Phone: 7864720358  
Business Opened: 06/18/2019  
State/County/Cert/Reg:  
Exemption Code:Rooms      Seats      Employees  
5

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
15.00	0.00	0.00	0.00	0.00	0.00	15.00

Receipt #WWW-18-00172629  
Paid 06/18/2019 15.00

## Business Tax Receipts (continued)

**BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT**

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

**VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020**DBA:  
Business Name: LARRY M SMITH, PEReceipt #: 315-255623  
Business Type: ENGINEER

Owner Name: SMITH ENGINEERING CONSULTANTS, INC Business Opened: 05/17/2013  
 Business Location: 412 SE 18 ST State/County/Cert/Reg: CA LIC #8228 AUDIT #  
 FT LAUDERDALE Exemption Code:  
 Business Phone: 561-616-3911

Rooms Seats Employees Machines Professionals  
 1

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS****THIS BECOMES A TAX RECEIPT****WHEN VALIDATED**

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

**Mailing Address:**

SMITH ENGINEERING CONSULTANTS, INC  
 2161 PALM BEACH LAKES BLVD  
 STE 312  
 WEST PALM BEACH, FL 33409

Receipt #1CP-18-00009623  
 Paid 07/15/2019 30.00  
 07/12/2019 Effective Date

**2019 - 2020**

CONTINUING  
Engineering Services FOR Traffic, Roadway,  
AND Civil PROJECTS; BID PNC2119168P1

Broward County Board of  
County Commissioners

PNC2119168P1

Business Tax Receipts (continued)

**BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT**

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, THROUGH SEPTEMBER 30, 2020

**DBA:** STONER & ASSOCIATES INC  
**Business Name:** STONER & ASSOCIATES INC  
**Owner Name:** JAMES D STONER  
**Business Location:** 4341 SW 62 AVE  
DAVIE  
**Business Phone:** 954-585-0997  
**Receipt #:** 319-2098  
**Business Type:** ALL OTHERS (LAND SURVEYING)  
**Business Opened:** 09/01/1988  
**State/County/Cert/Reg:** LS0004039  
**Exemption Code:**

Rooms Seats Employees Machines Professionals  
1

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

**THIS BECOMES A TAX RECEIPT**

**WHEN VALIDATED**

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

**Mailing Address:**

JAMES D STONER  
4341 SW 62 AVENUE  
DAVIE, FL 33314-3426

**Receipt #** WWW-18-00177015  
**Paid** 07/03/2019 30.00

**2019 - 2020**

**BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT**

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, THROUGH SEPTEMBER 30, 2020

**DBA:** STONER & ASSOCIATES INC  
**Business Name:** STONER & ASSOCIATES INC  
**Owner Name:** JAMES D STONER  
**Business Location:** 4341 SW 62 AVE  
DAVIE  
**Business Phone:** 954-585-0997  
**Receipt #:** 319-2098  
**Business Type:** ALL OTHERS (LAND SURVEYING)  
**Business Opened:** 09/01/1988  
**State/County/Cert/Reg:** LS0004039  
**Exemption Code:**

Rooms Seats Employees Machines Professionals  
1

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

**Receipt #** WWW-18-00177015  
**Paid** 07/03/2019 30.00

## CBE Certifications


**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT**  
**Governmental Center Annex**

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301  
 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

August 9, 2017

Ms. Soheila Sadough  
**ASA CONSULTANTS, INC.**  
 510 Shotgun Road, Suite 402  
 Sunrise, Florida 33326

Dear Ms. Sadough:

The Broward County Office of Economic and Small Business Development is pleased to announce that your firm's **County Business Enterprise** and **Small Business Enterprise** certification has been renewed.

Your firm's certification is continuing from your anniversary date, but is contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to assure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE program within **thirty (30) days** from your anniversary may result in the expiration of your firm's certification. Should you continue to be interested in certification after it has expired, you will need to submit a new application and all required supporting documentation for review.

To review current Broward County Government bid opportunities visit: [www.broward.org/Purchasing](http://www.broward.org/Purchasing) and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: [www.broward.org/EconDev](http://www.broward.org/EconDev) and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

**NAICS CODE: 541330, 541611**

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

Sandy-Michael McDonald, Director  
 Office of Economic and Small Business Development

**Cert Agency: BC-CBE SBE**  
**ANNIVERSARY DATE: May 31<sup>st</sup>**

Broward County Board of County Commissioners  
 Mark D. Bogen • Beam Furr • Steve Geller • Dale V.C. Holness • Chip LaMarca • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udlene  
[www.broward.org](http://www.broward.org)



CONTINUING

Engineering Services FOR Traffic, Roadway,

AND Civil PROJECTS; BID PNC2119168P1

CBE Certifications (continued)



GREATER ORLANDO  
AVIATION AUTHORITY

*Florida Unified Certification Program*

**Disadvantaged Business Enterprise (DBE)**

**Certificate of Eligibility**

**ASA CONSULTANTS INC**

**MEETS THE REQUIREMENTS OF 49 CFR, PART 26**

APPROVED NAICS CODES:

541990, 541330, 541690

9/22/15  
DATE:

  
VICTORIA V. SMITH, DBE Certification Manager - Florida Department of Transportation



JACKSONVILLE  
TRANSPORTATION  
AUTHORITY



## CBE Certifications (continued)



## OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

June 25, 2019

Mr. Larry M. Smith  
**SMITH ENGINEERING CONSULTING, INC.**  
 412 S.E. 18<sup>th</sup> Street  
 Fort Lauderdale, Florida 33316

Dear Mr. Smith:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within **thirty (30) days** from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit: [www.broward.org/Purchasing](http://www.broward.org/Purchasing) and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: [www.broward.org/EconDev](http://www.broward.org/EconDev) and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following area:

**NAICS CODE: 541330**

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

Sandy-Michael McDonald, Director  
 Office of Economic and Small Business Development

**Cert Agency: BC- CBE**  
**ANNIVERSARY DATE: August 5<sup>th</sup>**

Broward County Board of County Commissioners  
 Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine  
[www.broward.org/econdev](http://www.broward.org/econdev)



**CBE Certifications (continued)**



## FDOT Prequalification Letters

*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.  
SECRETARY

June 14, 2019

Amy McGregor, Vice President  
KIMLEY-HORN AND ASSOCIATES, INC.  
1920 Wekiva Way, Suite 200  
West Palm Beach, Florida 33411

Dear Ms. McGregor:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
  - 3.2 - Major Highway Design
  - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
  - 4.1.1 - Miscellaneous Structures
  - 4.1.2 - Minor Bridge Design
  - 4.2.1 - Major Bridge Design - Concrete
  - 4.2.2 - Major Bridge Design - Steel
- Group 5 - Bridge Inspection
  - 5.1 - Conventional Bridge Inspection
  - 5.3 - Complex Bridge Inspection
  - 5.4 - Bridge Load Rating
- Group 6 - Traffic Engineering and Operations Studies
  - 6.1 - Traffic Engineering Studies
  - 6.2 - Traffic Signal Timing
  - 6.3.1 - Intelligent Transportation Systems Analysis and Design
  - 6.3.2 - Intelligent Transportation Systems Implementation
  - 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
  - 6.3.4 - Intelligent Transportation Systems Software Development

[www.fdot.gov](http://www.fdot.gov)



## FDOT Prequalification Letters (continued)

## Group 7 - Traffic Operations Design

- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization

## Group 10 - Construction Engineering Inspection

- 10.1 - Roadway Construction Engineering Inspection
- 10.3 - Construction Materials Inspection

## Group 11 - Engineering Contract Administration and Management

## Group 13 - Planning

- 13.3 - Policy Planning
- 13.4 - Systems Planning
- 13.5 - Subarea/Corridor Planning
- 13.6 - Land Planning/Engineering

## Group 15 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

## Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
193.59%	173.39%	0.679%	Reimbursed	No	4.13%	2.36%*

\*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at [carliayn.kell@dot.state.fl.us](mailto:carliayn.kell@dot.state.fl.us) or by phone at 850-414-4597.

Sincerely,



Carliayn Kell  
Professional Services  
Qualification Administrator

[www.fdot.gov](http://www.fdot.gov)

## FDOT Prequalification Letters (continued)



### Florida Department of Transportation

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.  
SECRETARY

July 4, 2019

Soheila Sadough, President  
ASA CONSULTANTS, INC.  
510 Shot Gun Road, Suite 402  
Sunrise, Florida 33326

Dear Ms. Sadough:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
  - 3.2 - Major Highway Design
  - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
  - 4.1.1 - Miscellaneous Structures
  - 4.1.2 - Minor Bridge Design
  - 4.2.1 - Major Bridge Design - Concrete
  - 4.2.2 - Major Bridge Design - Steel
  - 4.2.3 - Major Bridge Design - Segmental
- Group 5 - Bridge Inspection
  - 5.1 - Conventional Bridge Inspection
  - 5.4 - Bridge Load Rating
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

#### Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
247.94%	182.32%	0.221%	Excluded	No	1.34%	0.77%*

\*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

## FDOT Prequalification Letters (continued)

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell  
Professional Services  
Qualification Administrator

[www.fdot.gov](http://www.fdot.gov)

## FDOT Prequalification Letters (continued)

*Florida Department of Transportation*RON DESANTIS  
GOVERNOR605 Suwannee Street  
Tallahassee, FL 32399-0450KEVIN J. THIBAUT, P.E.  
SECRETARY

May 20, 2019

Dennis Ritzel, Director of Business Operations  
RITZEL-MASON, INC.  
5119 Beechwood Road  
Delray Beach, Florida 33484

Dear Mr. Ritzel:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 8      - Survey and Mapping
- 8.1      - Control Surveying
- 8.2      - Design, Right of Way & Construction Surveying

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

## Approved Rates

Home/ Branch Overhead	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
114.08%	Reimbursed	No	0.00%

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell  
Professional Services  
Qualification Administrator

[www.fdot.gov](http://www.fdot.gov)



## FDOT Prequalification Letters (continued)

*Florida Department of Transportation*RON DESANTIS  
GOVERNOR605 Suwannee Street  
Tallahassee, FL 32399-0450KEVIN J. THIBAUT, P.E.  
SECRETARY

March 25, 2019

Larry Smith, President  
SMITH ENGINEERING CONSULTANTS, INC.  
2161 Palm Beach Lakes Boulevard, Suite 312  
West Palm Beach, Florida 33409

Dear Mr. Smith:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 6 - Traffic Engineering and Operations Studies

- 6.2 - Traffic Signal Timing
- 6.3.1 - Intelligent Transportation Systems Analysis and Design
- 6.3.2 - Intelligent Transportation Systems Implementation
- 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications

Group 7 - Traffic Operations Design

- 7.2 - Lighting
- 7.3 - Signalization

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until March 25, 2020 for contracting purposes.

Should you have any questions, please feel free to contact me by email at [carliayn.kell@dot.state.fl.us](mailto:carliayn.kell@dot.state.fl.us) or by phone at 850-414-4597.

Sincerely,

Carliayn Kell  
Professional Services  
Qualification Administrator

[www.fdot.gov](http://www.fdot.gov)

## FDOT Prequalification Letters (continued)



## Florida Department of Transportation

RON DESANTIS  
GOVERNOR605 Suwannee Street  
Tallahassee, FL 32399-0450KEVIN J. THIBAUT, P.E.  
SECRETARY

July 9, 2019

Raj Krishnasamy, President  
TIERRA SOUTH FLORIDA, INC.  
2765 Vista Parkway, Suite 10  
West Palm Beach, Florida 33411

Dear Mr. Krishnasamy:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 9 - Soil Exploration, Material Testing and Foundations
- 9.1 - Soil Exploration
  - 9.2 - Geotechnical Classification Laboratory Testing
  - 9.3 - Highway Materials Testing
  - 9.4.1 - Standard Foundation Studies
  - 9.4.2 - Non-Redundant Drilled Shaft Bridge Foundation Studies
  - 9.5 - Geotechnical Specialty Laboratory Testing
- Group 10 - Construction Engineering Inspection
- 10.1 - Roadway Construction Engineering Inspection
  - 10.3 - Construction Materials Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

## Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense	Published Fee Schedule
132.28%	74.78%*	1.562%	Reimbursed	No	11.24%	0.00% <sup>^^</sup>	Yes

\*Interim Rates

<sup>^^</sup>Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell  
Professional Services  
Qualification Administrator

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

**Standard Instructions to Vendors  
Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

Vendors are instructed to read and follow the instructions carefully, as any misinterpretation or failure to comply with instructions may lead to a Vendor's submittal being rejected.

**Vendor MUST submit its solicitation response electronically and MUST confirm its submittal in order for the County to receive a valid response through BidSync. Refer to the [Purchasing Division website](#) or contact BidSync for submittal instructions.**

**A. Responsiveness Criteria:**

In accordance with Broward County Procurement Code Section 21.8.b.65, a Responsive Bidder [Vendor] means a person who has submitted a proposal which conforms in all material respects to a solicitation. The solicitation submittal of a responsive Vendor must be submitted on the required forms, which contain all required information, signatures, notarizations, insurance, bonding, security, or other mandated requirements required by the solicitation documents to be submitted at the time of proposal opening.

Failure to provide the information required below at the time of submittal opening may result in a recommendation Vendor is non-responsive by the Director of Purchasing. The Selection or Evaluation Committee will determine whether the firm is responsive to the requirements specified herein. The County reserves the right to waive minor technicalities or irregularities as is in the best interest of the County in accordance with Section 21.30.f.1(c) of the Broward County Procurement Code.

Below are standard responsiveness criteria; refer to **Special Instructions to Vendors**, for Additional Responsiveness Criteria requirement(s).

**1. Lobbyist Registration Requirement Certification**

Refer to **Lobbyist Registration Requirement Certification**. The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

**2. Addenda**

The County reserves the right to amend this solicitation prior to the due date. Any change(s) to this solicitation will be conveyed through the written addenda process. Only written addenda will be binding. If a "must" addendum is issued, Vendor must follow instructions and submit required information, forms, or acknowledge addendum, as instructed therein. It is the responsibility of all potential Vendors to monitor the solicitation for any changing information, prior to submitting their response.

**B. Responsibility Criteria:**

Definition of a Responsible Vendor: In accordance with Section 21.8.b.64 of the Broward County Procurement Code, a Responsible Vendor means a Vendor who has the capability in all respects to perform the contract requirements, and the integrity and reliability which will assure good faith performance.

The Selection or Evaluation Committee will recommend to the awarding authority a determination of

a Vendor's responsibility. At any time prior to award, the awarding authority may find that a Vendor is not responsible to receive a particular award.

Failure to provide any of this required information and in the manner required may result in a recommendation by the Director of Purchasing that the Vendor is non-responsive.

Below are standard responsibility criteria; refer to **Special Instructions to Vendors**, for Additional Responsibility Criteria requirement(s).

## 1. **Litigation History**

- a. All Vendors are required to disclose to the County all "material" cases filed, pending, or resolved during the last three (3) years prior to the solicitation response due date, whether such cases were brought by or against the Vendor, any parent or subsidiary of the Vendor, or any predecessor organization. Additionally, all Vendors are required to disclose to the County all "material" cases filed, pending, or resolved against any principal of Vendor, regardless of whether the principal was associated with Vendor at the time of the "material" cases against the principal, during the last three (3) years prior to the solicitation response. A case is considered to be "material" if it relates, in whole or in part, to any of the following:
  - i. A similar type of work that the vendor is seeking to perform for the County under the current solicitation;
  - ii. An allegation of fraud, negligence, error or omissions, or malpractice against the vendor or any of its principals or agents who would be performing work under the current solicitation;
  - iii. A vendor's default, termination, suspension, failure to perform, or improper performance in connection with any contract;
  - iv. The financial condition of the vendor, including any bankruptcy petition (voluntary and involuntary) or receivership; or
  - v. A criminal proceeding or hearing concerning business-related offenses in which the vendor or its principals (including officers) were/are defendants.
- b. For each material case, the Vendor is required to provide all information identified in the **Litigation History Form**. Additionally, the Vendor shall provide a copy of any judgment or settlement of any material case during the last three (3) years prior to the solicitation response. Redactions of any confidential portions of the settlement agreement are only permitted upon a certification by Vendor that all redactions are required under the express terms of a pre-existing confidentiality agreement or provision.
- c. The County will consider a Vendor's litigation history information in its review and determination of responsibility.
- d. If the Vendor is a joint venture, the information provided should encompass the joint venture and each of the entities forming the joint venture.
- e. A vendor is required to disclose to the County any and all cases(s) that exist between the County and any of the Vendor's subcontractors/subconsultants proposed to work on this project during the last five (5) years prior to the solicitation response.
- f. Failure to disclose any material case, including all requested information in connection with each such case, as well as failure to disclose the Vendor's subcontractors/subconsultants litigation history against the County, may result in the Vendor being deemed non-responsive.

## 2. **Financial Information**

- a. All Vendors are required to provide the Vendor's financial statements at the time of submittal



in order to demonstrate the Vendor's financial capabilities.

- b. Each Vendor shall submit its most recent two years of financial statements for review. The financial statements are not required to be audited financial statements. The annual financial statements will be in the form of:

- i. Balance sheets, income statements and annual reports; or
- ii. Tax returns; or
- iii. SEC filings.

If tax returns are submitted, ensure it does not include any personal information (as defined under Florida Statutes Section 501.171, Florida Statutes), such as social security numbers, bank account or credit card numbers, or any personal pin numbers. If any personal information data is part of financial statements, redact information prior to submitting a response the County.

- c. If a Vendor has been in business for less than the number of years of required financial statements, then the Vendor must disclose all years that the Vendor has been in business, including any partial year-to-date financial statements.
- d. The County may consider the unavailability of the most recent year's financial statements and whether the Vendor acted in good faith in disclosing the financial documents in its evaluation.
- e. Any claim of confidentiality on financial statements should be asserted at the time of submittal. Refer to **Standard Instructions to Vendors**, Confidential Material/ Public Records and Exemptions for instructions on submitting confidential financial statements. The Vendor's failure to provide the information as instructed may lead to the information becoming public.
- f. Although the review of a Vendor's financial information is an issue of responsibility, the failure to either provide the financial documentation or correctly assert a confidentiality claim pursuant the Florida Public Records Law and the solicitation requirements (Confidential Material/ Public Records and Exemptions section) may result in a recommendation of non-responsiveness by the Director of Purchasing.

### 3. Authority to Conduct Business in Florida

- a. A Vendor must have the authority to transact business in the State of Florida and be in good standing with the Florida Secretary of State. For further information, contact the Florida Department of State, Division of Corporations.
- b. The County will review the Vendor's business status based on the information provided in response to this solicitation.
- c. It is the Vendor's responsibility to comply with all state and local business requirements.
- d. Vendor should list its active Florida Department of State Division of Corporations Document Number (or Registration No. for fictitious names) in the **Vendor Questionnaire**, Question No. 10.
- e. If a Vendor is an out-of-state or foreign corporation or partnership, the Vendor must obtain the authority to transact business in the State of Florida or show evidence of application for the authority to transact business in the State of Florida, upon request of the County.
- f. A Vendor that is not in good standing with the Florida Secretary of State at the time of a

submission to this solicitation may be deemed non-responsible.

- g. If successful in obtaining a contract award under this solicitation, the Vendor must remain in good standing throughout the contractual period of performance.

#### 4. Affiliated Entities of the Principal(s)

- a. All Vendors are required to disclose the names and addresses of “affiliated entities” of the Vendor’s principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County. The Vendor is required to provide all information required on the **Affiliated Entities of the Principal(s) Certification Form**.
- b. The County will review all affiliated entities of the Vendor’s principal(s) for contract performance evaluations and the compliance history with the County’s Small Business Program, including CBE, DBE and SBE goal attainment requirements. “Affiliated entities” of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.
- c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor’s principals in its review and determination of responsibility.

#### 5. Insurance Requirements

The **Insurance Requirement Form** reflects the insurance requirements deemed necessary for this project. It is not necessary to have this level of insurance in effect at the time of submittal, but it is necessary to submit certificates indicating that the Vendor currently carries the insurance or to submit a letter from the carrier indicating it can provide insurance coverages.

#### C. Additional Information and Certifications

The following forms and supporting information (if applicable) should be returned with Vendor’s submittal. If not provided with submittal, the Vendor must submit within three business days of County’s request. Failure to timely submit may affect Vendor’s evaluation.

##### 1. Vendor Questionnaire

Vendor is required to submit detailed information on their firm. Refer to the **Vendor Questionnaire** and submit as instructed.

##### 2. Standard Certifications

Vendor is required to certify to the below requirements. Refer to the **Standard Certifications** and submit as instructed.

- a. **Cone of Silence Requirement Certification**
- b. **Drug-Free Workplace Certification**
- c. **Non-Collusion Certification**
- d. **Public Entities Crimes Certification**
- e. **Scrutinized Companies List Certification**

##### 3. Subcontractors/Subconsultants/Suppliers Requirement

The Vendor shall submit a listing of all subcontractors, subconsultants, and major material suppliers, if any, and the portion of the contract they will perform. Vendors must follow the instructions included on the **Subcontractors/Subconsultants/Suppliers Information Form** and submit as instructed.

#### D. Standard Agreement Language Requirements

1. The acceptance of or any exceptions taken to the terms and conditions of the County's Agreement shall be considered a part of a Vendor's submittal and will be considered by the Selection or Evaluation Committee.
2. The applicable Agreement terms and conditions for this solicitation are indicated in the **Special Instructions to Vendors**.
3. Vendors are required to review the applicable terms and conditions and submit the **Agreement Exception Form**. If the **Agreement Exception Form** is not provided with the submittal, it shall be deemed an affirmation by the Vendor that it accepts the Agreement terms and conditions as disclosed in the solicitation.
4. If exceptions are taken, the Vendor must specifically identify each term and condition with which it is taking an exception. Any exception not specifically listed is deemed waived. Simply identifying a section or article number is not sufficient to state an exception. Provide either a redlined version of the specific change(s) or specific proposed alternative language. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.
5. Submission of any exceptions to the Agreement does not denote acceptance by the County. Furthermore, taking exceptions to the County's terms and conditions may be viewed unfavorably by the Selection or Evaluation Committee and ultimately may impact the overall evaluation of a Vendor's submittal.

#### E. Evaluation Criteria

1. The Selection or Evaluation Committee will evaluate Vendors as per the **Evaluation Criteria**. The County reserves the right to obtain additional information from a Vendor.
2. Vendor has a continuing obligation to inform the County in writing of any material changes to the information it has previously submitted. The County reserves the right to request additional information from Vendor at any time.
3. For Request for Proposals, the following shall apply:
  - a. The Director of Purchasing may recommend to the Evaluation Committee to short list the most qualified firms prior to the Final Evaluation.
  - b. The Evaluation Criteria identifies points available; a total of 100 points is available.
  - c. If the Evaluation Criteria includes a request for pricing, the total points awarded for price is determined by applying the following formula:
$$\frac{(\text{Lowest Proposed Price} / \text{Vendor's Price}) \times (\text{Maximum Number of Points for Price})}{1} = \text{Price Score}$$
  - d. After completion of scoring, the County may negotiate pricing as in its best interest.
4. For Requests for Letters of Interest or Request for Qualifications, the following shall apply:
  - a. The Selection or Evaluation Committee will create a short list of the most qualified firms.
  - b. The Selection or Evaluation Committee will either:

- i. Rank shortlisted firms; or
- ii. If the solicitation is part of a two-step procurement, shortlisted firms will be requested to submit a response to the Step Two procurement.

## **F. Demonstrations**

If applicable, as indicated in Special Instructions to Vendors, Vendors will be required to demonstrate the nature of their offered solution. After receipt of submittals, all Vendors will receive a description of, and arrangements for, the desired demonstration. In accordance with Section 286.0113 of the Florida Statutes and pursuant to the direction of the Broward County Board of Commissioners, demonstrations are closed to only the vendor team and County staff.

## **G. Presentations**

Vendors that are found to be both responsive and responsible to the requirements of the solicitation and/or shortlisted (if applicable) will have an opportunity to make an oral presentation to the Selection or Evaluation Committee on the Vendor's approach to this project and the Vendor's ability to perform. The committee may provide a list of subject matter for the discussion. All Vendor's will have equal time to present but the question-and-answer time may vary. In accordance with Section 286.0113 of the Florida Statutes and the direction of the Broward County Board of Commissioners, presentations during Selection or Evaluation Committee Meetings are closed. Only the Selection or Evaluation Committee members, County staff and the vendor and their team scheduled for that presentation will be present in the Meeting Room during the presentation and subsequent question and answer period.

## **H. Public Art and Design Program**

If indicated in **Special Instructions to Vendors**, Public Art and Design Program, Section 1-88, Broward County Code of Ordinances, applies to this project. It is the intent of the County to functionally integrate art, when applicable, into capital projects and integrate artists' design concepts into this improvement project. The Vendor may be required to collaborate with the artist(s) on design development within the scope of this request. Artist(s) shall be selected by Broward County through an independent process. For additional information, contact the Broward County Cultural Division.

## **I. Committee Appointment**

The Cone of Silence shall be in effect for County staff at the time of the Selection or Evaluation Committee appointment and for County Commissioners and Commission staff at the time of the Shortlist Meeting of the Selection Committee or the Initial Evaluation Meeting of the Evaluation Committee. The committee members appointed for this solicitation are available on the Purchasing Division's website under [Committee Appointment](#).

## **J. Committee Questions, Request for Clarifications, Additional Information**

At any committee meeting, the Selection or Evaluation Committee members may ask questions, request clarification, or require additional information of any Vendor's submittal or proposal. It is highly recommended Vendors attend to answer any committee questions (if requested), including a Vendor representative that has the authority to bind.

Vendor's answers may impact evaluation (and scoring, if applicable). Upon written request to the Purchasing Agent prior to the meeting, a conference call number will be made available for Vendor participation via teleconference. Only Vendors that are found to be both responsive and responsible to the requirements of the solicitation and/or shortlisted (if applicable) are requested to participate in a final (or presentation) Selection or Evaluation committee meeting.



## **K. Vendor Questions**

The County provides a specified time for Vendors to ask questions and seek clarification regarding solicitation requirements. All questions or clarification inquiries must be submitted through BidSync by the date and time referenced in the solicitation document (including any addenda). The County will respond to questions via Bid Sync.

## **L. Confidential Material/ Public Records and Exemptions**

1. Broward County is a public agency subject to Chapter 119, Florida Statutes. Upon receipt, all submittals become "public records" and shall be subject to public disclosure consistent with Chapter 119, Florida Statutes. Submittals may be posted on the County's public website or included in a public records request response, unless there is a declaration of "confidentiality" pursuant to the public records law and in accordance with the procedures in this section.
2. Any confidential material(s) the Vendor asserts is exempt from public disclosure under Florida Statutes must be labeled as "Confidential", and marked with the specific statute and subsection asserting exemption from Public Records.
3. To submit confidential material, three hardcopies must be submitted in a sealed envelope, labeled with the solicitation number, title, date and the time of solicitation opening to:

Broward County Purchasing Division  
115 South Andrews Avenue, Room 212  
Fort Lauderdale, FL 33301

4. Material will not be treated as confidential if the Vendor does not cite the applicable Florida Statute (s) allowing the document to be treated as confidential.
5. Any materials that the Vendor claims to be confidential and exempt from public records must be marked and separated from the submittal. If the Vendor does not comply with these instructions, the Vendor's claim for confidentiality will be deemed as waived.
6. Submitting confidential material may impact full discussion of your submittal by the Selection or Evaluation Committee because the Committee will be unable to discuss the details contained in the documents cloaked as confidential at the publicly noticed Committee meeting.

## **M. Copyrighted Materials**

Copyrighted material is not exempt from the Public Records Law, Chapter 119, Florida Statutes. Submission of copyrighted material in response to any solicitation will constitute a license and permission for the County to make copies (including electronic copies) as reasonably necessary for the use by County staff and agents, as well as to make the materials available for inspection or production pursuant to Public Records Law, Chapter 119, Florida Statutes.

## **N. State and Local Preferences**

If the solicitation involves a federally funded project where the fund requirements prohibit the use of state and/or local preferences, such preferences contained in the Local Preference Ordinance and Broward County Procurement Code will not be applied in the procurement process.

## **O. Local Preference**

Except where otherwise prohibited by federal or state law or other funding source restrictions, a local Vendor whose submittal is within 5% of the highest total ranked Vendor outside of the preference area will become the Vendor with whom the County will proceed with negotiations for a

final contract. Refer to **Local Vendor Certification Form (Preference and Tiebreaker)** for further information.

#### **P. Tiebreaker Criteria**

In accordance with Section 21.31.d of the Broward County Procurement Code, the tiebreaker criteria shall be applied based upon the information provided in the Vendor's response to the solicitation. In order to receive credit for any tiebreaker criterion, complete and accurate information must be contained in the Vendor's submittal.

1. **Local Vendor Certification Form (Preference and Tiebreaker);**
2. **Domestic Partnership Act Certification (Requirement and Tiebreaker);**
3. **Tiebreaker Criteria Form: Volume of Work Over Five Years**

#### **Q. Posting of Solicitation Results and Recommendations**

The Broward County Purchasing Division's [website](#) is the location for the County's posting of all solicitations and contract award results. It is the obligation of each Vendor to monitor the website in order to obtain complete and timely information.

#### **R. Review and Evaluation of Responses**

A Selection or Evaluation Committee is responsible for recommending the most qualified Vendor(s). The process for this procurement may proceed in the following manner:

1. The Purchasing Division delivers the solicitation submittals to agency staff for summarization for the committee members. Agency staff prepares a report, including a matrix of responses submitted by the Vendors. This may include a technical review, if applicable.
2. Staff identifies any incomplete responses. The Director of Purchasing reviews the information and makes a recommendation to the Selection or Evaluation Committee as to each Vendor's responsiveness to the requirements of the solicitation. The final determination of responsiveness rests solely on the decision of the committee.
3. At any time prior to award, the awarding authority may find that a Vendor is not responsible to receive a particular award. The awarding authority may consider the following factors, without limitation: debarment or removal from the authorized Vendors list or a final decree, declaration or order by a court or administrative hearing officer or tribunal of competent jurisdiction that the Vendor has breached or failed to perform a contract, claims history of the Vendor, performance history on a County contract(s), an unresolved concern, or any other cause under this code and Florida law for evaluating the responsibility of a Vendor.

#### **S. Vendor Protest**

Sections 21.118 and 21.120 of the Broward County Procurement Code set forth procedural requirements that apply if a Vendor intends to protest a solicitation or proposed award of a contract and state in part the following:

1. Any protest concerning the solicitation or other solicitation specifications or requirements must be made and received by the County within seven business days from the posting of the solicitation or addendum on the Purchasing Division's website. Such protest must be made in writing to the Director of Purchasing. Failure to timely protest solicitation specifications or requirements is a waiver of the ability to protest the specifications or requirements.

2. Any protest concerning a solicitation or proposed award above the award authority of the Director of Purchasing, after the RLI or RFP opening, shall be submitted in writing and received by the Director of Purchasing within five business days from the posting of the recommendation of award for Invitation to Bids or the final recommendation of ranking for Request for Letters of Interest and Request for Proposals on the Purchasing Division's website.
3. Any actual or prospective Vendor who has a substantial interest in and is aggrieved in connection with the proposed award of a contract that does not exceed the amount of the award authority of the Director of Purchasing, may protest to the Director of Purchasing. The protest shall be submitted in writing and received within three (3) business days from the posting of the recommendation of award for Invitation to Bids or the final recommendation of ranking for Request for Letters of Interest and Request for Proposals on the Purchasing Division's website.
4. For purposes of this section, a business day is defined as Monday through Friday between 8:30 a.m. and 5:00 p.m. Failure to timely file a protest within the time prescribed for a proposed contract award shall be a waiver of the Vendor's right to protest.
5. As a condition of initiating any protest, the protestor shall present the Director of Purchasing a nonrefundable filing fee in accordance with the table below.

<u>Estimated Contract Amount</u>	<u>Filing Fee</u>
\$30,000 - \$250,000	\$ 500
\$250,001 - \$500,000	\$1,000
\$500,001 - \$5 million	\$3,000
Over \$5 million	5,000

If no contract proposal amount was submitted, the estimated contract amount shall be the County's estimated contract price for the project. The County may accept cash, money order, certified check, or cashier's check, payable to Broward County Board of Commissioners.

## **T. Right of Appeal**

Pursuant to Section 21.83.d of the Broward County Procurement Code, any Vendor that has a substantial interest in the matter and is dissatisfied or aggrieved in connection with the Selection or Evaluation Committee's determination of responsiveness may appeal the determination pursuant to Section 21.120 of the Broward County Procurement Code.

1. The appeal must be in writing and sent to the Director of Purchasing within ten (10) calendar days of the determination by the Selection or Evaluation Committee to be deemed timely.
2. As required by Section 21.120, the appeal must be accompanied by an appeal bond by a Vendor having standing to protest and must comply with all other requirements of this section.
3. The institution and filing of an appeal is an administrative remedy to be employed prior to the institution and filing of any civil action against the County concerning the subject matter of the appeal.

## **U. Rejection of Responses**

The Selection or Evaluation Committee may recommend rejecting all submittals as in the best interests of the County. The rejection shall be made by the Director of Purchasing, except when a solicitation was approved by the Board, in which case the rejection shall be made by the Board.

## V. Negotiations

The County intends to conduct the first negotiation meeting no later than two weeks after approval of the final ranking as recommended by the Selection or Evaluation Committee. At least one of the representatives for the Vendor participating in negotiations with the County must be authorized to bind the Vendor. In the event that the negotiations are not successful within a reasonable timeframe (notification will be provided to the Vendor) an impasse will be declared and negotiations with the first-ranked Vendor will cease. Negotiations will begin with the next ranked Vendor, etc. until such time that all requirements of Broward County Procurement Code have been met. In accordance with Section 286.0113 of the Florida Statutes and the direction of the Broward County Board of Commissioners, negotiations resulting from Selection or Evaluation Committee Meetings are closed. Only County staff and the selected vendor and their team will be present during negotiations.

## W. Submittal Instructions:

1. Broward County does not require any personal information (as defined under Section 501.171, Florida Statutes), such as social security numbers, driver license numbers, passport, military ID, bank account or credit card numbers, or any personal pin numbers, in order to submit a response for ANY Broward County solicitation. DO NOT INCLUDE any personal information data in any document submitted to the County. If any personal information data is part of a submittal, this information must be redacted prior to submitting a response to the County.
2. **Vendor MUST submit its solicitation response electronically and MUST confirm its submittal in order for the County to receive a valid response through BidSync.** It is the Vendor's sole responsibility to assure its response is submitted and received through BidSync by the date and time specified in the solicitation.
3. The County will not consider solicitation responses received by other means. Vendors are encouraged to submit their responses in advance of the due date and time specified in the solicitation document. In the event that the Vendor is having difficulty submitting the solicitation document through Bid Sync, immediately notify the Purchasing Agent and then contact BidSync for technical assistance.
4. Vendor must view, submit, and/or accept each of the documents in BidSync. Web-fillable forms can be filled out and submitted through BidSync.
5. After all documents are viewed, submitted, and/or accepted in BidSync, the Vendor must upload additional information requested by the solicitation (i.e. Evaluation Criteria and Financials Statements) in the Item Response Form in BidSync, under line one (regardless if pricing requested).
6. Vendor should upload responses to Evaluation Criteria in Microsoft Word or Excel format.
7. If the Vendor is declaring any material confidential and exempt from Public Records, refer to Confidential Material/ Public Records and Exemptions for instructions on submitting confidential material.
8. After all files are uploaded, Vendor must submit and **CONFIRM** its offer (by entering password) for offer to be received through BidSync.



9. If a solicitation requires an original Proposal Bond (per Special Instructions to Vendors), Vendor must submit in a sealed envelope, labeled with the solicitation number, title, date and the time of solicitation opening to:

Broward County Purchasing Division  
115 South Andrews Avenue, Room 212  
Fort Lauderdale, FL 33301

A copy of the Proposal Bond should also be uploaded into Bid Sync; this does not replace the requirement to have an original proposal bond. Vendors must submit the original Proposal Bond, by the solicitation due date and time.

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

**VENDOR QUESTIONNAIRE AND STANDARD CERTIFICATIONS**  
**Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

Vendor should complete questionnaire and complete and acknowledge the standard certifications and submit with the solicitation response. If not submitted with solicitation response, it must be submitted within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

**If a response requires additional information, the Vendor should upload a written detailed response with submittal; each response should be numbered to match the question number.** The completed questionnaire and attached responses will become part of the procurement record. It is imperative that the person completing the Vendor Questionnaire be knowledgeable about the proposing Vendor's business and operations.

1. Legal business name: **Kimley-Horn and Associates, Inc.**
2. Doing Business As/ Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN): **56-0885615**
4. Dun and Bradstreet No.: **061099131**
5. Website address (if applicable): **kimley-horn.com**
6. Principal place of business address: **421 Fayetteville Street, Suite 600  
Raleigh, NC 27601**
7. Office location responsible for this project: **600 North Pine Island Road, Suite 450  
Plantation, FL 33324**
8. Telephone no.: **954.535.5100** Fax no.:
9. Type of business (check appropriate box):
  - ☒ Corporation (specify the state of incorporation): **North Carolina**
  - ☐ Sole Proprietor
  - ☐ Limited Liability Company (LLC)
  - ☐ Limited Partnership
  - ☐ General Partnership (State and County Filed In)
  - ☐ Other - Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name): **821359**
11. List name and title of each principal, owner, officer, and major shareholder:
  - a) **See attached list.**
  - b)
  - c)
  - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name: **Russell Barnes, P.E.**  
Title: **Senior Vice President**  
E-mail: **Russell.Barnes@kimley-horn.com**  
Telephone No.: **561.845.0665**

Name: **Marwan H. Mufleh, P.E.**  
Title: **Senior Vice President**  
E-mail: **Marwan.Mufleh@kimley-horn.com**  
Telephone No.: **561.845.0665**

13. Has your firm, its principals, officers or predecessor organization(s) been debarred or suspended by any government entity within the last three years? If yes, specify details in an attached written response. ☐ Yes ☒ No
14. Has your firm, its principals, officers or predecessor organization(s) ever been debarred or suspended by any government entity? If yes, specify details in an attached written response, including the reinstatement date, if granted. ☐ Yes ☒ No
15. Has your firm ever failed to complete any services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. ☐ Yes ☒ No
16. Is your firm or any of its principals or officers currently principals or officers of another organization? If yes, specify details in an attached written response. ☐ Yes ☒ No
17. Have any voluntary or involuntary bankruptcy petitions been filed by or against your firm, its parent or subsidiaries or predecessor organizations during the last three years? If yes, specify details in an attached written response. ☐ Yes ☒ No
18. Has your firm's surety ever intervened to assist in the completion of a contract or have Performance and/or Payment Bond claims been made to your firm or its predecessor's sureties during the last three years? If yes, specify details in an attached written response, including contact information for owner and surety. ☐ Yes ☒ No
19. Has your firm ever failed to complete any work awarded to you, services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. ☐ Yes ☒ No
20. Has your firm ever been terminated from a contract within the last three years? If yes, specify details in an attached written response. ☐ Yes ☐ No
21. Living Wage solicitations only: In determining what, if any, fiscal impacts(s) are a result of the Ordinance for this solicitation, provide the following for informational purposes only. Response is not considered in determining the award of this contract.  
Living Wage had an effect on the pricing. ☐ Yes ☐ No  
☒ N/A  
If yes, Living Wage increased the pricing by% or decreased the pricing by%.

**Cone of Silence Requirement Certification:**

The Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances prohibits certain communications among Vendors, Commissioners, County staff, and Selection or Evaluation Committee members. Identify on a separate sheet any violations of this Ordinance by any members of the responding firm or its joint ventures. After the application of the Cone of Silence, inquiries regarding this solicitation should be directed to the Director of Purchasing or designee. The Cone of Silence terminates when the County Commission or other awarding authority takes action which ends the solicitation.

The Vendor hereby certifies that: (check each box)

- ☒ The Vendor has read Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances; and
- ☒ The Vendor understands that the Cone of Silence for this competitive solicitation shall be in effect beginning

upon the appointment of the Selection or Evaluation Committee, for communication regarding this solicitation with the County Administrator, Deputy County Administrator, Assistant County Administrators, and Assistants to the County Administrator and their respective support staff or any person, including Evaluation or Selection Committee members, appointed to evaluate or recommend selection in this RFP/RLI process. For Communication with County Commissioners and Commission staff, the Cone of Silence allows communication until the initial Evaluation or Selection Committee Meeting.

☒ The Vendor agrees to comply with the requirements of the Cone of Silence Ordinance.

**Drug-Free Workplace Requirements Certification:**

Section 21.31.a. of the Broward County Procurement Code requires awards of all competitive solicitations requiring Board award be made only to firms certifying the establishment of a drug free workplace program. The program must consist of:

1. Publishing a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the offeror's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
2. Establishing a continuing drug-free awareness program to inform its employees about:
  - a. The dangers of drug abuse in the workplace;
  - b. The offeror's policy of maintaining a drug-free workplace;
  - c. Any available drug counseling, rehabilitation, and employee assistance programs; and
  - d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
3. Giving all employees engaged in performance of the contract a copy of the statement required by subparagraph 1;
4. Notifying all employees, in writing, of the statement required by subparagraph 1, that as a condition of employment on a covered contract, the employee shall:
  - a. Abide by the terms of the statement; and
  - b. Notify the employer in writing of the employee's conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or of any state, for a violation occurring in the workplace NO later than five days after such conviction.
5. Notifying Broward County government in writing within 10 calendar days after receiving notice under subdivision 4.b above, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
6. Within 30 calendar days after receiving notice under subparagraph 4 of a conviction, taking one of the following actions with respect to an employee who is convicted of a drug abuse violation occurring in the workplace:
  - a. Taking appropriate personnel action against such employee, up to and including termination; or
  - b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency; and
7. Making a good faith effort to maintain a drug-free workplace program through implementation of subparagraphs 1 through 6.

The Vendor hereby certifies that: (check box)

☒ The Vendor certifies that it has established a drug free workplace program in accordance with the above requirements.

**Non-Collusion Certification:**

Vendor shall disclose, to their best knowledge, any Broward County officer or employee, or any relative of any such officer or employee as defined in Section 112.3135 (1) (c), Florida Statutes, who is an officer or director of, or has a material interest in, the Vendor's business, who is in a position to influence this procurement. Any Broward



County officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement. Failure of a Vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the Broward County Procurement Code.

The Vendor hereby certifies that: (select one)

- ☒ The Vendor certifies that this offer is made independently and free from collusion; or
- ☒ The Vendor is disclosing names of officers or employees who have a material interest in this procurement and is in a position to influence this procurement. Vendor must include a list of name(s), and relationship(s) with its submittal.

**Public Entities Crimes Certification:**

In accordance with Public Entity Crimes, Section 287.133, Florida Statutes, a person or affiliate placed on the convicted vendor list following a conviction for a public entity crime may not submit on a contract: to provide any goods or services; for construction or repair of a public building or public work; for leases of real property to a public entity; and may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for Category Two for a period of 36 months following the date of being placed on the convicted vendor list.

The Vendor hereby certifies that: (check box)

- ☒ The Vendor certifies that no person or affiliates of the Vendor are currently on the convicted vendor list and/or has not been found to commit a public entity crime, as described in the statutes.

**Scrutinized Companies List Certification:**

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor hereby certifies that: (check each box)

- ☒ The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4275, Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- ☒ The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- ☒ If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

I hereby certify the information provided in the Vendor Questionnaire and Standard Certifications:

<b>Marwan H. Mufleh, P.E.</b>	<b>Senior Vice President</b>	<b>08/28/2019</b>
<hr/>	<hr/>	<hr/>
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE

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

\* I certify that I am authorized to sign this solicitation response on behalf of the Vendor as indicated in Certificate as to Corporate Principal, designation letter by Director/Corporate Officer, or other business authorization to bind on behalf of the Vendor. As the Vendor's authorized representative, I attest that any and all statements, oral, written or otherwise, made in support of the Vendor's response, are accurate, true and correct. I also acknowledge that inaccurate, untruthful, or incorrect statements made in support of the Vendor's response may be used by the County as a basis for rejection, rescission of the award, or termination of the contract and may also serve as the basis for debarment of Vendor pursuant to Section 21.119 of the Broward County Procurement Code. I certify that the Vendor's response is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a response for the same items/services, and is in all respects fair and without collusion or fraud. I also certify that the Vendor agrees to abide by all terms and conditions of this solicitation, acknowledge and accept all of the solicitation pages as well as any special instructions sheet(s).

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

**Office of Economic and Small Business Requirements: CBE Goal Participation**

- A. In accordance with the Broward County Business Opportunity Act of 2012, Section 1-81, Code of Ordinances, as amended (the "Business Opportunity Act"), the County Business Enterprise (CBE) Program is applicable to this contract. All Vendors responding to this solicitation are required to utilize CBE firms to perform the assigned participation goal for this contract.
- B. The CBE participation goal will be established based on the expected expenditure amount for the proposed scope of services for the project. The Office of Economic and Small Business Development (OESBD) will not include alternate items, optional services or allowances when establishing the CBE participation goal. If the County subsequently chooses to award any alternate items, optional services or allowances as determined by OESBD and the Contract Administrator to be related to the scope of services, OESBD may apply the established CBE participation goal. In such an instance, the County will issue a written notice to the successful Vendor that the CBE participation goal will also apply to the alternate items, optional services or allowances. Vendor shall submit all required forms pertaining to its compliance with the CBE participation goal, as applicable. Failure by Vendor to submit the required forms may result in the rejection of Vendor's solicitation submittal prior to the award or failure to comply with the contract requirements may have an impact on the vendor performance evaluation post award, as applicable.
- C. CBE Program Requirements: Compliance with CBE participation goal requirements is a matter of responsibility; Vendor should submit all required forms and information with its solicitation submittal. If the required forms and information are not provided with the Vendor's solicitation submittal, then Vendor must supply the required forms and information no later than three (3) business days after request by OESBD. Vendor may be deemed non-responsible for failure to fully comply with CBE Program Requirements within these stated timeframes.
1. Vendor should include in its solicitation submittal a **Letter Of Intent Between Bidder/Offeror and County Business Enterprise (CBE) Subcontractor/Supplier** for each CBE firm the Vendor intends to use to achieve the assigned CBE participation goal. The form is available at the following link:  
<http://www.broward.org/EconDev/Documents/CBELetterOfIntent.pdf>
  2. If Vendor is unable to attain the CBE participation goal, Vendor should include in its solicitation submittal an **Application for Evaluation of Good Faith Efforts** and all of the required supporting information. The form is available at the following link:  
<http://www.broward.org/EconDev/WhatWeDo/Documents/GoodFaithEffortEval.pdf>
- D. OESBD maintains an online directory of CBE firms. The online directory is available for use by Vendors at <https://webapps4.broward.org/smallbusiness/sbdirectory.aspx>.
- E. For detailed information regarding the CBE Program contact the OESBD at (954) 357-6400 or visit the website at: <http://www.broward.org/EconDev/SmallBusiness/>
- F. If awarded the contract, Vendor agrees to and shall comply with all applicable requirements of the Business Opportunity Act and the CBE Program in the award and administration of the contract.
1. No party to this contract may discriminate on the basis of race, color, sex, religion,

national origin, disability, age, marital status, political affiliation, sexual orientation, pregnancy, or gender identity and expression in the performance of this contract.

2. All entities that seek to conduct business with the County, including Vendor or any Prime Contractors, Subcontractors, and Bidders, shall conduct such business activities in a fair and reasonable manner, free from fraud, coercion, collusion, intimidation, or bad faith. Failure to do so may result in the cancellation of this solicitation, cessation of contract negotiations, revocation of CBE certification, and suspension or debarment from future contracts.
3. If Vendor fails to meet or make Good Faith Efforts (as defined in the Business Opportunity Act) to meet the CBE participation commitment (the "Commitment"), then Vendor shall pay the County liquidated damages in an amount equal to fifty percent (50%) of the actual dollar amount by which Vendor failed to achieve the Commitment, up to a maximum amount of ten percent (10%) of the total contract amount, excluding costs and reimbursable expenses. An example of this calculation is stated in Section 1-81.7, Broward County Code of Ordinances.
4. Vendor shall comply with all applicable requirements of the Business Opportunity Act in the award of this contract. Failure by Vendor to carry out any of these requirements shall constitute a material breach of the contract, which shall permit the County to terminate this contract or to exercise any other remedy provided under this contract, the Broward County Code of Ordinances, the Broward County Administrative Code, or other applicable laws, with all such remedies being cumulative.
5. Vendor shall pay its CBE subcontractors and suppliers, within fifteen (15) days following receipt of payment from the County, for all completed subcontracted work and supplies. If Vendor withholds an amount from CBE subcontractors or suppliers as retainage, such retainage shall be released and paid within fifteen (15) days following receipt of payment of retained amounts from the County.
6. Vendor understands that the County will monitor Vendor's compliance with the CBE Program requirements. Vendor must provide OESBD with a Monthly Utilization Report (MUR) to confirm its compliance with the Commitment agreed to in the contract; timely submission of the MUR every month throughout the term of the contract, including amendment and extension terms, is a condition precedent to the County's payment of Vendor under the contract.



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

**LOBBYIST REGISTRATION REQUIREMENT CERTIFICATION FORM**

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

The Vendor certifies that it understands if it has retained a lobbyist(s) to lobby in connection with a competitive solicitation, it shall be deemed non-responsive unless the firm, in responding to the competitive solicitation, certifies that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances; and it understands that if, after awarding a contract in connection with the solicitation, the County learns that the certification was erroneous, and upon investigation determines that the error was willful or intentional on the part of the Vendor, the County may, on that basis, exercise any contractual right to terminate the contract for convenience.

The Vendor hereby certifies that: (select one)

- ☒ It has not retained a lobbyist(s) to lobby in connection with this competitive solicitation; however, if retained after the solicitation, the County will be notified.
- ☐ It has retained a lobbyist(s) to lobby in connection with this competitive solicitation and certified that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances.

It is a requirement of this solicitation that the names of any and all lobbyists retained to lobby in connection with this solicitation be listed below:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

**Authorized Signature/Name: Marwan H. Mufleh, P.E. Date: 08/28/2019**

**Title: Principal/Senior Vice President**

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

**Supplier: Kimley-Horn and Associates, Inc.****DOMESTIC PARTNERSHIP ACT CERTIFICATION FORM (REQUIREMENT AND  
TIEBREAKER)**

Refer to Special Instructions to identify if Domestic Partnership Act is a requirement of the solicitation or acts only as a tiebreaker. If Domestic Partnership is a requirement of the solicitation, the completed and signed form should be returned with the Vendor's submittal. If the form is not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes. To qualify for the Domestic Partnership tiebreaker criterion, the Vendor must currently offer the Domestic Partnership benefit and the completed and signed form must be returned at time of solicitation submittal.

The Domestic Partnership Act, Section 16 ½ -157, Broward County Code of Ordinances, requires all Vendors contracting with the County, in an amount over \$100,000 provide benefits to Domestic Partners of its employees, on the same basis as it provides benefits to employees' spouses, with certain exceptions as provided by the Ordinance.

For all submittals over \$100,000.00, the Vendor, by virtue of the signature below, certifies that it is aware of the requirements of Broward County's Domestic Partnership Act, Section 16-½ -157, Broward County Code of Ordinances; and certifies the following: (check only one below).

- ☒ 1. The Vendor currently complies with the requirements of the County's Domestic Partnership Act and provides benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses
- ☐ 2. The Vendor will comply with the requirements of the County's Domestic Partnership Act at time of contract award and provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses.
- ☐ 3. The Vendor will not comply with the requirements of the County's Domestic Partnership Act at time of award.
- ☐ 4. The Vendor does not need to comply with the requirements of the County's Domestic Partnership Act at time of award because the following exception(s) applies: **(check only one below)**.
- ☐ The Vendor is a governmental entity, not-for-profit corporation, or charitable organization.
- ☐ The Vendor is a religious organization, association, society, or non-profit charitable or educational institution.
- ☐ The Vendor provides an employee the cash equivalent of benefits. (Attach an affidavit in compliance with the Act stating the efforts taken to provide such benefits and the amount of the cash equivalent).
- ☐ The Vendor cannot comply with the provisions of the Domestic Partnership Act because it would violate the laws, rules or regulations of federal or state law or would violate or be inconsistent with the terms or conditions of a grant or contract with the United States or State of Florida. Indicate the law, statute or regulation (State the law, statute or regulation and attach explanation of its applicability).

**Marwan H. Mufleh****Senior Vice  
President  
Title****Kimley-Horn and  
Associates, Inc.  
Vendor Name****08/28/19****Authorized Signature/Name****Date**



**Supplier: Kimley-Horn and Associates, Inc.****LITIGATION HISTORY FORM**

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- ☐ There are no material cases for this Vendor; or  
☒ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:  Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<b>CACE-13-009427(05), Deontra Williams v. Florida Department of Transportation., et al, 2015</b>
Name of Court or other tribunal	<b>17th Judicial Circuit Court, Broward County, FL</b>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<b>bicycle accident, personal injuries claim</b>
Brief description of the Subject Matter and Project Involved	<b>Bike tire caught in a grate on Commercial Boulevard, Tamarac, FL</b>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <b>Anthony H. Quackenbush of Kelley/Uustal PLC</b> Email: <b>ahq@kulaw.com</b> Telephone Number: <b>954-522-6601</b>

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



### AGREEMENT EXCEPTION FORM

The completed form(s) should be returned with the Vendor's submittal. If not provided with submittal, it shall be deemed an affirmation by the Vendor that it accepts the terms and conditions of the County's Agreement as disclosed in the solicitation.

The Vendor must either provide specific proposed alternative language on the form below. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.

- ☒ There are no exceptions to the terms and conditions of the County Agreement as referenced in the solicitation; or
- ☐ The following exceptions are disclosed below: (use additional forms as needed; separate each Article/ Section number)

Term or Condition Article / Section	Insert version of exception or specific proposed alternative language	Provide brief justification for change

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

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

### VOLUME OF PREVIOUS WORK ATTESTATION FORM

The completed and signed form should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to provide timely may affect the Vendor's evaluation.

**This completed form MUST be included with the Vendor's submittal at the time of the opening deadline to be considered for a Tie Breaker criterion (if applicable).**

Points assigned for Volume of Previous Work will be based on the amount paid-to-date by the County to a prime Vendor **MINUS** the Vendor's confirmed payments paid-to-date to approved certified County Business Enterprise (CBE) firms performing services as Vendor's subcontractor/subconsultant to obtain the CBE goal commitment as confirmed by County's Office of Economic and Small Business Development. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must list all received payments paid-to-date by contract as a prime vendor from Broward County Board of County Commissioners. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must also list all total confirmed payments paid-to-date by contract, to approved certified CBE firms utilized to obtain the contract's CBE goal commitment. Reporting must be within five (5) years of the current solicitation's opening date.

In accordance with Section 21.31.d. of the Broward County Procurement Code, the Vendor with the lowest dollar volume of work previously paid by the County over a five-year period from the date of the submittal opening will receive the Tie Breaker.

**The Vendor attests to the following:**

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	Prime: Paid to Date	CBE: Paid to Date
1.	<b>See list attached in supplemental material.</b>					
2.						
3.						
4.						
5.						
6.						
7.						

Grand Total

Has the Vendor been a member/partner of a Joint Venture firm that was awarded a contract by the County?

Yes ☐ No ☒

If Yes, Vendor must submit a **Joint Vendor Volume of Work Attestation Form**.

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

**Marwan Mufleh, P.E.**  
**Authorized Signature/Name**

**Senior Vice President**  
**Title**

**08/28/19**  
**Date**

**VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM**

If applicable, this form and additional required documentation should be submitted with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit this form and supporting documentation may affect the Vendor's evaluation.

If a Joint Venture, the payments paid-to-date by contract provided must encompass the Joint Venture and each of the entities forming the Joint Venture. Points assigned for Volume of Previous Work will be based on the amount paid-to-date by contract to the Joint Venture firm **MINUS** all confirmed payments paid-to-date to approved certified CBE firms utilized to obtain the CBE goal commitment. Reporting must be within five (5) years of the current solicitation's opening date. Amount will then be multiplied by the member firm's equity percentage.

In accordance with Section 21.31.d. of the Broward County Procurement Code, the Vendor with the lowest dollar volume of work previously paid by the County over a five-year period from the date of the submittal opening will receive the Tie Breaker.

**The Vendor attests to the following:**

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	JV Equity Percent	Prime: Paid to Date	CBE: Paid to Date
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Grand  
Total

Vendor is required to submit an executed Joint Venture agreement(s) and any amendments for each project listed above. Each agreement must be executed prior to the opening date of this solicitation.

**Vendor Name:****Authorized Signature/Name****Title****Date**



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

### **SCRUTINIZED COMPANIES LIST REQUIREMENT CERTIFICATION FORM**

The completed and signed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non responsive for failure to fully comply within stated timeframes.

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor, by virtue of the signature below, certifies that:

- a. The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4725 Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- b. The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- c. If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

<b>Marwan H. Mufleh, P.E.</b>	<b>Senior Vice President</b>	<b>Kimley-H o r n   a n d</b>	<b>08/28/19</b>
<b>Authorized Signature/Name</b>	<b>Title</b>	<b>Associates, Inc.</b> <b>Vendor Name</b>	<b>Date</b>

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

**SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM**  
**Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

1. Subcontracted Firm's Name: **ASA Consultants, Inc.**

Subcontracted Firm's Address: **510 Shotgun Rd, Ste 402, Sunrise, FL 33323**

Subcontracted Firm's Telephone Number: **754-216-2027**

Contact Person's Name and Position: **Soheila Sadough / President**

Contact Person's E-Mail Address: **ssadough@asaconsultants.us**

Estimated Subcontract/Supplies Contract Amount: **N/A**

Type of Work/Supplies Provided: **Misc. Structures**

2. Subcontracted Firm's Name: **Stoner & Associates, Inc.**

Subcontracted Firm's Address: **4341 SW 62 Ave, Davie, FL 33314**

Subcontracted Firm's Telephone Number: **954.585.0997**

Contact Person's Name and Position: **James D. Stoner, PSM, President**

Contact Person's E-Mail Address: **Jstoner@stonersurveyors.com**

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

**AFFILIATED ENTITIES OF THE PRINCIPAL(S) CERTIFICATION FORM**

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- a. All Vendors are required to disclose the names and addresses of "affiliated entities" of the Vendor's principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County.
- b. The County will review all affiliated entities of the Vendor's principal(s) for contract performance evaluations and the compliance history with the County's Small Business Program, including CBE, DBE and SBE goal attainment requirements. "Affiliated entities" of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.
- c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor's principals in its review and determination of responsibility.

The Vendor hereby certifies that: (select one)

- ☒ No principal of the proposing Vendor has prior affiliations that meet the criteria defined as "Affiliated entities"
- ☐ Principal(s) listed below have prior affiliations that meet the criteria defined as "Affiliated entities"

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Authorized Signature Name: **Marwan Mufleh, P.E.**

Title: **Senior Vice President**

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

Date: **08/28/2019**

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

### **RFP-RFQ-RLI LOCATION ATTESTATION FORM (EVALUATION CRITERIA)**

The completed and signed form and supporting information (if applicable, for Joint Ventures) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit this form and supporting information may affect the Vendor's evaluation. Provided information is subject to verification by the County.

A Vendor's principal place of business location (also known as the nerve center) within Broward County is considered in accordance with Evaluation Criteria. The County's definition of a principal place of business is:

1. As defined by the Broward County Local Preference Ordinance, "Principal place of business means the nerve center or center of overall direction, control and coordination of the activities of the bidder [Vendor]. If the bidder has only one (1) business location, such business location shall be considered its principal place of business."
2. A principal place of business refers to the place where a corporation's officers direct, control, and coordinate the corporation's day-to-day activities. It is the corporation's 'nerve center' and in practice it should normally be the place where the corporation maintains its headquarters; provided that the headquarters is the actual center of direction, control, and coordination, i.e., the 'nerve center', and not simply an office where the corporation holds its board meetings (for example, attended by directors and officers who have traveled there for the occasion).

The Vendor's principal place of business in Broward County shall be the Vendor's "Principal Address" as indicated with the Florida Department of State Division of Corporations, for at least six months prior to the solicitation's due date.

Check one of the following:

- ☒ The Vendor certifies that it has a principal place of business location (also known as the nerve center) within Broward County, as documented in Florida Department of State Division of Corporations (Sunbiz), and attests to the following statements:

1. Vendor's address listed in its submittal is its principal place of business as defined by Broward County;
2. Vendor's "Principal Address" listed with the Florida Department of State Division of Corporations is the same as the address listed in its submittal and the address was listed for at least six months prior to the solicitation's opening date. A copy of Florida Department of State Division of Corporations (Sunbiz) is attached as verification.
3. Vendor must be located at the listed "nerve center" address ("Principal Address") for at least six (6) months prior to the solicitation's opening date;
4. Vendor has not merged with another firm within the last six months that is not headquartered in Broward County and is not a wholly owned subsidiary or a holding company of another firm that is not headquartered in Broward County;
5. If awarded a contract, it is the intent of the Vendor to remain at the referenced address for the duration of the contract term, including any renewals, extensions or any approved

interim contracts for the services provided under this contract; and

6. The Vendor understands that if after contract award, the County learns that the attestation was erroneous, and upon investigation determines that the error was willful or intentional on the part of the Vendor, the County may, on that basis exercise any contractual right to terminate the contract. Further any misleading, inaccurate, false information or documentation submitted by any party affiliated with this procurement may lead to suspension and/or debarment from doing business with Broward County as outlined in the Procurement Code, Section 21.119.

If the Vendor is submitting a response as a Joint Venture, the following information is required to be submitted:

- a. Name of the Joint Venture Partnership
- b. Percentage of Equity for all Joint Venture Partners
- c. A copy of the executed Agreement(s) between the Joint Venture Partners

☐ Vendor does not have a principal place of business location (also known as the nerve center) within Broward County.

**Vendor Information:**

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

Vendor's address listed in its submittal is:

**600 N. Pine Island Road  
Suite 450  
Plantation, FL 33324**

The signature below must be by an individual authorized to bind the Vendor. The signature below is an attestation that all information listed above and provided to Broward County is true and accurate.

<b>Marwan H. Mufleh, P.E.</b>	<b>Senior Vice President</b>	<b>Kimley-Horn and Associates, Inc.</b>	<b>08/28/2019</b>
Authorized Signature/Name	Title	Vendor Name	Date



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

## RFP-RLI-RFQ LOCAL PREFERENCE AND TIE BREAKER CERTIFICATION FORM

The completed and signed form should be returned with the Vendor's submittal to determine Local Preference eligibility, however it must be returned at time of solicitation submittal to qualify for the Tie Break criteria. If not provided with submittal, the Vendor must submit within three business days of County's request for evaluation of Local Preference. Proof of a local business tax should be submitted with this form. Failure to timely submit this form or local business tax receipt may render the business ineligible for application of the Local Preference or Tie Break Criteria.

In accordance with Section 21.31.d. of the Broward County Procurement Code, to qualify for the Tie Break Criteria, the undersigned Vendor hereby certifies that (check box if applicable):

- ☒ The Vendor is a local Vendor in Broward County and:
- has a valid Broward County local business tax receipt;
  - has been in existence for at least six-months prior to the solicitation opening;
  - at a business address physically located within Broward County;
  - in an area zoned for such business;
  - provides services from this location on a day-to-day basis, and
  - services provided from this location are a substantial component of the services offered in the Vendor's proposal.

In accordance with Local Preference, Section 1-74, et. seq., Broward County Code of Ordinances, a local business meeting the below requirements is eligible for Local Preference. To qualify for the Local Preference, the undersigned Vendor hereby certifies that (check box if applicable):

- ☐ The Vendor is a local Vendor in Broward and:
- has a valid Broward County local business tax receipt issued at least one year prior to solicitation opening;
  - has been in existence for at least one-year prior to the solicitation opening;
  - provides services on a day-to-day basis, at a business address physically located within the Broward County limits in an area zoned for such business; and
  - the services provided from this location are a substantial component of the services offered in the Vendor's proposal.

Local Business Address:

Vendor does not qualify for Tie Break Criteria or Local Preference, in accordance with the above requirements. The undersigned Vendor hereby certifies that (check box if applicable): The Vendor is not a local Vendor in Broward County.

<b>Marwan H. Mufleh</b>	<b>Senior Vice President</b>	<b>Kimley-Horn and Associates, Inc.</b>	<b>08/28/19</b>
<b>AUTHORIZED SIGNATURE/NAME</b>	<b>TITLE</b>	<b>COMPANY</b>	<b>DATE</b>