FLORIDA'S Hollywood
COMMUNITY REDEVELOPMENT AGENCY

Engineering Consulting Services

Pedestrian Lighting

Solicitation DCRA 19-023

Kimley»Horn
Expect More. Experience Better.

TRRD30029.19

FLORIDA'S Hollywood
COMMUNITY REDEVELOPMENT AGENCY

Engineering Consulting Services

Pedestrian Lighting

Professional Engineering Consultant Services to the CRA for Pedestrian Lighting – DRCA 19-023

Kimley»Horn

600 North Pine Island Road, Suite 450

Plantation, FL 33324

(954) 535-5100

Matthew Fursetzer, P.E.

matthew.fursetzer@kimley-horn.com

August 27, 2019

Kimley»Horn

Expect More. Experience Better.

FLORIDA'S Hollywood
COMMUNITY REDEVELOPMENT AGENCY

Engineering Consulting Services

Pedestrian Lighting

Table of Contents

Section *Page #*

Kimley»Horn
Expect More. Experience Better.

1. Letter of Transmittal

Kimley»Horn

August 27, 2019

Office of the City Clerk
City of Hollywood
2600 Hollywood Blvd., Room 221
Hollywood, FL 33020

Re: Professional Engineering Services to the CRA for Pedestrian Lighting; DCRA 19-023

Dear Mr. Camejo and Members of the Selection Committee:

Kimley-Horn is pleased to present our qualifications to partner with the City of Hollywood and the Hollywood CRA for the implementation of this pedestrian lighting project. We have enjoyed working in Hollywood and we welcome this opportunity to continue providing quality, cost-effective design services for you.

Resources with impact. ***What separates Kimley-Horn from the competition is that most of our diverse, expert team members are in-house employees.*** Our offices in Fort Lauderdale, Miami, and West Palm Beach offer you experts in lighting design, structural engineering, roadway design, maintenance of traffic (MOT), environmental permitting, and construction phase services. We look forward to serving you on the design of this project.

Proven Service to Hollywood and the CRA. Kimley-Horn embraces the CRA's vision and we will partner with you to give real value to your residents. The aesthetics and design of the pedestrian lighting will complement the local community, be consistent with the CRA's goal of improving safety and reducing maintenance, and be economical.

Benefits of Selecting Kimley-Horn. By selecting our team for these pedestrian lighting improvements, the Hollywood CRA will benefit from:

- A proven municipal lighting design project manager dedicated to client service and the City/CRA's success
- Extensive similar experience installing decorative pedestrian lighting for municipalities across South Florida
- Innovative designs to reduce overall project cost and duration
- Increased efficiency from our current relationships within the City and CRA
- A focus on constructability and stakeholders to reduce your risk

Summary. Kimley-Horn is dedicated to meeting the needs of the CRA for design and development services for pedestrian lighting. We will actively identify and solve critical issues, find reliable and innovative solutions, and provide responsive and cost-effective service. We look forward to serving the City on this project.

Very truly yours,
KIMLEY-HORN

Matthew Fursetzer, P.E.
Project Manager

FLORIDA'S Hollywood
COMMUNITY REDEVELOPMENT AGENCY

Engineering Consulting Services

Pedestrian Lighting

2. Standard Form 330

Kimley»Horn
Expect More. Experience Better.

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
City of Hollywood Engineering Consulting Services - Pedestrian Lighting

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
July 31, 2019	DCRA-19-023

B. ARCHITECT – ENGINEER POINT OF CONTACT

4. NAME AND TITLE
Matthew Fursetzer, P.E., Project Manager

5. NAME OF FIRM
Kimley-Horn and Associates, Inc.

6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
561.845.0665	561.863.8175	matthew.fursetzer@kimley-horn.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

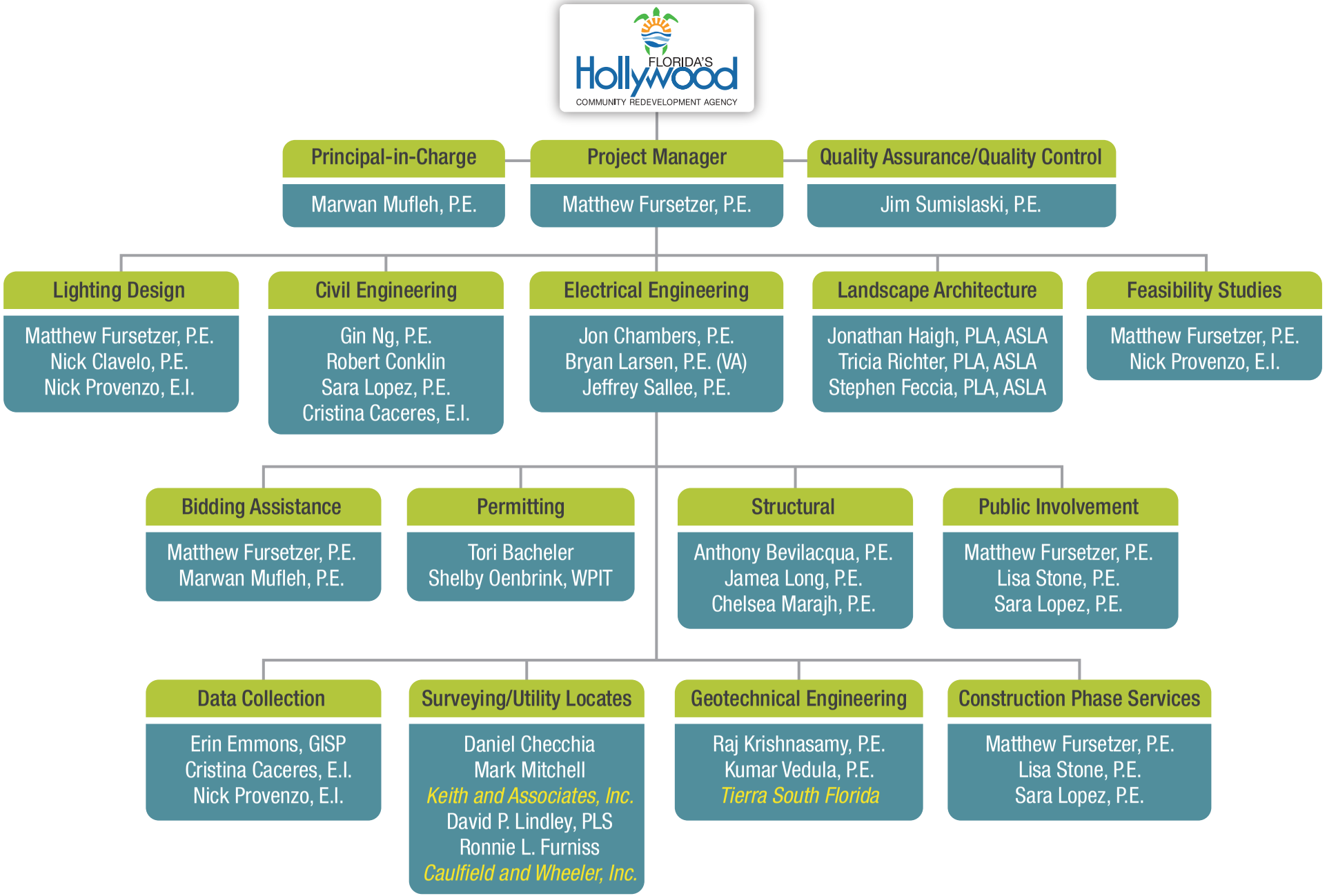
	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			Kimley-Horn and Associates, Inc. **[X]** CHECK IF BRANCH OFFICE	600 North Pine Island Road, Suite 450 Plantation, FL 33324	Prime Consultant
b.	X			Kimley-Horn and Associates, Inc. **[X]** CHECK IF BRANCH OFFICE	1920 Wekiva Way, Suite 200 West Palm Beach, FL 33411	Prime Consultant
c.	X			Kimley-Horn and Associates, Inc. **[X]** CHECK IF BRANCH OFFICE	445 24th Street, Suite 200 Vero Beach, FL 32960-5169	Prime Consultant
d.	X			Kimley-Horn and Associates, Inc. **[X]** CHECK IF BRANCH OFFICE	4525 Main St., Suite 1000 Virginia Beach, VA 23462	Prime Consultant
e.	X			Kimley-Horn and Associates, Inc. **[X]** CHECK IF BRANCH OFFICE	214 Oceanside Drive Nashville, TN 37204	Prime Consultant
f.	X			Caulfield and Wheeler, Inc. **[X]** CHECK IF BRANCH OFFICE	7900 Glades Rd, Suite 100 Boca Raton, FL 33434	Subconsultant

D. ORGANIZATIONAL CHART OF PROPOSED TEAM **[X]** *(Attached)*

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
g.			X	Tierra South Florida CHECK IF BRANCH OFFICE	2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411	Subconsultant
h.			X	Keith and Associates, Inc. CHECK IF BRANCH OFFICE	301 East Atlantic Blvd. Pompano Beach, FL 33060	Subconsultant
i.			X	CHECK IF BRANCH OFFICE		
j.				CHECK IF BRANCH OFFICE		
k.				CHECK IF BRANCH OFFICE		
l.				CHECK IF BRANCH OFFICE		
m.				CHECK IF BRANCH OFFICE		
n.				CHECK IF BRANCH OFFICE		
o.				CHECK IF BRANCH OFFICE		
p.				CHECK IF BRANCH OFFICE		


FLORIDA'S Hollywood COMMUNITY REDEVELOPMENT AGENCY
Principal-in-Charge
Marwan Mufleh, P.E.
Project Manager
Matthew Fursetzer, P.E.
Quality Assurance/Quality Control
Jim Sumislaski, P.E.
Lighting Design
Matthew Fursetzer, P.E.
Nick Clavelo, P.E.
Nick Provenzo, E.I.
Civil Engineering
Gin Ng, P.E.
Robert Conklin
Sara Lopez, P.E.
Cristina Caceres, E.I.
Electrical Engineering
Jon Chambers, P.E.
Bryan Larsen, P.E. (VA)
Jeffrey Sallee, P.E.
Landscape Architecture
Jonathan Haigh, PLA, ASLA
Tricia Richter, PLA, ASLA
Stephen Feccia, PLA, ASLA
Feasibility Studies
Matthew Fursetzer, P.E.
Nick Provenzo, E.I.
Bidding Assistance
Matthew Fursetzer, P.E.
Marwan Mufleh, P.E.
Permitting
Tori Bacheler
Shelby Oenbrink, WPIT
Structural
Anthony Bevilacqua, P.E.
Jamea Long, P.E.
Chelsea Marajh, P.E.
Public Involvement
Matthew Fursetzer, P.E.
Lisa Stone, P.E.
Sara Lopez, P.E.
Data Collection
Erin Emmons, GISP
Cristina Caceres, E.I.
Nick Provenzo, E.I.
Surveying/Utility Locates
Daniel Checchia
Mark Mitchell
Keith and Associates, Inc.
David P. Lindley, PLS
Ronnie L. Furniss
Caulfield and Wheeler, Inc.
Geotechnical Engineering
Raj Krishnasamy, P.E.
Kumar Vedula, P.E.
Tierra South Florida
Construction Phase Services
Matthew Fursetzer, P.E.
Lisa Stone, P.E.
Sara Lopez, P.E.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Matthew B. Fursetzer, P.E.	Project Manager, Lighting Design, Feasibility Studies, Bidding Assistance, Public Involvement, Construction Phase Services	18	18

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Florida / 2001	FL / Professional Engineer / 63997 / 2006

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 18 years of experience in roadway design with a specialty emphasis on lighting for FDOT facilities
- Proficient in AGI 32, Microstation, AutoCad, MathCad, and Visual Basic software programs

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, City of Hollywood

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer 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, and buffered bicycle lanes 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Atlantic Boulevard Bridge Decorative Sails and Lighting, Pompano Beach

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager 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 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.

c.

(1) TITLE AND LOCATION *(City and State)*: Downtown Light Pole Standards, Boca Raton

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2017	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager and helped direct selection of standardized light pole fixtures for downtown redevelopment projects. The City previously had a mix of high-pressure sodium, metal halide, and LED light fixtures; however, the aging lights were no long weather resistant and needed frequent maintenance and/or replacement. We were tasked with developing 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. We 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.

d.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street, along Fort Lauderdale Beach. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide a modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone and improve pedestrian experience. 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.

e.

(1) TITLE AND LOCATION *(City and State)*: Mowry Drive Road Improvements, City of Homestead

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2012	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Marwan H. Mufleh, P.E.	Principal-in-Charge, Bidding Assistance	31	16

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS / Civil Engineering / University of Texas, Arlington / 1986	FL / Professional Engineer / 45329 / 1992

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 32 years of civil engineering experience
- Principal areas of practice include roadway design, streetscape, Complete Streets, traffic calming, neighborhood revitalization, innovative pavement design, pavement marking, maintenance of traffic, bidding assistance, and construction phase services

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, City of Hollywood

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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

b.

(1) TITLE AND LOCATION *(City and State)*: Las Olas Boulevard and Colee Hammock Neighborhood Traffic Calming, City of Fort Lauderdale

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager. Kimley-Horn provided professional services to address traffic circulation, safety, multimodal mobility, and quality-of-life issues along Las Olas Blvd. and Colee Hammock neighborhood. Improvements included traffic calming, raised intersections, enhanced crosswalks, lane elimination for portions of corridor, and warning lights for improved safety. Our team provided plans for signing and pavement markings for these improvements, as well as lighting plans and permitting application preparation.

c.

(1) TITLE AND LOCATION *(City and State)*: Quadrille Boulevard Streetscape Improvements, West Palm Beach

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2014	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for engineering and landscape architectural design services to implement streetscape improvements for Quadrille Boulevard from Okeechobee Boulevard to Datura Street. Improvements included new sidewalks along the west side of Quadrille, street trees, landscaping, site furnishings, irrigation, street lighting, and decorative crosswalks. Landscaping for the corridor features a low-water use perennial peanut groundcover in lieu of turf grasses and large Live Oak shade trees that will overhang the sidewalk and provide shade to pedestrians.

d.

(1) TITLE AND LOCATION *(City and State)*: Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2015	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project Manager for a multi-phased project that included a study and conceptual design, temporary implementation of the design for trial period and final design of the permanent improvements. This project included the 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.

e.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road, Broward County

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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. 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
James M. Sumislaski, P.E.	Quality Assurance/Quality Control	a. TOTAL 37	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / Merrimack College / 1982	FL / Professional Engineer / 38841 / 1987

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 37 years of experience in design and preparation of construction plans, including roadway geometrics, specifications, signalization plans, lighting plans, signing and pavement marking plans, permitting, and traffic control plans

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA	PROFESSIONAL SERVICES 2015	CONSTRUCTION *(If Applicable)* 2015
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

Design engineer for a multi-phased project that 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 the 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.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Palmetto Park Road Improvements and Downtown Boca Raton Pedestrian Promenade, Boca Raton	PROFESSIONAL SERVICES 2011	CONSTRUCTION *(If Applicable)* 2011
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

Project manager for 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 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. Landscape and hardscape improvements include planter islands and wide brick paver sidewalks on both sides of the roadways.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Wiles Road Design from Riverside Drive to Rock Island Road, Broward County	PROFESSIONAL SERVICES 2018	CONSTRUCTION *(If Applicable)* 2018
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

Roadway 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 major accomplishment was our work with all stakeholders to avoid issues related to private property impacts given the narrow corridor. 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable*
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

Project engineer. Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a 6 lane divided urban arterial from Rock Island Road to U.S. 441 (State Road 7). Broward County and FDOT are sharing in the cost of improvements which include roadway design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Dixie Highway Flyover Design-Build, FDOT District Four, Deerfield Beach	PROFESSIONAL SERVICES 2012	CONSTRUCTION *(If Applicable)* 2012
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

Project Manager. Project manager for Kimley-Horn's services to design a new roadway and bridge to connect Dixie Highway from north of Hillsboro Road along west side of FEC RR, over the FEC RR and Hillsboro Canal, and connecting into existing Dixie Highway north of Hillsboro Canal east of the FEC RR tracks. Project is a design/build with only seven months to completely design project and release to construction. Project was completed in July of 2012.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Nicholas J. Clavelo, P.E.	Lighting Design	3	3

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science / Civil Engineering / Florida State University / 2014 BS / Civil Engineering / Florida State University / 2012	FL / Professional Engineer / 84366 / 2017

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Professional Engineer with more than three years of engineering experience
- Specific project experience includes lighting, roadway, and drainage design; signing and pavement marking; development of roadway profiles and cross-sections; plan preparation; and opinions of probable cost
- Software experience includes AGI32, MICROSTATION, FDOT SS4, and GeoPak

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Lighting Design Retrofit Project (Commercial Blvd.), FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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

b.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street along Fort Lauderdale Beach. The project consists of improving the 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 cafe 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.

c.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road, Broward County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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. 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.

d.

(1) TITLE AND LOCATION *(City and State)*: Delray Beach Sidewalk Design Services

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for the design of missing sidewalk segments for several areas along SW 3rd Street, NW 8th Avenue, NW 6th Avenue, SW 6th Avenue and SW 5th Avenue. Kimley-Horn's services include coordinating site surveying, attendance at public meetings, review of profiles and edge of pavement elevations, analyzing adjacent landscaping to determine needs for relocation, utility coordination, permit coordination, preparing final design plans for the improvements, and providing opinions of probable costs.

e.

(1) TITLE AND LOCATION *(City and State)*: Georgia Avenue Resurfacing, West Palm Beach

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for improvements to the Georgia Avenue Corridor from Forest Hill Boulevard to West Lakewood Road. The scope for the roadway improvement includes improving the existing asphalt pavement, either through milling and resurfacing of Full Depth Reclamation (FDR), upgrading the existing sidewalk and curb ramp to current ADA standards, minor drainage modifications, improving the existing lighting system, and incorporation of minor landscaping and irrigation where possible. The new design was shaped considering the corridor being a high truck traffic area with major on-street parking needs.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Nicholas J. Provenzo, E.I.	Lighting Design, Feasibility Studies, Data Collection	6	6

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Mississippi / 2012	FL / Engineering Intern / 1100021222 / 2017 FDOT / Adv Work Zone Traffic / 2018

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Six years of experience on lighting design, ITS, signing and pavement marking, roadway design, and construction phase services for FDOT projects

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Downtown Light Pole Standards, Boca Raton

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2017	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Lead design analyst. The City previously had a mix of high-pressure sodium, metal halide, and LED light fixtures; however, the aging lights were no long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. We 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Lighting Design Retrofit Project (Commercial Blvd.), FDOT District Four

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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

c.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, City of Hollywood

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst on 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, and buffered bicycle lanes; 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.

d.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road, Broward County

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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. 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 included roadway design, Complete Streets design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, permitting coordination 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.

e.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst. Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a 6-lane divided urban arterial from Rock Island Road to U.S. 441 (State Road 7). Broward County and FDOT are sharing in the cost of improvements which include roadway design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Gin Ng, P.E.	Civil Engineering	24	19

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science / Civil Engineering / University of Arkansas / 2000 Bachelor of Science / Civil Engineering / University of Arkansas / 1994	FL / Professional Engineer / 58123 / 2002

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 24 years of experience in design and preparation of construction plans, including roadway geometrics, specifications, signing and pavement marking plans, permitting, and traffic control plans
- Proficient in MicroStation and GeoPak and Drainage programs ASAD, ICPR and HEC-RAS

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach	2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer or the design and construction of enhancements to bridge façade, tender house, Jersey barriers, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on 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).

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA	2015	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Lead design engineer and assistant project manager. This multi-phased project included a study, conceptual design, temporary implementation of the design for a trial period, and final design of the permanent improvements. The City and its CRA adopted the Downtown Delray Beach Master Plan, and one of its key elements is a reconfiguration of the two one-way segments of US 1 from three lanes to two. Developed alternatives, forecasted future traffic volumes for review with the City and the CRA, and led several public involvement workshops. We developed alternatives, forecasted future traffic volumes for review with the City and the CRA, and led several public involvement workshops.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Quadrille Boulevard Streetscape Improvements, West Palm Beach	2014	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for engineering and landscape architectural design services to implement streetscape improvements for Quadrille Boulevard from Okeechobee Boulevard to Datura Street. Improvements included new sidewalks along the west side of Quadrille, street trees, landscaping, site furnishings, irrigation, street lighting, and decorative crosswalks. Landscaping for the corridor features a low-water use perennial peanut groundcover in lieu of turf grasses and large Live Oak shade trees that will overhang the sidewalk.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Wiles Road Design from Riverside Drive to Rock Island Road, Broward County	2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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. 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 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.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer. Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a 6-lane divided urban arterial from Rock Island Road to U.S. 441 (State Road 7). Broward County and FDOT are sharing in the cost of improvements which include roadway design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Robert R. Conklin	Civil Engineering	a. TOTAL: 32	b. WITH CURRENT FIRM: 32

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 32 years of experience as a roadway design technician on many of the firm's major roadway design projects
- Experience includes cross sections and earthwork computations, typical sections, roadway geometrics, profiles, maintenance of traffic plans, signalization plans, and signing and marking plans

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019 — CONSTRUCTION *(If Applicable)*: 2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Designer for the design and construction of enhancements to bridge façade, tender house, Jersey barriers, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on 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).

b.

(1) TITLE AND LOCATION *(City and State)*: Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015 — CONSTRUCTION *(If Applicable)*: 2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Designer for a multi-phased project that included a study and conceptual design, temporary implementation of the design for trial period and final design of the permanent improvements. This project included the reconfiguration of the two one-way segments of US 11 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.

c.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 — CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Designer. 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. 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 cafe 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.

d.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Designer. Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a 6-lane divided urban arterial from Rock Island Road to U.S. 441 (State Road 7). Broward County and FDOT are sharing in the cost of improvements which include roadway design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

e.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road, Broward County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 — CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Designer for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Sara C. Lopez, P.E.	Civil Engineering, Public Involvement, Construction Phase Services	7	5

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Florida / 2014	FL / Professional Engineer / 87388 / 2019

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Computer software experience includes AutoCAD 2010 and MacTrans HCS
- Fluent in Spanish

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road, Broward County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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. 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.

b.

(1) TITLE AND LOCATION *(City and State)*: SR A1A North Causeway PD&E Study, FDOT District Four, Fort Pierce

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst and assisting with public involvement efforts. Kimley-Horn is leading a PD&E study to consider the replacement of an existing movable bascule bridge with either a new bascule bridge or a high-level fixed bridge. PD&E considerations include an assessment of the impacts of reconstructing a portion of SR A1A with new frontage roads and retaining walls and connections to side streets, driveways, and parking lots. 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.

c.

(1) TITLE AND LOCATION *(City and State)*: SW 10th Street PD&E Study (Sawgrass to I-95), FDOT District Four, Broward County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Design analyst for Kimley-Horn's services as a subconsultant to another firm for this politically charged PD&E study in Broward County. Assisted with public involvement efforts. The study's goal is to look at options to provide connectivity between Florida's Turnpike, Sawgrass Expressway, and I-95. 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.

d.

(1) TITLE AND LOCATION *(City and State)*: I-95/Central Boulevard Interchange Design, FDOT District Four, Palm Beach Gardens

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst. 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.

e.

(1) TITLE AND LOCATION *(City and State)*: PD&E Study for SR 5/US 1/Federal Highway from CR A1A to Beach Road, FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Roadway design 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Cristina I. Caceres, E.I.	Civil Engineering, Data Collection	1	1

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / Florida Atlantic University / 2018	FL / Engineering Intern / 1100021986 / 2018

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has more than one year of experience in civil engineering

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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 cafe 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.

b.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, Hollywood

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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

c.

(1) TITLE AND LOCATION *(City and State)*: Georgia Avenue Resurfacing, West Palm Beach

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst for improvements to the Georgia Avenue Corridor from Forest Hill Boulevard to West Lakewood Road. The scope for the roadway improvement includes improving the existing asphalt pavement, either through milling and resurfacing of Full Depth Reclamation (FDR), upgrading the existing sidewalk and curb ramp to current ADA standards, minor drainage modifications, improving the existing lighting system, and incorporation of minor landscaping and irrigation where possible. The new design was shaped considering the corridor being a high truck traffic area with major on-street parking needs.

d.

(1) TITLE AND LOCATION *(City and State)*: Design-Build Criteria Packages for Broward MPO Regional Complete Streets Initiatives, FDOT District Four, Broward County

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst for the development of five design-build criteria packages. The MPO requested the construction of new bicycle and pedestrian facilities in the existing right-of-way to improve safety and access for Broward's residents and provide more transportation alternatives. Design services also include milling and resurfacing, utility coordination, signing and pavement marking, signal improvements, landscaping, and public involvement.

e.

(1) TITLE AND LOCATION *(City and State)*: Florida's Turnpike Mainline Widening PD&E Study and Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst on this 7.2-mile 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, 2,500-ft. of a major Lake Worth Drainage District Canal relocation, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS system relocation, utility adjustment, new sound barrier wall, and complex traffic control during construction.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jon S. Chambers, P.E.	Electrical Engineering	27	22

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Virginia Beach, VA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS / Electrical Engineering / University of Central Florida / 1992	FL / Professional Engineer / 64354 / 2006

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 27 years of experience in the design of wireline and wireless communications systems and specializes in ITS communications

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Districtwide Pedestrian Lighting Retrofit Design, FDOT District One

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Electrical engineer on the Kimley-Horn team that was selected to provide consultant services to develop complete construction plans and specifications to upgrade the lighting levels at various intersections throughout District One. This will include evaluation of the existing intersection lighting levels, upgrading existing lighting from High Pressure Sodium light fixtures to LED light fixtures and potentially supplementing the intersection with additional light poles.

b.

(1) TITLE AND LOCATION *(City and State)*: Advanced Traffic Management System (ATMS) Phase I, FDOT District Seven

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Project engineer that provided communications network design/electrical 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 ATMS System Replacement Plan also included a phasing plan and estimated costs for future funding requirements to complete the design, installation, and construction. This project involves the development of an ATMS System Replacement Plan for the citywide of traffic signals, closed circuit television (CCTV) cameras, and other ITS devices for the City to better manage and operate their system.

c.

(1) TITLE AND LOCATION *(City and State)*: All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Electrical 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. Kimley-Horn provided development of signing and pavement marking components for this AET conversion project along 20 miles of the Sawgrass Expressway from I-595 to Florida's Turnpike in Broward County.

d.

(1) TITLE AND LOCATION *(City and State)*: Palm Beach County Traffic Management System Video Wall Design

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Systems engineer who 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.

e.

(1) TITLE AND LOCATION *(City and State)*: I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Systems 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Bryan S. Larsen, P.E.	Electrical Engineering	a. TOTAL 11	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Nashville, TN

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS / Electrical Engineering / Old Dominion University / 2011	VA / Professional Engineer / 0402-054403 / 2015

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 11 years of experience in the design of lighting systems for site lighting, parking, and a variety of transportation lighting projects

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Downtown Light Pole Standards, Boca Raton

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2017	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer. The City previously had a mix of high-pressure sodium, metal halide, and LED light fixtures; however the aging lights were no long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. We 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.

b.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone and improve pedestrian experience 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.

c.

(1) TITLE AND LOCATION *(City and State)*: Laskin Road Gateway Design, City of Virginia Beach, VA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2014	CONSTRUCTION *(If Applicable)* 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer. Kimley-Horn was responsible for comprehensive roadway design and aesthetic improvements for nine city blocks within the Laskin Road Gateway area. Bryan was responsible for roadway lighting and electrical design. His responsibilities included photometric analysis, pole spacing, conduit layout, conductor sizing, photo control, and power distribution center design. Kimley-Horn was responsible for comprehensive roadway design and aesthetic improvements including roadway alignment and typical section analysis; roadway design; layout and design of an urban roundabout; storm drainage design and stormwater management; traffic signal design and timing; streetscape design; utility duct bank design; water and wastewater transmission design; phase 1 environmental site assessments; development of opinions of probable costs; and preparation of reports and bid documents.

d.

(1) TITLE AND LOCATION *(City and State)*: LED Street Lighting Study, City of Manassas, VA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer. Kimley-Horn developed standards for the conversion of all City lighting facilities to LED for energy conservation. These standards are being applied for all projects, including utility, roadway, and other public improvements.

e.

(1) TITLE AND LOCATION *(City and State)*: Boynton Beach Gateway Enhancements and Welcome Signage

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2016	CONSTRUCTION *(If Applicable)* 2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical 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. These beautification and general improvements are part of Boynton Beach CRA's overall plan to improve the City's aesthetic and provide enhanced gateways into the community. The signs were installed in January 2016. Key services provided: Obtaining FDOT Community Aesthetic Feature approval, City of Boynton Beach right of way permitting, coordination with FEC railroad, and electrical coordination with FPL for new service.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jeffrey C. Sallee, P.E.	Electrical Engineering	14	6

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Virginia Beach, VA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master / Engineering Management / Old Dominion University / 2013 BS / Electrical Engineering / University of Arizona / 2005	FL / Professional Engineer / 76674 / 2013

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Works on ITS projects to provide clients with updated and more robust detection, visual monitoring, dynamic messaging, and signal systems

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Florida's Turnpike Mainline Widening PD&E Study and Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer on this 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, 2,500-ft. of a major Lake Worth Drainage District Canal relocation, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS system relocation, utility adjustment, new sound barrier wall, and complex traffic control during construction.

b.

(1) TITLE AND LOCATION *(City and State)*: All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015 | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical 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.

c.

(1) TITLE AND LOCATION *(City and State)*: I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for three miles of I-75 Express Lanes in Miramar. Our design provided 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.

d.

(1) TITLE AND LOCATION *(City and State)*: I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for four miles of I-75 in southwest Broward County. Kimley-Horn, as a subconsultant to another firm, was 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.

e.

(1) TITLE AND LOCATION *(City and State)*: I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for four miles of I-75 in Pembroke Pines and Miramar. 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, MVDSs, Permanent Traffic Monitoring Sites (PTMS), power conductors, generators, and all associated equipment power. We provided professional engineering 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jonathan D. Haigh, PLA, ASLA	Landscape Architecture	23	14

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Landscape Architecture / University of Arkansas / 1995	FL / Prof Landscape Architect / 6666795 / 2005

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 24 years of experience as a practicing professional landscape architect
- Skilled designer with streetscape and road-way related project experience throughout the South Florida for various municipalities, FDOT, and Florida's Turnpike Enterprise.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Mowry Drive Roadway Improvements, City of Homestead

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012; CONSTRUCTION *(If Applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Landscape architect 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Palmetto Park Road Improvements and Downtown Boca Raton Pedestrian Promenade, Boca Raton

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(If Applicable)*: 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Landscape Architect for 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 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. Landscape and hardscape improvements include planter islands and wide brick paver sidewalks on both sides of the roadways.

c.

(1) TITLE AND LOCATION *(City and State)*: Quadrille Boulevard Streetscape Improvements, West Palm Beach

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014; CONSTRUCTION *(If Applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project Manager for engineering and landscape architectural design services to implement streetscape improvements for Quadrille Boulevard from Okeechobee Boulevard to Datura Street. Improvements included new sidewalks along the west side of Quadrille, street trees, landscaping, site furnishings, irrigation, street lighting, and decorative crosswalks. Landscaping for the corridor features a low-water use perennial peanut groundcover in lieu of turf grasses and large Live Oak shade trees that will overhang the sidewalk and provide shade to pedestrians.

d.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Landscape Architect. 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. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone and improve pedestrian experience 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.

e.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, Hollywood

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: ; CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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, and buffered bicycle lanes 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Tricia C. Richter, PLA, ASLA	Landscape Architecture	7	7

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Landscape Architecture / University of Florida / 2011	FL / Prof Landscape Architect / LA6667244 / 2017

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Seven years of experience with landscape design, construction document preparation, and in preparing presentation graphics

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Downtown Light Pole Standards, Boca Raton	2017	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Landscape architect. The City previously had a mix of high-pressure sodium, metal halide, and LED light fixtures; however, the aging lights were no long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. We 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.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Las Olas Boulevard Corridor Improvements, City of Fort Lauderdale		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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 Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage; active park and plaza areas; and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. Kimley-Horn is providing the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services. The City was interested in providing buffered bike lanes, opportunities for landscaping and emphasize pedestrian and bike mobility.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach	2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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 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.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Georgia Avenue Resurfacing, West Palm Beach		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Landscape architect for improvements to the Georgia Avenue Corridor from Forest Hill Boulevard to West Lakewood Road. The scope for the roadway improvement includes improving the existing asphalt pavement, either through milling and resurfacing of Full Depth Reclamation (FDR), upgrading the existing sidewalk and curb ramp to current ADA standards, minor drainage modifications, improving the existing lighting system, and incorporation of minor landscaping and irrigation where possible. The new design was shaped considering the corridor being a high truck traffic area with major on-street parking needs.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
SR A1A Complete Streets Design, Hollywood		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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, and buffered bicycle lanes 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Stephen Feccia, PLA, ASLA	Landscape Architecture	a. TOTAL: 7	b. WITH CURRENT FIRM: 5

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS / Environmental Horticulture / University of New Hampshire / 2008 Master of Landscape Architecture / Florida International University / 2014	FL / Prof Landscape Architect / LA6667289 / 2017

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Serves numerous public and private sector clients as project manager and lead landscape architect for several high end urban, commercial, residential, and streetscape developments
- Accomplished in implementing productive problem solving, critical analysis, and innovative strategies to aid in profitable and comprehensive projects

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Complete Streets Design, Hollywood

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Landscape Architect on 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, and buffered bicycle lanes 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Fern Street Streetscape and Complete Streets Design, West Palm Beach

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 | CONSTRUCTION *(If Applicable)*: 2018

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

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.

c.

(1) TITLE AND LOCATION *(City and State)*: Historic Miramar Complete Streets, Miramar

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Landscape architect for the development of design concepts and a phasing plan for the City to implement their Complete Streets vision. 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 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.

d.

(1) TITLE AND LOCATION *(City and State)*: Rosemary Avenue Streetscape Improvements, West Palm Beach

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Landscape architect. Kimley-Horn was retained to provide landscape, hardscape, and irrigation design services to enhance revise the Rosemary Avenue and Hibiscus Street corridors. Streetscape improvements include narrowing the travel lanes, eliminating on-street parking, creating fluid pedestrian transition areas, and raising the road to create a curb-less street. A series of decorative pavers were selected for surface treatments that were strategically arranged to delineate pedestrian and vehicular areas. Site amenities were proposed including a custom seatwall, benches, bike racks, and bollards. This will include paver block driving surfaces, pedestrian paths, and other landscape and hardscape treatments.

e.

(1) TITLE AND LOCATION *(City and State)*: Martin Luther King, Jr. (MLK) Drive Beautification, Phases 1 & 2, Delray Beach CRA

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Landscape architect. Kimley-Horn provided landscape architectural master planning services for the design of landscape, lighting, and hardscape enhancements for the entire length of Martin Luther King, Jr. Drive. The design concept included the continuation of an existing sidewalk network; decorative lighting; right-of-way plantings with flowering trees, palms, and other landscaping; and artwork on existing utility poles.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Victoria A. Bacheler	Permitting	6	3

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Vero Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science / Marine and Environmental Biology / Nicholls State University / 2013 BS / Wildlife Ecology and Conservation / University of Florida / 2009	FL / Board Cert Env Scientist / GTA-18-00039 / 2018

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Experience working with state and federal agencies such as the U.S. Army Corps of Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Apollo Beach Boulevard Extension/I-75 Flyover, Hillsborough County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental scientist for the Kimley-Horn team designing the extension of Apollo Beach Boulevard from US 41 to Paseo al Mar Boulevard that will result in a 4-lane facility including the bridge over I-75 to the eastern limits of the conservation easement or approach tie-down. Extending Apollo Beach from US 41 to US 301 will serve as an alternative east/west connection ultimately reducing traffic demands on Big Bend Road. This work effort includes alignment and traffic studies; surveying; geotechnical exploration, testing, and analysis; preparing engineering reports with right-of-way maps and environmental documentation incorporating roadway, stormwater detention, and wetland mitigation requirements; permitting requirements; and determination of right-of-way requirements.

b.

(1) TITLE AND LOCATION *(City and State)*: CR 525E Extension Design and Permitting, Sumter County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst. This project involves design and permitting associated with a new approximately one-mile roadway extension to support regional transportation connectivity and economic growth. Design plans and permits were obtained for the first two lanes of a future four-lane road section. Services included surveying and mapping, geotechnical explorations, environmental assessments and permitting, roadway design and construction plans, permitting, and bid documents and assistance. The project was designed as two lanes of the ultimate four-lane buildout configuration identified to be needed to support future traffic growth associated with a new interchange connection at CR 514 at I-75. Kimley-Horn will also be providing engineer of record services during construction.

c.

(1) TITLE AND LOCATION *(City and State)*: SR A1A North Causeway PD&E Study, FDOT District Four, Fort Pierce

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental scientist responsible for conducting boat surveys to identify which vessels require bridge openings, assisting with the writing and submittal of NEPA documentation, conducting benthic resources survey to assess seagrass beds, and conducting wetland delineation of mangrove habitats adjacent to the bridge. The purpose of this PD&E Study is to evaluate bridge replacement alternatives to resolve the existing bridge's structurally deficient conditions and enhance regional mobility for the adjacent area.

d.

(1) TITLE AND LOCATION *(City and State)*: Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst. 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. Kimley-Horn is providing design and landscape services for the addition of bicycle lanes on NW 64th Avenue in Sunrise.

e.

(1) TITLE AND LOCATION *(City and State)*: Midway Road (CR 712) Design and Reconstruction, FDOT District Four, St. Lucie County

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental scientist conducting Crested Caracara surveying. Kimley-Horn will be responsible for permitting 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). The project includes replacement of the existing bridge over the North Fork of the St. Lucie River and includes signing, lighting, signalization, and landscaping. 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 change, 4(f) properties, utilities and, possibly, decorative lighting within the historic limits.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Shelby Oenbrink, WPIT	Permitting	a. TOTAL: 6	b. WITH CURRENT FIRM: 1

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Vero Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Environmental Science / University of Central Florida / 2013	FL / Wetland Pro in Training

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR A1A Streetscape Improvements, Fort Lauderdale

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If Applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental 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. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone and improve pedestrian experience 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.

b.

(1) TITLE AND LOCATION *(City and State)*: All Electronic Tolling Conversion, Northern Coin System, Florida's Turnpike Enterprise

(2) YEAR COMPLETED — PROFESSIONAL SERVICES | CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst on the Kimley-Horn team who was responsible for the environmental assessments conducted within the project limits. The project limits are on the Florida's Turnpike Mainline (SR 91) between MP 254 and MP 296. Design included milling, resurfacing, traffic control, signing and marking, overhead sign design, sign panel replacements, ITS, and landscaping.

c.

(1) TITLE AND LOCATION *(City and State)*: Boynton Beach Police Headquarters - Phase 1 Design

(2) YEAR COMPLETED — PROFESSIONAL SERVICES | CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst on the Kimley-Horn team who was retained by a local contractor to assist the City of Boynton Beach in conducting a Spatial Needs Assessment, develop a master plan, and design a Police Headquarters at a site on High Ridge Road. As part of the design team, we will develop 30% and 75% documents civil engineering needs, traffic assessment, and landscape architectural services. Kimley-Horn was retained by a local contractor to assist the City of Boynton Beach in conducting a Spatial Needs Assessment, develop a master plan, and design a Police Headquarters at a site on High Ridge Road. As part of the design team, we will develop 30% and 75% documents civil engineering needs, traffic assessment, and landscape architectural services.

d.

(1) TITLE AND LOCATION *(City and State)*: Lost Oak Resort Master Plan, Lake Wales

(2) YEAR COMPLETED — PROFESSIONAL SERVICES | CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst responsible for numerous wildlife surveys for federal and state listed species. Also responsible for wetland delineation and coordination with multiple agencies: SFWMD, USACE, and USFWS. Kimley-Horn provided preliminary engineering and consulting services for this resort development. Services included preparation of a conceptual master plan and preliminary design concepts for permitting.

e.

(1) TITLE AND LOCATION *(City and State)*: Allure on the Parkway, Lake Mary

(2) YEAR COMPLETED — PROFESSIONAL SERVICES | CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Environmental analyst. Kimley-Horn is providing civil engineering services for this 12-acre, mixed-use development proposed to include 247 condo units, 350 rental units, 80,000 square feet of office space, 50,000 square feet of retail, and a 215-key hotel. What makes this mixed-use development unique is its location to the Seminole Trail on the west side of the property and large frontage on International Parkway. Specifically, Kimley-Horn prepared a final master plan, including a master land use plan, transportation plan, utility service plan, site development plan, and landscaping plan for this mixed-use development from consolidation of projects. The scope includes tree inventory and mitigation plans, landscape conceptual design, landscape code plan, design development plans, lighting plans, construction plans and construction phase services, and irrigation plans.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Anthony M. Bevilacqua, P.E.	Structural	23	20

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Engineering / University of Florida / 1999 BS / Civil Engineering / Florida State University / 1997	FL / Professional Engineer / 59262 / 2003

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 20 years of experience with bridge design, construction, and scour analysis

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Structural engineer 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 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Riverside Drive to Rock Island Road Broward County

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Structural 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. 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.

c.

(1) TITLE AND LOCATION *(City and State)*: Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Structural engineer. Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a 6-lane divided urban arterial from Rock Island Road to U.S. 441 (State Road 7). Broward County and FDOT are sharing in the cost of improvements which include roadway design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

d.

(1) TITLE AND LOCATION *(City and State)*: Dixie Highway Flyover Design-Build, FDOT District Four, Deerfield Beach

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project Engineer. Provided structural design services for an eight-span, s-curved, steel box girder bridge over Hillsboro Canal and FEC RR; a three-span bridge over the canal; and retaining walls. This was a fast-track design-build project with only seven months allotted to complete the design and release the project to construction.

e.

(1) TITLE AND LOCATION *(City and State)*: Pedestrian Bridge Design and Roadway Improvements, Miami Gardens

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer on the Kimley-Horn team selected by the City for the design and construction of a new pedestrian bridge. The purpose of this project was to provide pedestrian access along the north side of NW 175th Street and NW 173rd Drive across a Miami-Dade County canal. The current bridge is two lanes with a raised pedestrian sidewalk along the north side. Our team provided included intersection improvements, signing/pavement markings, sidewalk and ADA improvements, signal modifications, and structural engineering, including bridge evaluation, rehabilitation, design, permitting, and coordination with FDOT.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jamea M. Long, P.E.	Structural	a. TOTAL: 22	b. WITH CURRENT FIRM: 21

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Florida / 1997	FL / Professional Engineer / 58677 / 2002

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 23 years of engineering experience
- Responsibilities include coordinating projects, performing calculations, coordinating plan preparation, QC bridge calculations and plans, and reviewing shop drawings

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: 2015; CONSTRUCTION *(If Applicable)*: 2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for a multi-phased project that included a study and conceptual design, temporary implementation of the design for trial period and final design of the permanent improvements. This project included the reconfiguration of the two one-way segments of US 11 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.

b.

(1) TITLE AND LOCATION *(City and State)*: Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: ; CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Engineer of record for structural design. As a subconsultant to another firm, Kimley-Horn is providing structural design services for a new Lyons Road bridge over the Lake Worth Drainage District (LWDD) L-38 Canal adjacent to the existing bridge. Careful attention needs to be maintained when working adjacent to existing large underground utilities and overhead electric lines that may interfere with bridge pile driving. Kimley-Horn is coordinating closely with LWDD for the design of the new bridge and consideration of canal access.

c.

(1) TITLE AND LOCATION *(City and State)*: Old Dixie Highway, Yamato Road to Linton Boulevard, Boca Raton

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager and structural engineer. As a subconsultant to another firm, Kimley-Horn provided structural design and signalization services for the construction of a new three-lane urban roadway section from Yamato Road to Linton Boulevard. The project scope included the design, permitting, and construction plans for 3.5 miles of Old Dixie Highway from north of Yamato Road to north of Linton Blvd. The structural component of the project included the bridge replacement over the C-15 Canal. Our team coordinated with Palm Beach County Utilities and South Florida Water Management District for relocation of existing utilities and ultimate design of the bridge replacement.

d.

(1) TITLE AND LOCATION *(City and State)*: Pedestrian Bridge Design and Roadway, Miami Gardens

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: ; CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer on the Kimley-Horn team selected by the City for the design and construction of a new pedestrian bridge. The purpose of this project was to provide pedestrian access along the north side of NW 175th Street and NW 173rd Drive across a Miami-Dade County canal. The current bridge is two lanes with a raised pedestrian sidewalk along the north side. Our team provided included intersection improvements, signing/pavement markings, sidewalk and ADA improvements, signal modifications, and structural engineering, including bridge evaluation, rehabilitation, design, permitting, and coordination with FDOT.

e.

(1) TITLE AND LOCATION *(City and State)*: SR 710/Beeline Highway Design (East and West), FDOT District Four

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: ; CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior structural engineer and engineer of record responsible for design of miscellaneous structures for two new construction/widening projects. The combined length of both projects is 3.93 miles. Kimley-Horn's design team provided major highway design services for these projects. The eastern project (Project B) provided a four-lane, divided urban highway, and construction finished in late 2014. Project C also provides a four-lane, divided urban highway with perimeter walls for resident's privacy. Construction started in January 2016.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Chelsea M. Marajh, P.E.	Structural	6	6

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Florida / 2012	FL / Professional Engineer / 84300 / 2017

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Software experience includes AutoCAD, MATLAB, and Visual Analysis
- American Institute of Steel Construction (AISC), Member

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach	2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer 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 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.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Miami Beach Convention Center		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer. This multidisciplinary project includes streetscape; the redesign of Convention Center Drive, 19th Street, and 18th Street; and the realignment of all underground utilities, including large storm culverts, water mains, sewer mains, force mains, and dry utilities. Other civil services associated with the project include improvements and modifications to three signalized intersections; coastal engineering; and environmental engineering, including the preparation of a soil management plan for earthwork management during construction. Kimley-Horn's of work scope includes a change in each roadway vertical alignment, a new drainage system, upgrades to the adjacent pedestrian facilities to meet current ADA standards, improvements to three signalized intersections, and installation of several rectangular rapid flashing beacons for pedestrian crosswalks.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Lake Worth Neighborhood Road Program Year 1, Year 2, and Year 3		

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Davie - SW 67th Avenue Design	2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer for an extension of the Town's existing roadway from NW 41st Court south to Orange Drive. 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. 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.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
The Flamingo South Tower Garage/Lanai, Miami Beach	2012	2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer. Kimley-Horn served as prime designer for the design-build demolition and replacement of an existing parking garage/lanai deck for the residents of the adjacent condominium tower facing Biscayne Bay. The pre-existing structure supports a lanai deck providing an area for resident gatherings and events. Our services included civil engineering, parking consultation, structural engineering, and landscape architecture and have teamed with consultants to provide architecture and MEP engineering.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Lisa Stone, P.E.	Public Involvement, Construction Phase Services	a. TOTAL 23	b. WITH CURRENT FIRM 21

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., West Palm Beach

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / University of Florida / 1996	FL / Professional Engineer / 56806 / 2001

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 23 years of roadway design and PD&E experience in Florida
- Experience includes transportation, PD&E, public involvement, roadway design, plan preparation, utility coordination, maintenance of traffic, pavement design, roadway lighting design, signing and pavement marking, permitting, long range estimates, specifications, and post-design services

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Royal Park Bridge Bridgehead and Approach Design, FDOT District Four, West Palm Beach and Palm Beach	PROFESSIONAL SERVICES 2010	CONSTRUCTION *(If Applicable)* 2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project Engineer. Kimley-Horn provided bridge design, transportation planning, PD&E services, public involvement, urban design, and landscape architecture for the new $50-million Royal Park Bridge connecting the Town of Palm Beach with the City of West Palm Beach. Served as project engineer for improvements to SR 704 from Dixie Highway to Cocoanut Row. The project included milling and resurfacing of Okeechobee Road, Lakeview Avenue, and Flagler Drive, as well as reconstruction of Royal Palm Way and replacement of the existing bascule bridge.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
SR A1A Streetscape Improvements, Fort Lauderdale	PROFESSIONAL SERVICES 2018	CONSTRUCTION *(If Applicable)* 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project Engineer. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone and improve pedestrian experience 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.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Wiles Road Design from Riverside Drive to Rock Island Road, Broward County	PROFESSIONAL SERVICES 2018	CONSTRUCTION *(If Applicable)* 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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. 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.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Lake Worth Neighborhood Road Program Year 1, Year 2, and Year 3	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

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

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
SR 5/US 1 and SR A1A RRR Design Services, FDOT District Four	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project 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 project also includes a public involvement program involving five municipalities and coordination of landscape design for all cities. The project involves adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Erin N. Emmons, GISP	Data Collection	14	12

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Plantation, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Urban and Regional Planning / Florida Atlantic University / 2006	Geo Info Systems Pro / 66559 / 2012

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- Has 14 years of experience years of experience as a transportation and long-range community planner, with a specialty focus in GIS, field surveying and GPS data configuration, and database development for asset management

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County Transit Signal Priority (TSP) Implementation, FDOT District Four, Broward County

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst 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.

b.

(1) TITLE AND LOCATION *(City and State)*
Broward County South US 1 Bus Rapid Transit (BRT) Improvements Study

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst. This project focused on Bus Rapid Transit improvements for South US 1 between Downtown Fort Lauderdale and Aventura Mall. The study developed a package of short- and medium-term implementation projects and identified long term investments to improve transit service, mobility, and livability. 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.

c.

(1) TITLE AND LOCATION *(City and State)*
Town of Miami Lakes Complete Streets Program

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Deputy Project Manager. Kimley-Horn assisted the Town of Miami Lakes in developing a Complete Streets program consistent with the Miami-Dade County Complete Street Guidelines. The plan included an analysis of all town roads, development of roadway typologies including cross sections, recommended improvements along targeted corridors and preliminary cost estimates. The plan helped coordinate the Town's efforts with their comprehensive plan, strategic plan, and the trails master plan.

d.

(1) TITLE AND LOCATION *(City and State)*
Boynton Beach Boulevard Design from East of I-95 to US 1

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

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

e.

(1) TITLE AND LOCATION *(City and State)*
Bicycle and Pedestrian (Bike/Ped) Mobility Plan, Miami Gardens

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2013	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project analyst. Kimley-Horn prepared a bicycle and pedestrian mobility plan for the City of Miami Gardens. The project included recommendations for short- and long-tern mobility improvements based on the literature review, transportation mobility analysis, identification of goals and objects, and input from the Steering Committee. We analyzed existing transportation mobility conditions and community features in Miami Gardens using geographic information systems (GIS) and prepared a series of maps that illustrate the background conditions for improving the City's bicycle and pedestrian mobility. The Kimley-Horn team used the methodologies established in the 2009 FDOT Quality/Level of Service Handbook to assess the bicycle and pedestrian level of service of the major roadways with the City and mapped the results with GIS.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Daniel Checchia	Subsurface Utility Engineering and Utility Coordination	a. TOTAL **19**	b. WITH CURRENT FIRM **5**

15. FIRM NAME AND LOCATION *(City and State)*
Keith and Associates, Inc., Pompano Beach, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
AS Applied Science in Construction Technology, Suffolk Community College, 2008	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
FDOT Maintenance of Traffic

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
FDOT D4 Ravenswood Bridge Replacement (*Fort Lauderdale, Florida)*

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2014	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Checchia served as the utility coordination manager. KEITH managed the Utility Coordination for this Bridge Replacement Project on Ravenswood Rd., north of Griffin Rd. Our Design ticket with Sunshine State One Call of Florida identified twelve (12) Utility Agencies and the Broward County Traffic Engineering Dept. Five (5) Utility Agencies (MCI/Verizon, Buckeye Pipeline, City of Dania Beach, Level 3, and Florida Gas Transmission) had facilities in the area but were not involved in the Project and we negotiated/coordinated six (6) Non-Reimbursable Utility Work Schedules (AT&T , Comcast, FPL Distribution, FPL Transmission, FPL Fibernet, and TECO Peoples Gas). Broward County Water and Wastewater entered into a "Utility Work by Highway Contractor Agreement" for the Engineering and Design of the relocation/adjustment of the water and sanitary lines that were impacted by this bridge replacement project.

a.

(1) TITLE AND LOCATION *(City and State)*
Ft. Lauderdale-Hollywood International Airport Phase 1 & 2 Utility Atlas Update for South Runway Expansion of 9R/27L (*Fort Lauderdale, Florida)*

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2013	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Checchia, as Senior Project Manager, was tasked with providing the providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services as a subconsultant on many projects for the airport. Under the General Engineering contract of RS&H, all work and deliverables were performed in accordance with Airport Circulars 150/5300-18B General Guidance and Specifications for Aeronautical Surveys.

c.

(1) TITLE AND LOCATION *(City and State)*
Ft. Lauderdale-Hollywood International Airport 9R/27L Runway Expansion Lead Design Team (*Fort Lauderdale, Florida)*

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2013	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Checchia, as Senior Project Manager, was tasked with providing the ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services as a sub-consultant on many projects for the airport. Mr. Checchia was responsible for designating and locating of existing utilities for the design of south runway. Multiple crews performed tasks associated with the identification, verification and delineation of utilities.

a.

(1) TITLE AND LOCATION *(City and State)*
Pompano Beach Boulevard Streetscape (*Pompano Beach, Florida)*

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

KEITH provided Quality Level "B" utility designation, Quality Level "A" utility locates and mapping services. KEITH designated the above horizontal alignment of existing known/unknown, toneable and non-toneable utilities using a combination of geo physical prospecting equipment and Ground Penetrating Radar. This information was then collected and used by the design team to identify the location of existing subsurface facilities. KEITH was then requested to perform utility verifications of the facilities by using non-destructive/ non-intrusive vacuum excavation services.

b.

(1) TITLE AND LOCATION *(City and State)*
Briny Avenue Streetscape Improvements (*Pompano Beach, Florida)*

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2014	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

This project involved the widening of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue including wider sidewalks, revised parking configurations and lanes. KEITH provided professional services for a design survey as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue.

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark Mitchell	**Subsurface Utility Engineering**	**20**	**6**

15. FIRM NAME AND LOCATION *(City and State)*

KEITH, Pompano Beach, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

As a Subsurface Utility Engineering Senior Project Manager for the KEITH Utilities Division, Mr. Mark Mitchell is responsible for scheduling and supervising field crews, conducting utility field meetings, utility records research, conflict analysis and determining if additional utility investigation is needed for assigned projects in South Florida. He completed projects from beginning phases to final delivery; which included preparing and submitting fee proposals, coordinating with clients, being able to setup projects for field crews and conducting field visits when trouble shooting is required; download and process collected data; performed quality control and finalize for delivery while keeping clients informed on a daily basis. His experience also includes creating DTM's, Topo's, Tin Models, PNC's and Test Hole summary spread sheets. Mr. Mitchell provides a liaison between designers, utility agencies and owners on behalf of clients to provide utility coordination services, providing documentation, inter-coordination and maintainance of files of all activities for each utility agency.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Briney Avenue Streetscape Improvements *(Pompano Beach, FL)*	2014	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

This project involved the reconstruction of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue including wider sidewalks, revised parking configurations and lanes. KEITH provided professional services for a design survey as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Martin Luther King Boulevard (*Pompano Beach, FL)*	2018	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

As the field supervisor, Mr. Mitchell was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the design engineer on accurately identifying the existing utilities in order to mitigate conflicts with the proposed design.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
SR A1A Conversion (*Pompano Beach, FL)*	2013	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

As the field supervisor, Mr. Mitchell was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the City of Pompano Beach Project Manager on preparing the design build documents to be released for bid.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Fort Lauderdale-Hollywood International Airport SUE Services *(Fort Lauderdale, FL)*	Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

As the field supervisor, Mr. Mitchell was responsible for providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services as a subconsultant on many projects for the airport such as Phase 1 Utility Atlas Update for South Runway Expansion, Phase 2 Utility Atlas for South Runway Expansion, Terminal 4 Fuel Line Relocation, 9R/27L Runway Expansion, Perimeter Road Water and Sewer Utility Improvements, Eastside Watermain Improvements, Westside Watermain Improvements, North Perry Airport HWO Wayfinding, Terminals 2 and 3, etc.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
The Wave Modern Streetcar Project *(Fort Lauderdale, FL)*	2014	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

As a Subconsultant to HDR Engineering, Inc., KEITH was tasked with providing Surveying and Subsurface Utility Engineering (SUE) services for this modern streetcar in Downtown Fort Lauderdale between Northwest 6th Street and Southeast 17th Street. The system would operate 5 modern streetcars in mixed traffic along existing roadways and would utilize transit signal priority. Mr. Mitchell is currently serving as the field supervisor of all utility-related services providing designation, location and mapping of existing subsurface utilities; Utility designation of all known tone-able and non-tone able utilities within the apparent right of way of the Phase 1A Streetcar limits. Up to 44 locations (test holes) shall be utilized to verify radar data and designations.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David P. Lindley, P.L.S.	Professional Land Surveyor	37.5	34.5

15. FIRM NAME AND LOCATION *(City and State)*

Caulfield & Wheeler, Inc. (7900 Glades Rd, Suite 100, Boca Raton, FL 33434)

16. EDUCATION *(Degree AND Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State AND Discipline)*
Associated Degree in Land Surveying/1982	Florida/Professional Surveyor and Mapper/5005/1982 North Carolina/Professional Land Surveyor/4795/1982

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Lindley has been providing Land Surveying Services on projects throughout southeast Florida since 1985. Mr. Lindley experience in many surveying disciplines that include Boundary Surveys, Geodetic Control Surveys, Route and Location Surveys for surface and subsurface mapping of existing utilities for design plan base maps, sketch and legal descriptions for easements and parcel acquisition, Accident Surveys, Wetland Mapping, Stormwater Mapping, Topographic Surveys, Tree Surveys and Platting. Mr. Lindley has extensive Mapping & Computer Automated Drafting experience which allows him to efficiently and accurately complete projects to the high technical standards demanded by our firm.

1982-1985 United States Army Surveyor
AutoCAD Civil 3D Class
16-Hour Florida MTS Class (Bi-annually)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SFWMD FDOT Parkland Bay/Bishop Pit, Parkland, Broward County, Florida
Parkland, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 — CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Land Surveyor. Principal in charge of a Boundary, Topographic and Hydrographic Survey of a 300 acre parcel of land located in Broward County, Florida for Platting and future land develop. This parcel was bounded by multiple rights of way belonging to the South Florida Management District, Broward County, and the Florida Department of Transportation. Fee $150,000.

b.

(1) TITLE AND LOCATION *(City and State)*: Ballpark of the Palm Beaches, West Palm Beach, Palm Beach County, Florida
West Palm Beach, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 — CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Land Surveyor. Principal in charge of Boundary, Topographic/Aerial via (UAV), Hydrographic, HDS Scanner, and location Survey for a 154 Acre parcel for Palm Beach CountyÃ¢â‚¬â„¢s Astros and Nationals training area including a 13 field layout that includes area for tournaments, corporate functions, and other event. Fee $74,000.

c.

(1) TITLE AND LOCATION *(City and State)*: SFWMD Thompson Road Boat Ramp, Lake Worth, Palm Beach County, Florida
Lake Worth, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 — CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Land Surveyor. Survey Party Chief in charge of Boundary, Topographic and Hydrographic Survey to determine the right of way of a portion of the L-18 and E-4 Canal. The overall objective was to map the District's interest within the right of way and included easements, fee title and agreements. Additionally all encroachments were located. Fee $13,000.

d.

(1) TITLE AND LOCATION *(City and State)*: Bruschi aka Watercrest, Parkland, Broward County, Florida
Parkland, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010 — CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Land Surveyor. Professional Land Surveyor in charge of Boundary, Topographic and Hydrographic Survey of a 300 acre parcel of land for Platting and future land development. The project was bounded by multiple rights-of way for various agencies. A portion of the land was recently annexed from Palm Beach County which required research of land records in both counties. Fee $79,300.00.

e.

(1) TITLE AND LOCATION *(City and State)*: Atlantic Ridge, Stuart & Hobe Sound, Martin County, Florida
Stuart & Hobe Sound, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 — CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Land Surveyor. Principal in charge of GPS Control Network, Boundary and Topographic Survey of a 2,700 acre parcel of land for Platting and future land development located in Martin County, Florida. The project was partially bounded by FDOT right-of-way and the Gomez Land Gran, which require extensive research of land records maintained by the state of Florida in the Land Boundary Information System (LABINS), historical land records associated with Florida's Land Grants and a search of the public records for easements that may impact the property. The project also required mapping the Seasonal High Water Line, wetland plant species and eco-sensitive areas. Fee $118,400.00.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Ronnie L. Furniss, P.S.M.	Land Surveyor	39.3	39.3

15. FIRM NAME AND LOCATION *(City and State)*

Caulfield & Wheeler, Inc (7900 Glades Rd, Suite 100, Boca Raton, FL 33434)

16. EDUCATION *(Degree AND Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State AND Discipline)*
/Various Courses/Broward County Community College/2019 /FDOT EFB, CEFB/2019 /Autodesk Civil 3D Course/2019	Florida/Professional Surveyor & Mapper/6272/2019

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Furniss has a diversification of field and management experience in the areas of surveying and mapping throughout Florida since 1980. Mr. Furniss experience in many surveying disciplines that include Boundary Surveys, Geodetic Control Surveys, Route and Location Surveys for surface and subsurface mapping of existing utilities for design plan GIS base maps, sketch and legal descriptions for easements and parcel acquisition for annexation, Wetland Mapping, Storm water Mapping, Topographic Surveys and Platting.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Avenir CDD, Palm Beach Gardens, Palm Beach County, Florida
Palm Beach Gardens, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 | CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Professional Surveyor and Mapper in charge of Boundary and ALTA Survey of a 4,763 acre parcel of land for Platting and future land development. A portion of the land to be dedicated as conservation tracts which required sketch of descriptions for conveyance to South Florida Water Management District, along with additional right-of-way to be dedicated to Palm Beach County for Northlake Boulevard. Fee $75,000.00

b.

(1) TITLE AND LOCATION *(City and State)*: Avenir CDD, Palm Beach Gardens, Palm Beach County, Florida
Palm Beach Gardens, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019 | CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Professional Surveyor and Mapper in charge of preparing the Boundary plat. Prepare plat, defined parcels, tracts, right-of-ways and easements. Worked with site planner, project engineer and the city to develop strategies for future land use. Draft plat and compose dedications and reservations. Supervision of recorded final plat with the county. Fee $80,000.00

c.

(1) TITLE AND LOCATION *(City and State)*: Avenir CDD, Palm Beach Gardens, Palm Beach County, Florida
Palm Beach Gardens, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: ongoing | CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Professional Surveyor and Mapper in charge of preparing POD Plats, defined parcels, tracts, right-of-ways and easements. Worked with site planner, project engineer and the city to define lots, open spaces, parks, lake tracts and easements. Draft plat and compose dedications and reservations. Fee $20,000.00 average per plat.

d.

(1) TITLE AND LOCATION *(City and State)*: Avenir CDD, Palm Beach Gardens, Palm Beach County, Florida
Palm Beach Gardens, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: ongoing | CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Professional Surveyor and Mapper in charge of Boundary, Topographic and ALTA Surveys for various parcel of land for Platting and future land development within the 4,763 acres. Sketch of Descriptions for various easements, parcels and conveyances.
Fees Depending on the size of scope of each parcel.

e.

(1) TITLE AND LOCATION *(City and State)*: Avenir CDD, Palm Beach Gardens, Palm Beach County, Florida
Palm Beach Gardens, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If applicable)*: Not Applicable

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Professional Surveyor and Mapper in charge of Boundary, Topographic and ALTA Survey for the proposed FPL Substation. Services include review of current title commitment, establishing corners, site benchmarks, providing topographic elevations for a final design survey. Fee $5,800.00.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Raj Krishnasamy, P.E.	**Principal Geotechnical Engineer**	a. TOTAL **32**	b. WITH CURRENT FIRM **19**

15. FIRM NAME AND LOCATION *(City and State)*

TSF, West Palm Beach, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS Civil Engineering, Christian Brothers University, 1987 MS Civil Engineering, University of Memphis, 1996	Professional Engineer, Florida No. 53567

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

American Society of Highway Engineers, Past President, Florida Engineering Society, Past Treasurer
Geotechnical Material Engineering Council, Past Chairman

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **SR 820/Pines Boulevard/Hollywood Boulevard From east of US-27 (MP 0.100) to east of Young Circle (18.900), Broward County, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Krishnasamy was the principal in charge of the geotechnical engineering services for several roadway improvements projects on Flamingo Road, Pines Boulevard and Hollywood Boulevard in Broward County. 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 Pill Wall, Light Pole installation, and construction considerations. ✓ ***Completed on time*** ✓ ***Within budget***.

b.

(1) TITLE AND LOCATION *(City and State)*: **Mast Arms - SR A1A and Garfield Street, Hollywood, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Krishnasamy was the principal in charge of the geotechnical engineering services the mast arm installations located at SR A1A and Garfield Street in Hollywood, Florida. The purpose of the study was to provide geotechnical (i.e. soils and groundwater) input to the design team to assist in the foundation design. Field work included SPT borings. Prepared geotechnical engineering report, which summarized the field and laboratory data generated, the subsurface conditions encountered and the geotechnical recommendations for the design. ✓ ***Completed on time*** ✓ ***Within budget***

c.

(1) TITLE AND LOCATION *(City and State)*: **Hollywood North Beach Park- Mooring Fields, Hollywood, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Krishnasamy was the principal in charge of the geotechnical exploration and evaluation of the subsurface conditions for the Hollywood North Beach Park-Mooring fields development located at North Beach Park just northwest of intersection of Sheridan Street and N Ocean Drive in Hollywood, Florida. Park improvements include a restroom and mooring fields. Provided a geotechnical report that outlined the testing procedures, described the site and subsurface conditions, and presented geotechnical recommendations for foundation design, foundation soil preparation requirements, Pavement recommendations, general site development and comments regarding factors that may impact construction and performance of the proposed construction. ✓ ***Completed on time*** ✓ ***Within budget***

d.

(1) TITLE AND LOCATION *(City and State)*: **Mast Arms at Hillsboro Blvd and Nob Hill Rd Parkland, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 — CONSTRUCTION *(If applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Krishnasamy was the principal in charge of the geotechnical engineering study for the traffic signal mast arms located at Hillsboro Blvd and Nob Hill Rd in Parkland, Florida. The purpose of this study was to provide geotechnical input to the design team to assist in the foundation design. Prepared geotechnical engineering report, which summarized the field and laboratory data generated, the subsurface conditions encountered and the geotechnical recommendations for the design. ✓ ***Completed on time*** ✓ ***Within budget***

e.

(1) TITLE AND LOCATION *(City and State)*: **City of Lauderhill Performing Arts Center and Library Lauderhill, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014 — CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Krishnasamy was the principal in charge of the geotechnical exploration for the construction of the Performing Arts Center and Library, a 47,000 square feet facility. Field work included Standard Penetration Test (SPT) borings, auger borings, and Borehole Permeability (BHP) tests. Provided geotechnical recommendations for foundation design, construction excavation/dewatering, lateral earth pressure/retaining walls, pavement design, drilled shaft foundation for light poles, and general site development. During construction, TSF provided an inspector to observe the footing subgrade at the Orchestra Pit and provide recommendations. ✓ ***Completed on time*** ✓ ***Within budget***

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Kumar Vedula, P.E.	**Principal Geotechnical Engineer**	a. TOTAL **23**	b. WITH CURRENT FIRM **13**

15. FIRM NAME AND LOCATION *(City and State)*
TSF, West Palm Beach, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Engineering, Andhra University, India, 1992 MS Civil Engineering, University of Memphis, 1995	Professional Engineer, Florida No. 54873

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
American Society of Civil Engineers, Past President
Augered Cast-in-Place and Driven Pre-stressed Concrete Pile Field Performance Comparison, Frizzi, R. P, & Vedula, R.V, Published in FHWA Resource Center, 83rd Annual Transportation Research Board Meeting, Washington D.C., January 2004

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
a.	**Water Main Replacement, City of Hollywood, Florida**	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Vedula was the Principal Geotechnical Engineer for the subsurface exploration for the water main replacement in the City of Hollywood, Florida. The project area is within the boundaries of NW 72nd Avenue, N 66th Avenue, Charleston Street, and Taft Street. Field work consisted of Standard Penetration Test (SPT) borings and pavement cores. Upon completion of the field exploration, a geotechnical engineer evaluated the results and provided subsurface profile and pavement core data. ✓ ***Completed on time*** ✓ ***Within budget***

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
b.	**SR 820/Pines Boulevard/Hollywood Boulevard From east of US-27 (MP 0.100) to east of Young Circle (18.900), Broward County, Florida**	2017	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Vedula was the senior geotechnical engineer for several roadway improvements projects on Flamingo Road, Pines Boulevard and Hollywood Boulevard in Broward County. TSF 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 Pill Wall, Light Pole installation, and construction considerations. ✓ ***Completed on time*** ✓ ***Within budget***

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
c.	**Sheridan Street and Dykes Road Intersection Improvements, Broward County, Florida**	2017	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Vedula was the Principal Geotechnical Engineer for the geotechnical engineering services for the intersection improvement project at the intersection of Sheridan Street and Dykes Road in Broward County. The improvements included signalization structures and roadway improvements. Geotechnical field study included auger borings, SPT borings, on-site exfiltration test, and pavement cores. Provided a geotechnical Service Report summarizing the course of study pursued, field data, subsurface conditions, and geotechnical recommendations regarding pavement design, and foundation design and drilled shaft construction recommendations for mast arms. ✓ ***Completed on time*** ✓ ***Within budget***

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
d.	**SW 4th Avenue at SW 28th Street, Broward County, Florida**	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

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. The improvements included the installation of a mast arm structure, and roadway widening in the general intersection areas. Field work included SPT borings. Provided geotechnical evaluations and recommendations regarding foundation design and drilled shaft construction. ✓ ***Completed on time*** ✓ ***Within budget***

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
e.	**Marina Mile (SR 84) at SW 15th Avenue, Broward County, Florida**	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Vedula was the Principal Geotechnical Engineer for the safety improvement project at the intersection of Marina Mile Boulevard (SR 84) and SW 15th Avenue in Broward County. The improvements included the installation of a mast arm structure, and roadway widening in the general intersection areas. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical evaluations and recommendations regarding foundation design and drilled shaft construction. ✓ ***Completed on time*** ✓ ***Within budget***

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 1

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
SR A1A Complete Streets Design, Hollywood CRA, FL	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hollywood CRA	Susan Goldberg	954.924.2980

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn assisted the City of Hollywood 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. Decorative street lighting was designed to provide a uniform look and feel throughout the corridor, enhance pedestrian safety, and maximize usable pedestrian space. Kimley-Horn evaluated decorative lighting alternatives and presented the City with multiple options for considerations. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for City and public input. This provided an opportunity to observe scale, light output, color temperature, and aesthetics. Design considerations included coordination with FPL undergrounding, avoiding utility conflicts with proposed landscaping, and limiting impacts to existing decorative pavers. We coordinated with ongoing FDOT and City projects and Florida Fish and Wildlife Conservation (FWC). Other design elements included a reduction of speed to improve safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signing.

Fee: $315,225.32

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Plantation, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
c.	Kimley-Horn and Associates, Inc.	Coral Gables, FL	Prime Consultant
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 2

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA	2015	2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Delray Beach CRA	Jeff Costello	561.276.8640

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The multi-phased project was a Complete Streets pioneer in the South Florida area, which is being studied by various agencies for implementation on state roadways. It was a road diet/lane elimination project on US 1 on behalf of the City and the Delray Beach Community Redevelopment Agency. The project included a study and conceptual design, temporary implementation of the design for a trial period (to convince 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 bicycle lanes on both avenues. The improvements encourage slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification; decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new thematic sense of continuity throughout the Downtown area with pavers and decorative crosswalks. Kimley-Horn provided post design services during construction.

Fee: $1,185,000.00

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Plantation, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
c.	Kimley-Horn and Associates, Inc.	Coral Gables, FL	Prime Consultant
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 3

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida DOT District Six	Raul Quintela	305.470.5271

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

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 project included 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. Kimley-Horn provided roadway, signalization, lighting, structural and landscape design. Also led development of signing and pavement markings plans.

Fee: $2,600,572.10

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Plantation, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
c.	Kimley-Horn and Associates, Inc.	Coral Gables, FL	Prime Consultant
d.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Prime Consultant
e.	Kimley-Horn and Associates, Inc.	Phoenix, AZ	Prime Consultant
f.	Kimley-Horn and Associates, Inc.	Nashville, TN	Prime Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 4

21. TITLE AND LOCATION *(City and State)*: Boca Raton Downtown Light Pole Standards, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
2017	2017

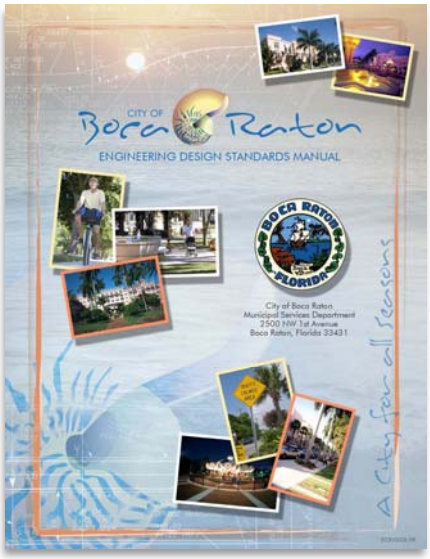
23. PROJECT OWNER'S INFORMATION

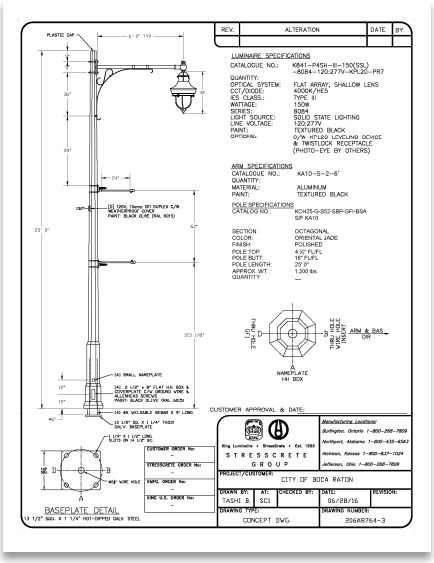
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Boca Raton	Erik Ferguson	561.416.3387

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

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

Fee: $32,716.36





25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	Nashville, TN	Prime Consultant
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 5

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
Rosemary Avenue Street Lighting Improvements, West Palm Beach, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Related Urban Development LLC	Lorenzo Rivero	561.494.1076

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn is providing the City general engineering and consulting services. Our team is designing decorative lighting supporting the City's efforts to enhance pedestrian safety, create a uniform look within the downtown area, and support future improvements along the corridor. Kimley-Horn coordinated with the City and the CRA to select decorative light fixtures. Design considerations included maintaining pedestrian traffic during construction, considering approved site plans for proposed light locations, and developing spread footer foundations to avoid utility conflicts. Existing lighting conduit runs were used to the extent practical limiting the construction impact to existing facilities. The project included addressing sidewalk deficiencies such as trip hazards for ADA compliance. Proposed light fixtures include a 7-pin receptacle to support future smart control functions.

Fee: $225,812.62

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 6

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
Lighting Design Retrofit Project (Commercial Blvd.), FDOT District Four	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida DOT District Four	Bing Wang	954.777.4406

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn provided design services for replacement and/or upgrades to 27 intersections along Commercial Boulevard in Fort Lauderdale. Project goals included increasing pedestrian safety at signalized intersections by installing LED fixtures. The Town of Lauderdale by the Sea uses decorative light fixtures and requested that proposed match these fixtures. Since Commercial Boulevard is a state roadway, our team coordinated with FDOT on approval of these fixture and the necessary maintenance agreements between the Town and FDOT. Design considerations included minimizing impacts to existing brick pavers and designing pedestrian detours to maintain access to businesses.

Fee: $207,163.69

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Subconsultant
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 7

21. TITLE AND LOCATION *(City and State)*: Wiles Road Design from Rock Island Road to US 441 (SR 7) Coral Springs, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Broward County	Michael Hammond	954.577.4558

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

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). Key elements of the project included a successful public involvement program obtaining input from HOA's, public schools, and the City of Coral Springs regarding decorative streetlamps and design of a City entrance monument. Decorative light fixtures were installed between Creekside Drive and SR 7. Our team coordinated extensively with Broward County, FDOT, FPL, and permitting agencies (SFWMD and FDOT) to ensure project elements met the goals of all stakeholders.

Fee: $1,103,543.36

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	Plantation, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
c.	Kimley-Horn and Associates, Inc.	Coral Gables, FL	Prime Consultant
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 8

21. TITLE AND LOCATION *(City and State)*: Ocean Avenue Lighting Improvements, Boynton Beach CRA, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
2017	2017

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Boynton Beach CRA	Michael Simon	561.600.9091

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn provided lighting improvements for Ocean Avenue from Seacrest Blvd to Federal Highway. The CRA staff had desired improved lighting with higher light levels, better distribution, and a more creative approach to illuminating the tree trunks and foliage throughout the corridor. Our scope of services involved installation of decorative lighting fixtures, structural engineering for new light poles and lighting features, and coordination for bidding of the project. Design considerations included reviewing structural integrity of existing poles, maximizing the use of existing lighting circuits to reduce cost, addressing maintenance concerns with existing light fixture coatings, and installation of new lighting load centers. We also provided conceptual design and base map; preparation of construction plans and agency submittals; and meetings, bid phase services, and project management

Fee: $23,690

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 9

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
Design Services for SR 817 from Hallandale Beach Blvd. to SR 834/Sample Rd	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida DOT District Four	Nadir Rodrigues	954.777.4635

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The purpose of this project is to provide pedestrian, bicycle, traffic, and transit operational and safety improvements for the SR 817/University Drive Corridor from Hallandale Beach Blvd to SR 834/Sample Road. Lighting improvements were recommended from the Broward MPO University Drive Mobility Improvements Planning Study. Kimley-Horn closely coordinated with municipal owners, FPL, and FDOT during the design phase to ensure project and stakeholder goals were met. Kimley-Horn's design focused on improving pedestrian safety at signalized intersections and filling gaps in the existing pedestrian lighting. Our team coordinated the approval of lighting maintenance agreements between FDOT, municipal owners, and FPL. Construction along several sections of University Drive are currently underway.

Fee: $130,223.02

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 10

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
Boca Raton CRA Lighting Retrofit	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Boca Raton CRA	Erik Ferguson	561.416.3387

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn assisted the Boca Raton CRA with the design of lighting improvements within the entire CRA boundary. The City's goal for the project was to replace aging fixtures with decorative LED lights to create a consistent look and feel within the CRA. The project included coordination with Florida Power and Light to supply the lighting through their street light tariff program. Several decorative street lighting options were evaluated and presented to the CRA for review and approval. Photometrics were developed to determine required spacing of fixtures and develop monthly maintenance cost estimates for the City. Preliminary locations were field verified to ensure no impacts to pedestrian or business access, utility conflicts, or constructability issues with existing site conditions.

Fee: $400,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Kimley-Horn and Associates, Inc.	West Palm Beach, FL	Prime Consultant
b.	Kimley-Horn and Associates, Inc.	Vero Beach, FL	Prime Consultant
c.			
d.			
e.			
f.			

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Matthew B. Fursetzer, P.E.	Project Manager, Lighting Design, Feasibility Studies, Bidding Assistance, Public Involvement, Construction Phase Services	X	X	X	X	X	X	X	X	X	X
Marwan H. Mufleh, P.E.	Principal-in-Charge, Bidding Assistance	X	X					X			
James M. Sumislaski, P.E.	Quality Assurance/Quality Control		X	X			X	X		X	
Nicholas J. Clavelo, P.E.	Lighting Design	X				X	X			X	
Nicholas J. Provenzo, E.I.	Lighting Design, Feasibility Studies	X			X		X	X		X	X
Gin Ng, P.E.	Civil Engineering		X					X			
Robert R. Conklin	Civil Engineering	X	X					X			
Sara C. Lopez, P.E.	Civil Engineering, Public Involvement, Construction Phase Services									X	
Cristina I. Caceres, E.I.	Civil Engineering	X				X				X	X
Jon Chambers	Electrical Engineering										
Bryan S. Larsen, P.E.	Electrical Engineering			X	X	X					
Jeffrey Sallee, P.E.	Electrical Engineering										
Jonathan D. Haigh, PLA, ASLA	Landscape Architecture	X	X						X		
Tricia C. Richter, PLA, ASLA	Landscape Architecture	X			X				X		
Stephen Feccia, PLA, ASLA	Landscape Architecture	X							X		
Victoria A. Bacheler	Permitting										
Shelby Oenbrink, WPIT	Permitting										
Anthony M. Bevilacqua, P.E.	Structural			X				X		X	
Jamea M. Long, P.E.	Structural		X	X							
Chelsea M. Marajh, P.E.	Structural										

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	SR A1A Complete Streets Design	6	Districtwide Pedestrian Lighting Retrofit Design
2	Federal Highway (US 1) Interim and Final Enhancements	7	Wiles Road Design from Rock Island Road to US 441
3	Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St	8	Ocean Avenue Lighting Improvements
4	Boca Raton Downtown Light Pole Standards	9	Design Services for SR 817 from Hallandale Beach Blvd. to SR 834/Sample Rd
5	Rosemary Avenue (CityPlace) Streetscape Improvements	10	Boca Raton CRA Lighting Retrofit

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Lisa Stone, P.E.	Public Involvement, Construction Phase Services										
Erin N. Emmons, GISP	Data Collection										X

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	SR A1A Complete Streets Design	6	Districtwide Pedestrian Lighting Retrofit Design
2	Federal Highway (US 1) Interim and Final Enhancements,	7	Wiles Road Design from Rock Island Road to US 441
3	Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St.	8	Ocean Avenue Lighting Improvements
4	Boca Raton Downtown Light Pole Standards	9	Design Services for SR 817 from Hallandale Beach Blvd.to SR 834/Sample Rd
5	Rosemary Avenue (CityPlace) Streetscape Improvements	10	Boca Raton CRA Lighting Retrofit

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA-19-023

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME: Kimley-Horn and Associates, Inc.		3. YEAR ESTABLISHED: 1983	4. DUNS NUMBER: 061099131
2b. STREET: 600 North Pine Island Road, Suite 450		5. OWNERSHIP a. TYPE: Corporation	
2c. CITY: Plantation	2d. STATE: FL / 2e. ZIP CODE: 33324	b. SMALL BUSINESS STATUS: No	
6a. POINT OF CONTACT NAME AND TITLE: Erin Emmons, GISP		7. NAME OF FIRM *(If block 2a is a branch office)*: APHC, Inc.	
6b. TELEPHONE NUMBER: 954.535.5100	6c. E-MAIL ADDRESS: erin.emmons@kimley-horn.com		
8a. FORMER FIRM NAME(S) *(If any)*		8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
02	Administrative	298	4
12	Civil Engineers	1543	35
13	Communications Engineers	33	3
15	Construction Inspectors	12	1
63	Design Technicians	95	2
26	Forensic Engineers	3	1
47	Planners: Urban/Regional	94	1
48	Project Managers	166	2
65	Technical Support	384	9
58	Technician/Analysts	512	9
60	Transportation Engineers	319	8
62	Water Resources Engineers	59	1
	Other Employees	671	0
	Total	4189	76

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
A05	Airports; Navaids; Airport Lighting; Aircraft	7
A06	Airports; Terminals; & Hangars; Freight	8
C10	Commercial Building; (low rise); Shopping	7
C12	Communications Systems; TV; Microwave	7
F05	Forensic Engineering	7
G01	Garages; Vehicle Maintenance Facilities;	6
H07	Highways; Streets; Airfield Paving; Parking	8
H10	Hotels; Motels	7
H11	Housing (Residential, Multifamily,	7
I04	Intelligent Transportation Systems	8
L03	Landscape Architecture	8
P05	Planning (Community; Regional; Areawide &	6
P06	Planning (Site, Installation and Project)	7
P12	Power Generation, Transmission,	7
R03	Railroad and Rapid Transit	8
R04	Recreational Facilities (Parks; Marinas; etc.)	6
S01	Safety Engineering; Accident Studies; OSHA	6
S04	Sewage Collection, Treatment & Disposal	7
S13	Stormwater Handling & Facilities	6
T03	Traffic & Transportation Engineering	8
U02	Urban Renewals; Community Development	7
W02	Water Resources; Hydrology; Ground Water	7

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

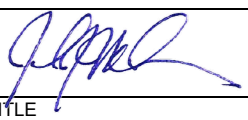
a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE: 08/27/2019
c. NAME AND TITLE: John McWilliams, P.E., Vice President	

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA-19-023

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	5. DUNS NUMBER
Kimley-Horn and Associates, Inc.			1968	061099131
2b. STREET			5. OWNERSHIP	
1920 Wekiva Way, Suite 200			a. TYPE: Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS: No	
West Palm Beach	FL	33411		
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM *(If block 2a is a branch office)*	
Matthew Fursetzer, P.E., Project Manager			APHC, Inc.	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
561.845.0665	matthew.fursetzer@kimley-horn.com			
8a. FORMER FIRM NAME(S) *(If any)*			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
30	Geologists	5	1
02	Administrative	298	32
08	CADD Technicians	123	5
12	Civil Engineers	1543	37
13	Communications Engineers	33	1
15	Construction Inspectors	12	2
63	Design Technicians	95	4
23	Environmental Engineers	14	1
26	Forensic Engineers	3	1
66	Graphic Designers	55	3
39	Landscape Architects	128	4
42	Mechanical Engineers	16	4
48	Project Managers	166	8
57	Structural Engineers	74	4
65	Technical Support	384	11
64	Technical Writers	135	8
58	Technician/Analysts	512	12
60	Transportation Engineers	319	6
62	Water Resources Engineers	59	2
	Other Employees	215	0
	Total	4189	146

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
C10	Commercial Building; (low rise); Shopping	7
C12	Communications Systems; TV; Microwave	7
D04	Design-Build - Preparation of Requests for	8
E09	Environmental Impact Studies, Assessments	9
F05	Forensic Engineering	7
H07	Highways; Streets; Airfield Paving; Parking	9
H11	Housing (Residential, Multifamily,	9
I04	Intelligent Transportation Systems	7
L03	Landscape Architecture	8
O01	Office Building; Industrial Parks	9
P05	Planning (Community; Regional; Areawide &	7
P12	Power Generation, Transmission,	8
R04	Recreational Facilities	7
R13	Roadway Design	7
S04	Sewage Collection, Treatment & Disposal	9
S13	Stormwater Handling & Facilities	9
T03	Traffic & Transportation Engineering	8
W02	Water Resources; Hydrology; Ground Water	8
W03	Water Supply; Treatment and Distribution	9
A05	Airports; Navaids; Airport Lighting; Aircraft	8
A06	Airports; Terminals; & Hangars; Freight	7
B02	Bridge Design	9

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

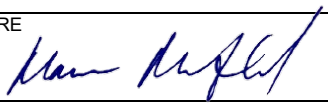
a. Federal Work	3
b. Non-Federal Work	9
c. Total Work	9

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	c. DATE
	08/27/2019

c. NAME AND TITLE

Marwan Mufleh, P.E., Senior Vice President

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA-19-023

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	7. DUNS NUMBER
Kimley-Horn and Associates, Inc.			1987	061099131
2b. STREET			5. OWNERSHIP	
445 24th Street, Suite 200			a. TYPE: Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS: No	
Vero Beach	FL	32960-5169		
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM *(If block 2a is a branch office)*	
Tori Bacheler			APHC, Inc.	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
772.794.4100	tori.bacheler@kimley-horn.com			
8a. FORMER FIRM NAME(S) *(If any)*			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
02	Administrative	298	8
08	CADD Technicians	123	7
12	Civil Engineers	1543	19
24	Environmental Scientists	32	1
38	Land Surveyors	15	2
48	Project Managers	166	6
65	Technical Support	384	3
58	Technician/Analysts	512	8
60	Transportation Engineers	319	1
	Other Employees	797	0
	Total	4189	55

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
C10	Commercial Building; (low rise); Shopping	7
C11	Community Facilities	6
E09	Environmental Impact Studies, Assessments	8
E11	Environmental Planning	8
F05	Forensic Engineering	6
H07	Highways; Streets; Airfield Paving; Parking	8
H09	Hospitals & Medical Facilities	6
H10	Hotels; Motels	6
H11	Housing (Residential, Multifamily,	7
L03	Landscape Architecture	7
O01	Office Building; Industrial Parks	8
P05	Planning (Community; Regional; Areawide &	8
R04	Recreational Facilities (Parks; Marinas; etc.)	8
R13	Roadway Design	8
S13	Stormwater Handling & Facilities	7
S10	Surveying; Platting; Mapping; Flood Plain	7
T03	Traffic & Transportation Engineering	6
U02	Urban Renewals; Community Development	7
W02	Water Resources; Hydrology; Ground Water	6
W03	Water Supply; Treatment and Distribution	6
B02	Bridge Design	8
A06	Airports; Terminals; & Hangars; Freight	7

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	e. DATE
	08/27/2019

c. NAME AND TITLE

Brian Good, P.E., Principal

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA-19-023

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	8. DUNS NUMBER
Kimley-Horn and Associates, Inc.			2006	061099131
2b. STREET			5. OWNERSHIP	
214 Oceanside Drive			a. TYPE: Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS: No	
Nashville	TN	37204		
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM *(If block 2a is a branch office)*	
Bryan Larsen, P.E.			APHC, Inc.	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
615.564.2701	bryan.larsen@kimley-horn.com			
8a. FORMER FIRM NAME(S) *(If any)*			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
08	CADD Technicians	123	2
12	Civil Engineers	1543	26
63	Design Technicians	95	2
21	Electrical Engineers	22	1
67	Environmental Planners	18	1
66	Graphic Designers	55	1
39	Landscape Architects	128	4
42	Mechanical Engineers	16	1
65	Technical Support	384	2
64	Technical Writers	135	2
58	Technician/Analysts	512	8
60	Transportation Engineers	319	9
	Other Employees	839	0
	Total	4189	59

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
A06	Airports; Terminals; & Hangars; Freight	8
C10	Commercial Building; (low rise); Shopping	6
C12	Communications Systems; TV; Microwave	5
E02	Educational Facilities; Classrooms	6
E09	Environmental Impact Studies, Assessments	8
E11	Environmental Planning	8
H07	Highways; Streets; Airfield Paving; Parking	8
H09	Hospitals & Medical Facilities	7
H10	Hotels; Motels	6
H11	Housing (Residential, Multifamily,	7
I04	Intelligent Transportation Systems	8
L03	Landscape Architecture	7
O01	Office Building; Industrial Parks	7
P05	Planning (Community; Regional; Areawide &	8
P06	Planning (Site, Installation and Project)	8
P12	Power Generation, Transmission,	7
R03	Railroad and Rapid Transit	6
R04	Recreational Facilities (Parks; Marinas; etc.)	6
S01	Safety Engineering; Accident Studies; OSHA	7
S04	Sewage Collection, Treatment & Disposal	6
T03	Traffic & Transportation Engineering	7
U02	Urban Renewals; Community Development	7

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 

f. DATE: 08/27/2019

c. NAME AND TITLE

Russell Barnes, P.E., Principal

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA-19-023

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME: Kimley-Horn and Associates, Inc.		3. YEAR ESTABLISHED: 2005	9. DUNS NUMBER: 061099131
2b. STREET: 4525 Main St., Suite 1000		5. OWNERSHIP	
2c. CITY: Virginia Beach	2d. STATE: VA / 2e. ZIP CODE: 23462	a. TYPE: Corporation	
		b. SMALL BUSINESS STATUS: No	
6a. POINT OF CONTACT NAME AND TITLE: Jon Chambers, P.E.		7. NAME OF FIRM *(If block 2a is a branch office)*: APHC, Inc.	
6b. TELEPHONE NUMBER: 757.213.8600	6c. E-MAIL ADDRESS: jon.chambers@kimley-horn.com		
8a. FORMER FIRM NAME(S) *(If any)*		8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
08	CADD Technicians	124	2
12	Civil Engineers	1544	22
13	Communications Engineers	33	2
63	Design Technicians	95	3
21	Electrical Engineers	22	5
23	Environmental Engineers	14	1
24	Environmental Scientists	32	9
29	Geographic Information System	4	2
30	Geologists	5	1
39	Landscape Architects	129	1
42	Mechanical Engineers	16	1
48	Project Managers	166	6
65	Technical Support	333	3
58	Technician/Analysts	487	5
60	Transportation Engineers	319	14
62	Water Resources Engineers	59	14
64	Technical Writers	135	0
02	Administrative	296	5
	Other Employees	301	0
	Total	4114	96

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
S04	Sewage Collection, Treatment & Disposal	7
P12	Power Generation, Transmission,	7
C08	Codes; Standards; Ordinances	8
R04	Recreational Facilities (Parks; Marinas; etc.)	8
S13	Stormwater Handling & Facilities	6
U02	Urban Renewals; Community Development	8
W02	Water Resources; Hydrology; Ground Water	7
S01	Safety Engineering; Accident Studies; OSHA	8
C10	Commercial Building; (low rise); Shopping	6
C12	Communications Systems; TV; Microwave	6
C15	Construction Management	6
E02	Educational Facilities; Classrooms	7
E09	Environmental Impact Studies, Assessments	8
E11	Environmental Planning	8
H07	Highways; Streets; Airfield Paving; Parking	8
H11	Housing (Residential, Multifamily,	7
I04	Intelligent Transportation Systems	8
O01	Office Building; Industrial Parks	7
R03	Railroad and Rapid Transit	8
T03	Traffic & Transportation Engineering	8
W03	Water Supply; Treatment and Distribution	7

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

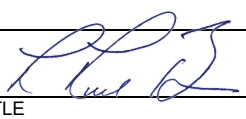
a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 

g. DATE: 08/27/2019

c. NAME AND TITLE: Russell Barnes, P.E., Principal

AUTHORIZED FOR LOCAL REPRODUCTION
MANDATORY USE DATE OF FORM 5/1/2004

STANDARD FORM 330 (1/2004) **PAGE 6**

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: **DCRA 19-023**

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME **TSF (TIERRA SOUTH FLORIDA, INC.)**			3. YEAR ESTABLISHED 2003 / 4. UNIQUE ENTITY IDENTIFIER 829296222
2b. STREET 2765 Vista Parkway, Suite 10			5. OWNERSHIP a. TYPE Corporation
2c. CITY West Palm Beach	2d. STATE FL	2e. ZIP CODE 33411	b. SMALL BUSINESS STATUS DBE - FDOT UCP MBE - Florida Statewide OSD & City of Orlando SBE – Palm Beach County, City of West Palm Beach, SFWMD, School District of PBC. SSBE - CFX
6a. POINT OF CONTACT NAME AND TITLE **Raj Krishnasamy, P.E., President/Principal Engineer**			7. NAME OF FIRM *(If block 2a is a branch office)* N/A
6b. TELEPHONE NUMBER (561) 687-8536	6c. E-MAIL ADDRESS **Raj@TSFGeo.com**		

8a. FORMER FIRM NAME(S) *(If any)*	8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
N/A	N/A	N/A

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
2	Administrative	6	6
8	CADD Technician	2	2
27	Foundation/Geotechnical Eng	7	7
58	Technician/Analyst	27	27
15	Construction Inspector	5	5
16	Construction Manager	2	2
Total		49	49

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
S05	Soils and Geologic Studies; Foundations	6
T02	Testing and Inspection Services	6

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

a. Federal Work	6
b. Non-Federal Work	6
c. Total Work	7

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000.
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	August 21, 2019
c. NAME AND TITLE **Raj Krishnasamy, P.E., President/Principal Engineer**	

	1. SOLICITATION NUMBER *(if any)*

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEARS ESTABLISHED	4. DUNS NUMBER
KEITH			1998	618480219
2b. STREET			5. OWNERSHIP	
301 East Atlantic Boulevard			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP CODE	Corporation	
Pompano Beach	FL	33060	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			N/A	
A. Dodie Keith-Lazowick, PLS, President			7. NAME OF FIRM *(if block 2a is a branch office)*	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS		N/A	
954-788-3400	marketing@keithteam.com			
8a. FORMER FIRM NAME(S) *(if any)*			8b. YR. ESTABLISHED	8c. DUNS NUMBER
Keith and Associates, Inc.			N/A	N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) Firm	c. No. of Employees (2) Branch	a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	17	1	A06	Airports; Terminals and Hangars	6
12	Civil Engineering, PE	9	5	B02	Bridges	2
60	Transportation Engineering, PE	3	2	C07	Coastal Engineering	2
15	Construction Inspector	3		C10	Commercial Building (Low Rise)	6
16	Construction Manager	21		C11	Community Facilities	5
29	G.I.S. Specialist	1		C15	Construction Management	6
38	Land Surveyor, PSM	6		C16	Construction Surveying	4
39	Landscape Architect, RLA	3	3	E02	Educational Facilities	4
47	Planner: Urban/Regional	8	8	F02	Field Houses; Gyms; Stadiums	3
48	Project Manager	4	2	G04	G.I.S. Services; Development, Analysis	2
53	Scheduler	2		H07	Highways, Street, Airfield Paving	4
	Landscape Designer	6	5	H09	Hospitals & Medical Facilities	3
	Project Engineer	27	6	I06	Irrigation; Drainage	4
	Project Surveyor	6		L03	Landscape Architecture	5
	Survey Field Crew	15		P05	Planning (Community, Regional…)	4
	Subsurface Utility Engineer	5	1	R03	Railroad; Rapid Transit	3
	Subsurface Utility Field Crew	8		R04	Recreation Facilities (Parks, Marinas, etc.)	5
	Utility Coordinator	8	2	S10	Surveying; Platting; Mapping; Flood Study	4
	VDC/BIM/CIM	1		S13	Storm Water Handling & Facilities	3
				T04	Topographic Surveying & Mapping	4
				W03	Water Supply; Treatment & Distribution	2
	TOTAL	151	32	Z01	Zoning; Land Use Studies	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS *(Insert revenue index number shown at right)*	
a. Federal Work	N/A
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE

August 22, 2019

c. NAME AND TITLE

Alex Lazowick, Executive Vice President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: DCRA 19 -023

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME: Caulfield & Wheeler, Inc	3. YEAR ESTABLISHED: 1982
	4. DUNS NUMBER: 063429310
2b. STREET: 7900 Glades Rd, Suite 100	5. OWNERSHIP
2c. CITY: Boca Raton; 2d. STATE: FL; 2e. ZIP: 33434	a. TYPE: S Corporation
6a. POINT OF CONTACT NAME AND TITLE: David P. Lindley, P.L.S. — Senior Vice President	b. SMALL BUSINESS STATUS: Not Applicable
6b. TELEPHONE NUMBER: 561-392-1991; 6c. E-MAIL ADDRESS: dave@cwiassoc.com	7. NAME OF FIRM *(If block 2a is a branch office)*: Caulfield & Wheeler, Inc

8a. FORMER FIRM NAME(S) *(If any)*	8b. YR. ESTABLISHED	8c. DUNS NUMBER
Not Applicable	Not Applicable	Not Applicable

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	5	1
08	CADD Technician	15	2
38	Land Surveyor	7	1
38a	Field Land Surveyors	53	9
12	Civil Engineer	7	2
49	Remote Sensing Specialist	4	2
15	Construction Inspector	3	4
28	Geodetic Surveyor	3	1
60	Transportation Engineer	2	3
47	Planner: Urban/Regional	2	3
48	Project Manager	4	2
	Total	105	30

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
C16	Construction Surveying	4
G03	Geodetic Surveying: Ground and Airborne	2
H13	Hydrographic Surveying	1
L02	Land Surveying	4
S10	Surveying; Planning; Mapping; Flood Plain Studies	4
T04	Topographic Surveying and Mapping	4
G04	Geographic Information System Services: Development, Analysis, and Data Collection	2
P05	Planning (Community, Regional, Areawide and State)	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE: August 19th, 2019

c. NAME AND TITLE: David P. Lindley, P.L.S. / Senior Vice President

STANDARD FORM 330 (REV. 3/2013) **PAGE 20**

3. Profile of Consultant

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

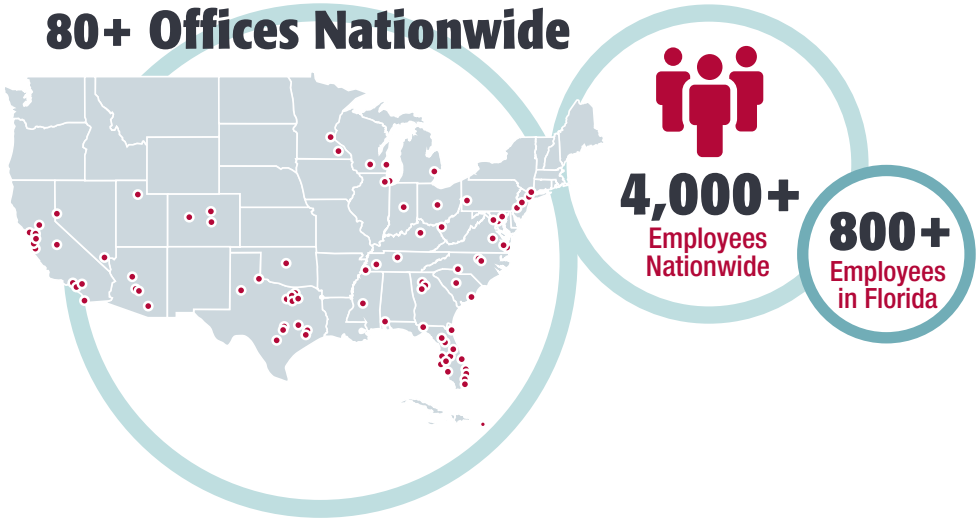
Kimley-Horn provides professional consulting services across the United States but has maintained a continuous presence in Broward County since first opening an office in Fort Lauderdale in 1983. As the lead consultant, Kimley-Horn will have total contractual responsibility with the City of Hollywood.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

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

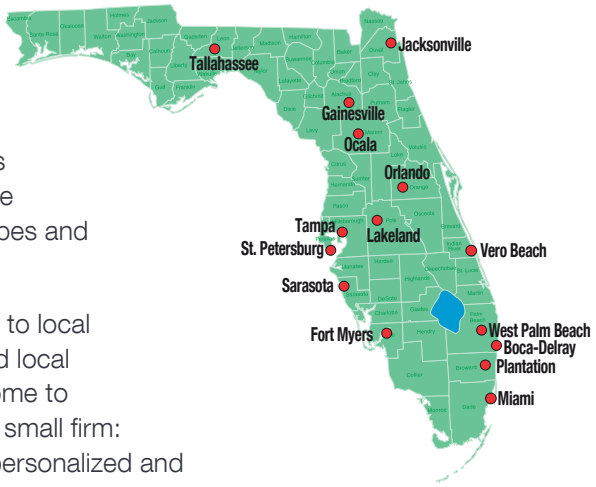
With more than 4,200 professional and support staff in 80+ offices across the U.S., Kimley-Horn is a full-service engineering firm that provides a wide variety of services—including Complete Streets planning and design, pedestrian and municipal roadway lighting, landscape architecture, and streetscape design with an emphasis on Crime Prevention Through Environmental Design (CPTED). Kimley-Horn is regarded as an industry leader by *Engineering News-Record (ENR),* where we **rank #21 on their list of the country's Top 500 Design Firms.** We are also **ranked #18** on *FORTUNE's* **"Best 100 Companies to Work For,"** and have been on that list for 12 years.

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

We will be serving you from our Plantation office with additional support being provided from staff in our West Palm Beach, Plantation, and Vero Beach. We know that a strong commitment to client satisfaction must be the foundation of our service to you. Because our office is very close to you and we have a large, highly qualified staff, we can respond quickly to your questions and concerns. We will be available to you on short notice to help you with whatever lighting design challenge you may encounter.



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



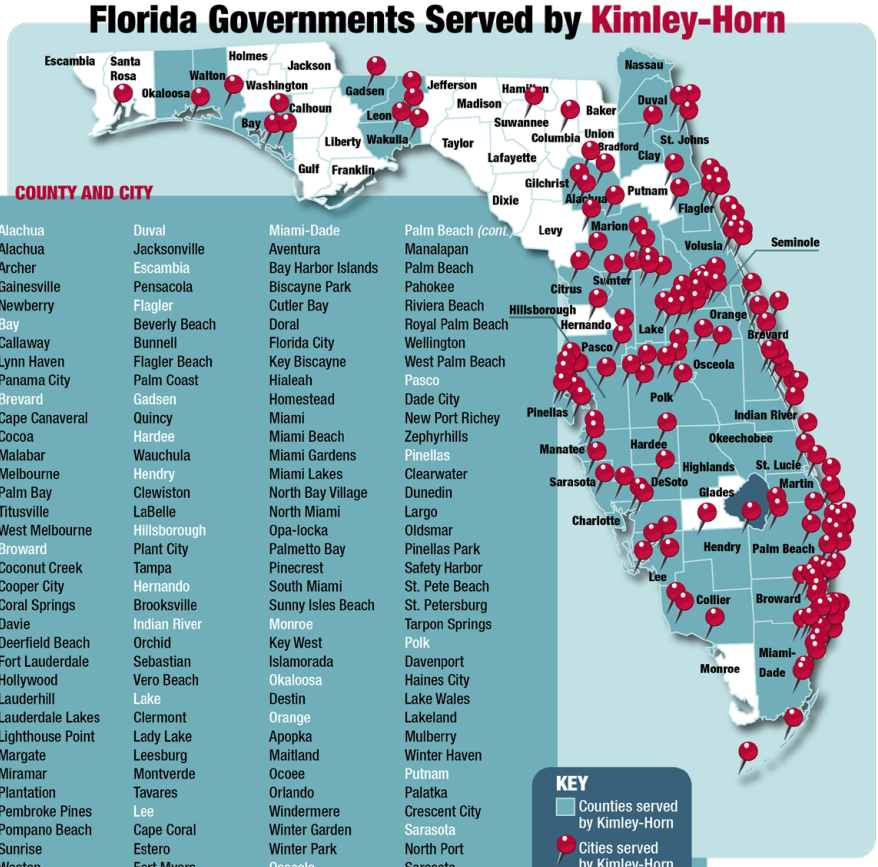
Kimley-Horn was founded as a 3-person boutique traffic engineering firm in 1967 and is now one of the most respected and fastest growing engineering firms in the United States. In Florida, ***more than 250 of Kimley-Horn's staff are professionally registered design engineers.*** Transportation engineering and roadway design has been Kimley-Horn's traditional area of strength since the firm's founding in 1967. Through the years, our staff has completed hundreds of roadway designs, streetscapes and Complete Streets designs for municipalities across Florida and the U.S.

The firm has a long history of being a successful engineering consultant to local government clients. We have served more than 100 cities, counties, and local government clients in Florida. Throughout the firm's growth, we have come to appreciate the value and importance of remaining true to our roots as a small firm: focusing our attention on our local clients and providing them with the personalized and responsive service they expect.

Additionally, many of our employees are former municipal engineers and planners; they have been on your side of the table and are familiar with local government procedures. Kimley-Horn prides ourselves on our ability to tailor comprehensive engineering services to our clients' needs. Kimley-Horn offers a wide range of consulting services, including:

- Complete Streets planning and design
- Streetscape design
- Landscape architecture and urban design
- Roadway design and utilities infrastructure
- Lighting design for public parks/sports facilities
- Environmental permitting, assessment, remediation, and approvals
- Sidewalk, roadway, and pedestrian path lighting design
- Right-of-way beautification
- Public involvement programs
- Funding strategies
- Construction observation and bidding assistance

Florida Governments Served by Kimley-Horn



COUNTY AND CITY

Alachua
Alachua
Archer
Gainesville
Newberry
Bay
Callaway
Lynn Haven
Panama City
Brevard
Cape Canaveral
Cocoa
Malabar
Melbourne
Palm Bay
Titusville
West Melbourne
Broward
Coconut Creek
Cooper City
Coral Springs
Davie
Deerfield Beach
Fort Lauderdale
Hollywood
Lauderhill
Lauderdale Lakes
Lighthouse Point
Margate
Miramar
Plantation
Pembroke Pines
Pompano Beach
Sunrise
Weston
Charlotte
Port Charlotte
Punta Gorda
Citrus
Crystal River
Inverness
Clay
Fleming Island
Collier
Everglades City
Marco Island
Naples
Columbia
Lake City
DeSoto
Arcadia

Duval
Jacksonville
Escambia
Pensacola
Flagler
Beverly Beach
Bunnell
Flagler Beach
Palm Coast
Gadsen
Quincy
Hardee
Wauchula
Hendry
Clewiston
LaBelle
Hillsborough
Plant City
Tampa
Hernando
Brooksville
Indian River
Orchid
Sebastian
Vero Beach
Lake
Clermont
Lady Lake
Leesburg
Montverde
Tavares
Lee
Cape Coral
Estero
Fort Myers
Sanibel
Leon
Tallahassee
Woodville
Levy
Williston
Manatee
Bradenton
Palmetto
Marion
Belleview
Dunnellon
McIntosh
Ocala
Martin
Jupiter Island
Stuart

Miami-Dade
Aventura
Bay Harbor Islands
Biscayne Park
Cutler Bay
Doral
Florida City
Key Biscayne
Hialeah
Homestead
Miami
Miami Beach
Miami Gardens
Miami Lakes
North Bay Village
North Miami
Opa-locka
Palmetto Bay
Pinecrest
South Miami
Sunny Isles Beach
Monroe
Key West
Islamorada
Okaloosa
Destin
Orange
Apopka
Maitland
Ocoee
Orlando
Windermere
Winter Garden
Winter Park
Osceola
Kissimmee
St. Cloud
Palm Beach
Belle Glade
Boca Raton
Boynton Beach
Briny Breezes
Delray Beach
Greenacres
Haverhill
Hypoluxo
Jupiter
Juno Beach
Lake Park
Lake Worth
Lantana

Palm Beach *(cont.)*
Manalapan
Palm Beach
Pahokee
Riviera Beach
Royal Palm Beach
Wellington
West Palm Beach
Pasco
Dade City
New Port Richey
Zephyrhills
Pinellas
Clearwater
Dunedin
Largo
Oldsmar
Pinellas Park
Safety Harbor
St. Pete Beach
St. Petersburg
Tarpon Springs
Polk
Davenport
Haines City
Lake Wales
Lakeland
Mulberry
Winter Haven
Putnam
Palatka
Crescent City
Sarasota
North Port
Sarasota
Venice
Seminole
Altamonte Springs
Casselberry
Longwood
Oviedo
Sanford
Wekiwa Springs
St. Johns
Ponte Vedra
Nocatee
St. Lucie
Fort Pierce
Port St. Lucie
Sumter
Wildwood

Suwannee
Live Oak
Volusia
Edgewater
Daytona Beach
Shores
New Smyrna Beach
Ormond Beach
Port Orange
South Daytona
Wakulla
Crawfordville
St. Marks
Walton
Freeport

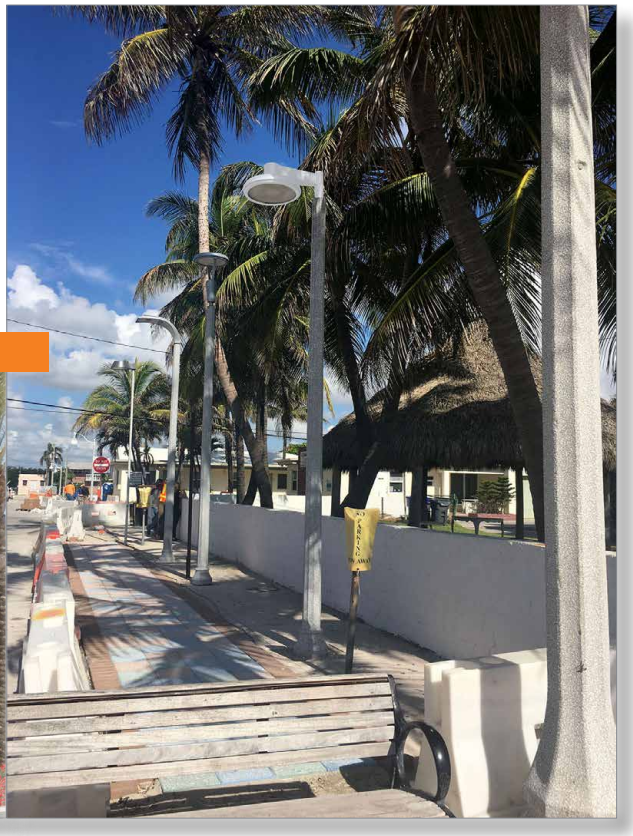
KEY
Counties served by Kimley-Horn
Cities served by Kimley-Horn

D. Provide a list and description of similar municipal and other engagements satisfactorily performed within the past (4) years. For each engagement listed, include the name and telephone number of a representative from whom the engagement was undertaken who can verify satisfactory performance.

Kimley-Horn understands that shifting demographics, cultural changes, evolving workplace/shopping trends, and a growing preference toward walkability transit are motivating urban communities to redefine and remake themselves. While there is no "one-size-fits-all" solution, communities nationwide are returning to the basics of urbanism. We understand that the City is looking for a consultant to provide pedestrian lighting improvements within the CRA District. Our experience in the City of Hollywood and nationwide gives the Kimley-Horn team a distinct understanding of the relationship between design, construction, and future maintenance of pedestrian lighting in the Florida environment. ***The following descriptions highlight some of our team's similar experience over the past 4 years. Additional, detailed information on other similar experience can be found in Part I, Section F of the SF 330 form included in Tab 2.***

SR A1A Complete Streets Design, City of Hollywood

Kimley-Horn assisted the City of Hollywood 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. Decorative street lighting was designed to provide a uniform look and feel throughout the corridor, enhance pedestrian safety, and maximize usable pedestrian space. Kimley-Horn evaluated decorative lighting alternatives and presented the City with multiple options for considerations. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for City and public input. This provided an opportunity to observe scale, light output, color temperature, and aesthetics. Design considerations included coordination with FPL undergrounding, avoiding utility conflicts with proposed landscaping, and limiting impacts to existing decorative pavers. We coordinated with ongoing FDOT and City projects and Florida Fish and Wildlife Conservation (FWC). Other design elements included a reduction of speed to improve safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signing. ***Dates:*** Ongoing; ***Reference:*** Susan Goldberg, sgoldberg@hollywoodfl.org, 954.924.2980



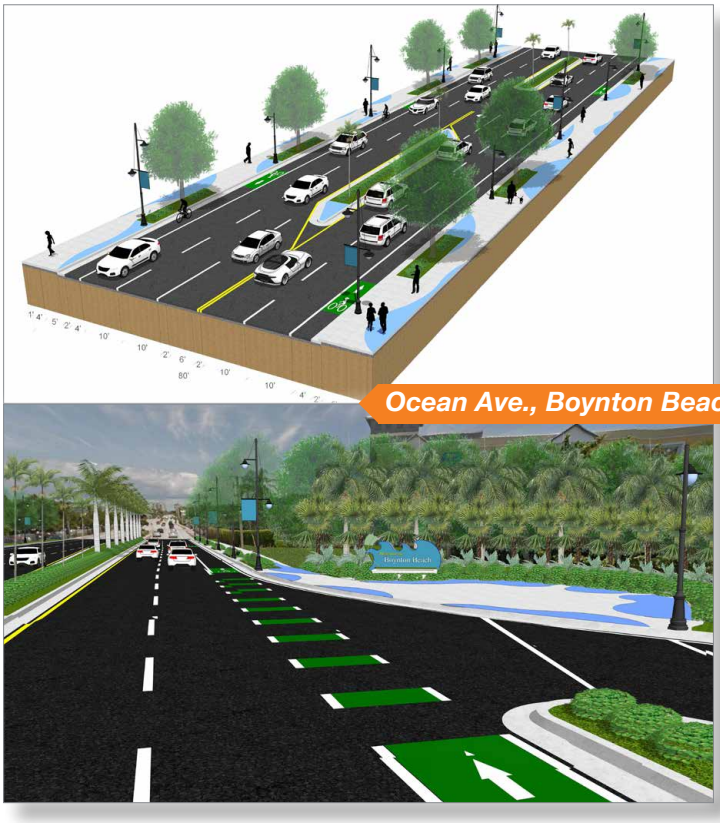
SR A1A, Hollywood

SR A1A Streetscape Improvements, Fort Lauderdale CRA

SR A1A, Fort Lauderdale

Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A along Fort Lauderdale Beach. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, installing a 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 moved closer to the back of curb maximizing the usable pedestrian zone and providing a clear walking path. Our team designed spread footer foundations to avoid utility conflicts and costly relocations. Proposed lighting on the project includes smart control through a 7-pin receptacle. This feature will allow the light fixture to be switched from white LED light to amber LED during sea turtle nesting season. Extensive coordination with FDOT and Florida Fish and Wildlife Conservation (FWC) was included during the project. ***Dates:*** Ongoing; ***Reference:*** Chijioke Ezekwe, 954.828.4522

Ocean Avenue Lighting Improvements, Boynton Beach CRA



Ocean Ave., Boynton Beach

Kimley-Horn provided lighting improvements for Ocean Avenue from Seacrest Boulevard to Federal Highway. The CRA staff had desired improved lighting with higher light levels, better distribution, and a more creative approach to illuminating the tree trunks and foliage throughout the corridor. Our scope of services involved installation of decorative lighting fixtures, structural engineering for new light poles and lighting features, and coordination for bidding of the project. Design considerations included reviewing structural integrity of existing poles, maximizing the use of existing lighting circuits to reduce cost, addressing maintenance concerns with existing light fixture coatings, and installation of new lighting load centers. We also provided conceptual design and base map; preparation of construction plans and agency submittals; and meetings, bid phase services, and project management. ***Dates:*** Completed 2017; ***Reference:*** Michael Simon, simonM@bbfl.us, 561.737.3256

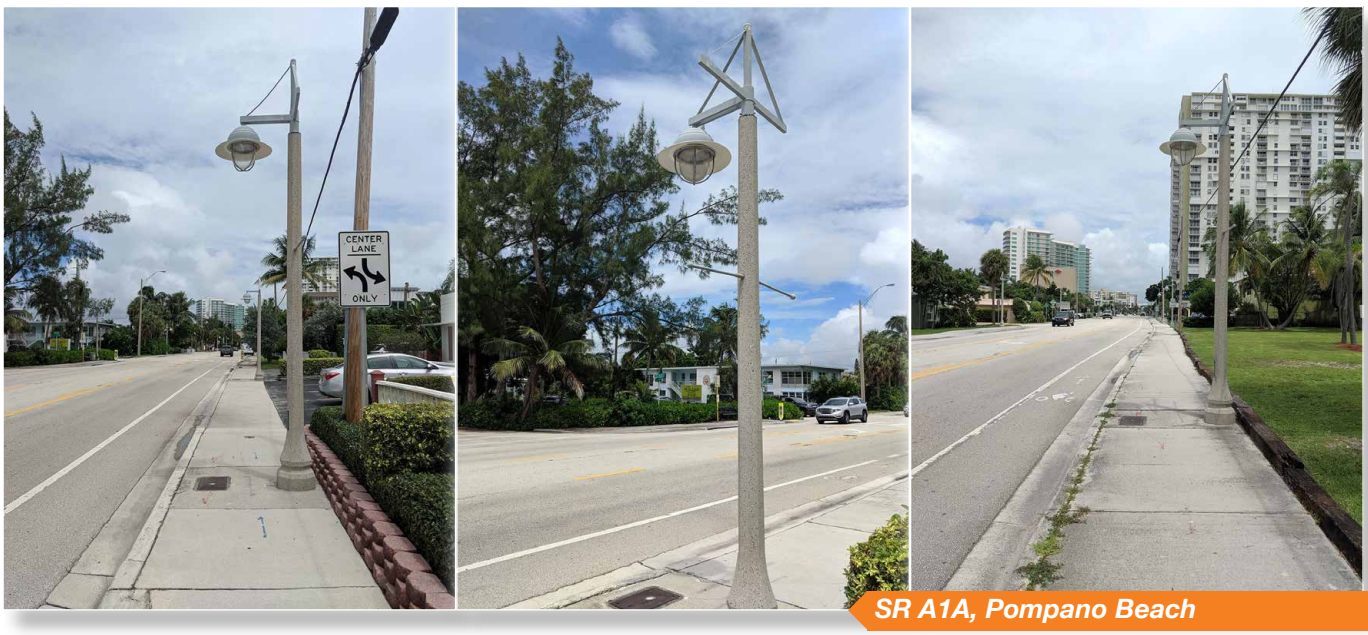
Rosemary Avenue Street Lighting Improvements, City of West Palm Beach

Kimley-Horn is providing the City general engineering and consulting services. Our team is designing decorative lighting supporting the City's efforts to enhance pedestrian safety, create a uniform look within the downtown area, and support future improvements along the corridor. Kimley-Horn coordinated with the City and the CRA to select decorative light fixtures. Design considerations included maintaining pedestrian traffic during construction, considering approved site plans for proposed light locations, and developing spread footer foundations to avoid utility conflicts. Existing lighting conduit runs were used to the extent practical limiting the construction impact to existing facilities. The project included addressing sidewalk deficiencies such as trip hazards for ADA compliance. Proposed light fixtures include a 7-pin receptacle to support future smart control functions. ***Dates:*** Ongoing; ***Reference:*** Lorenzo Rivero, livero@wpb.org, 561.494.1076

Rosemary Ave., West Palm Beach

SR A1A Streetscape Improvements, Pompano CRA

The SR A1A project includes streetscape improvements from Terra Mar Drive north to Hillsboro Inlet which is approximately 3.3 miles within the City of Pompano Beach. This project is part of the City of Pompano Beach's GO Bond program. Project elements include adding new medians to enhance pedestrian safety at midblock crossings, installation of decorative lighting along the corridor to create a consistent look and feel, undergrounding of existing overhead utilities. Our team created a "menu of decorative lighting options" for the CRA's review and approval. Various heights, wattages, and fixtures were evaluated to determine the best fit along the corridor. ***Dates:*** Ongoing; ***Reference:*** Horacio Danovich, 954.786.7834



SR A1A, Pompano Beach

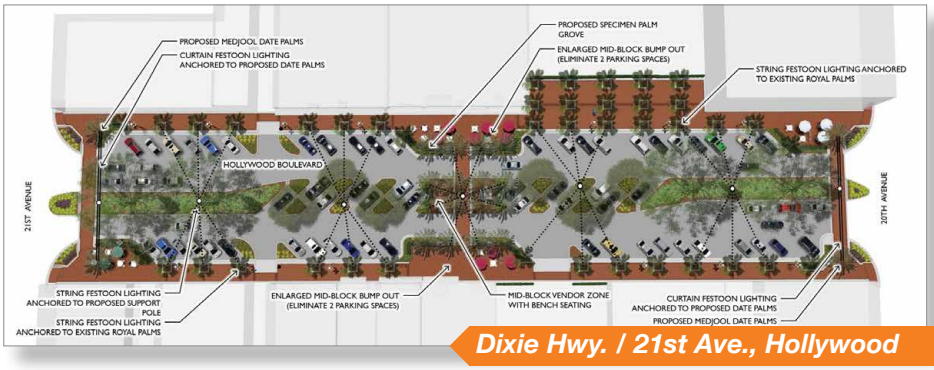
Boynton Beach Boulevard Streetscape Improvements, Boynton Beach CRA

Kimley-Horn assisted the Boynton Beach CRA with design of lighting, landscape, and streetscape alternatives to redevelop the east end of this important transportation corridor, improving the safety and visual aesthetics. Primary goals of the project included optimizing the user experience for drivers, transit users, pedestrians, and bicyclists — making the City of Boynton Beach a safer place to live and work. Lighting and landscape elements were proposed close to the curb maximizing pedestrian zones and business access. Multiple decorative light fixtures were evaluated to provide a safe pedestrian lighting level, accent proposed landscape and hardscape elements, and provide a consistent look and feel for the corridor. Our team created renderings of proposed improvements to clearly illustrate how proposed elements would work together and assist in the decision-making process. ***Dates:*** Ongoing; ***Reference:*** Michael Simon, 561.600.9091

Federal Highway/US 1 Road Diet and Complete Streets Improvements, City of Delray Beach

The City desired to create a safer and more pedestrian friendly downtown area, to prompt slower speeds and spur economic development. Kimley-Horn suggested placing US 1 on a road diet, reducing the road's through-lanes from three to two in each direction to transform the corridor into a pedestrian- and bicycle-friendly urban street with on-street parking, wider sidewalks, and streetscape improvements. Because this nearly two-mile stretch of US 1 had existed as six lanes for many years, there was significant concern that reducing the number of lanes would result in increased traffic, adversely impacting residents and local businesses. Kimley-Horn performed research including traffic studies and computer modeling and found that the improvements would bolster driver and pedestrian safety and accessibility. The City and CRA then asked Kimley-Horn to develop an approach that would effectively narrow the travelways to two lanes, allowing follow-up studies to verify the findings of the earlier studies. This temporary design fix mimicked the operation of the ultimate design. The temporary measures were easily reversible if the City and CRA determined they didn't want to proceed with permanent implementation. These temporary improvements helped the team study the real-world effects of fewer and narrower lanes and new signal timing plans on peak- and off-season traffic, driver operating speeds, and accident rates. The changes were in place for a year to allow sufficient time to gather seasonal and off-peak data. The results were even better than expected, as traffic levels did not increase, and average driver operating speeds and accident rates decreased. We then moved forward with final design for the permanent improvements. The US 1 (Federal Highway) Road Diet was successful in bringing together stakeholders including the City, CRA, residents, business owners, FDOT, and Palm Beach County from the planning phase to final design and construction. ***Dates:*** July 2016; ***Reference:*** Jeff Costello, AICP, Executive Director, Delray Beach CRA, costelloj@mydelraybeach.com, 561.276.8640

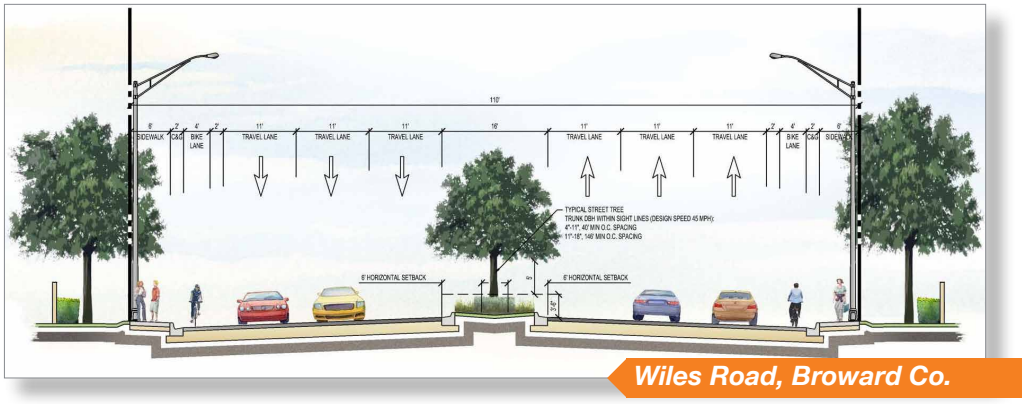
Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, Hollywood CRA



Dixie Hwy. / 21st Ave., 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. ***Dates:*** December 2016; ***Reference:*** Susan Goldberg, Deputy Director, Hollywood CRA, sgoldberg@hollywoodfl.org, 954.924.2980

Wiles Road Complete Streets Design from Rock Island Road to US 441 (SR 7), Broward County



Wiles Road, Broward Co.

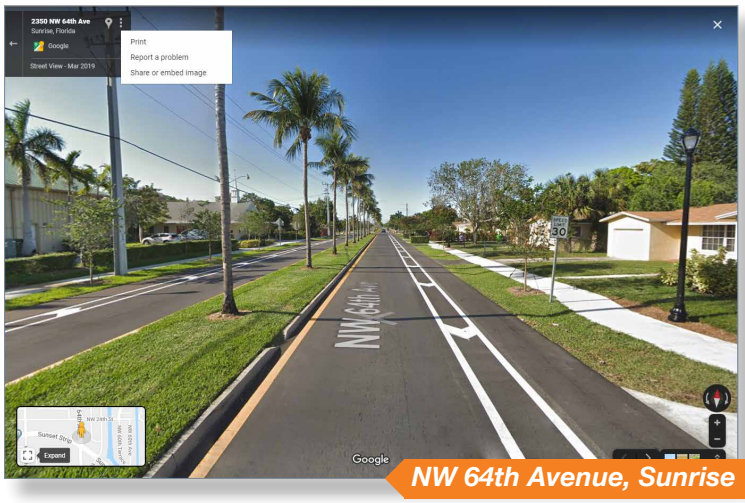
Kimley-Horn was selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road to a 6-lane divided urban arterial from Rock Island Road to US 441 (SR 7). The firm incorporated the Broward Complete Streets guidelines (also prepared 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. ***Dates:*** Ongoing; ***Reference:*** Michael Hammond, Broward Co. Project Manager, mhammond@broward.org, 954.577.4558

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

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.



NW 64th Avenue, Sunrise

Components of the project will include:

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

The project will be funded under FDOT's LAP program, so Kimley-Horn will provide LAP coordination assistance. The City anticipates a $2.5 million construction budget. ***Dates:*** Ongoing; ***Reference:*** Meghan Kaufold, R.A, Project Manager, mkaufold@sunrisefl.gov, 954.888.6070

E. Provide information on any litigation (settled or pending) the firm has been involved in within the last five (5) years.

Kimley-Horn and its subsidiaries have provided services in all fifty states and numerous countries. Because of the many and varied projects, we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. It is not practical to provide a complete list as part of this proposal. ***None of the pending matters, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit.*** If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058. Litigation cases filed in Florida in the last five years are as follows:

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

Mark E. Callahan and Marisa Callahan v. Gator Delray, LC, et al: 15th Judicial Circuit Court, Palm Beach County; Case No. 2015CA00230; filed 2015; personal injury claim; Kimley-Horn dismissed; closed 2016.

Chalks Airline, Inc. v. Linden Airport Services Corp, et al: United States District Court for the Southern District of Florida; Case No. 15-CV-24322-UNGARO/OTAZO-REYES; filed 2015; alleged economic loss; case dismissed; closed 2016.

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

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

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

Solange Keogh v. The Home Depot USA Inc et al: United States District Court for the Southern District of Florida; Case No. 13-CV-61492; filed 2014; personal injury claim; Kimley-Horn dismissed; closed 2014.

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

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

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

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

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

Joan Weinstein v. Simon Property Group LP and The Town Center at Boca Raton Trust: 15th Judicial Circuit, Palm Beach County; Case No. 502016CA003199XXXXMB AG; filed 2016; personal injury claim; settled; closed 2017.

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

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

Matthew Fursetzer, P.E. – Project Manager, Lighting Design, Feasibility Studies, Bidding Assistance, Public involvement Construction Phase Services

Matthew Fursetzer, P.E. will serve as your project manager and Kimley-Horn point of contact for this project. Matt has 19 years of lighting design and project management experience for municipalities across South Florida. His experience includes PD&E studies, pedestrian lighting, plans preparation, bidding assistance, utility coordination, maintenance of traffic, pavement design, signing and pavement marking, permitting, design-build procurement and construction phase services. He serves as Kimley-Horn's project manager on the FDOT District Four Lighting Design Retrofit Project (Commercial Boulevard). He has also led the firm's Atlantic Boulevard Bridge Decorative Sails and Lighting Design in the City of Pompano and the Boca Raton Downtown Light Pole standards.

Marwan Mufleh, P.E. – Principal-in-Charge, Bidding Assistance

Marwan has 30+ years of highway design experience in South Florida. His principal areas of practice include project management, roadway design, streetscape, drainage design, pavement marking, maintenance of traffic, bidding assistance, and construction administration. Marwan has worked extensively on municipal roadway and Complete Streets projects throughout South Florida including the SR A1A reconfiguration, utility undergrounding and Complete Streets

Design for the City of Hollywood; Las Olas Blvd. Traffic Calming for the City of Fort Lauderdale; improvements to SR A1A/Fort Lauderdale Strip for FDOT District Four; Federal Highway/US 1 Complete Streets Design and Road Diet in Delray Beach; and two Wiles Road Improvement projects between and Complete Streets projects for Broward County, Palm Beach County, FDOT District Four.

Jim Sumislaski, P.E. – Quality Assurance/Quality Control

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.

Gin Ng, P.E. – Civil Engineering

Gin has 24 years of experience in design and preparation of construction plans, including roadway geometrics, specifications, signing and pavement marking plans, permitting, and traffic control plans. He has worked extensively on FDOT District Four and Florida's Turnpike projects since 2000. Gin has served as lead design engineer and assistant project manager on a variety of roadway projects. He is proficient in MicroStation, GeoPak, ASAD, and ICPR softwares.

Jonathan Haigh, PLA, ASLA – Landscape Architecture

Jonathan has 23 years of experience as a practicing professional landscape architect. His experience includes serving the City of Hollywood on SR A1A, Hollywood Boulevard, and the Dixie Highway/21st Avenue Corridor Redesign. Implementing these plans and others, he has directed the preparation of landscape 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.

Tori Bacheler – Permitting

Tori has six years of experience working with state and federal agencies conducting endangered species surveys, delineating wetlands, designing wetland mitigation and restoration areas, and permitting projects throughout Florida. Her software expertise includes ArcGIS (ArcMap), SAS, PRIMER, and FAMS. Tori has Advanced SCUBA Diver certification with 100+ logged dives and certifications in Cavern Diver, Nitrox, and pending certification with the American Academy of Underwater Sciences (AAUS).

Anthony Bevilacqua, P.E. – Structural

Tony is a design engineer in the civil engineering division with 20 years of experience. He has been involved in numerous roadway and bridge projects, having designed or evaluated bridges in each of the eight FDOT districts (D1–D7 and Florida's Turnpike). His experience involves performing calculations, reviewing shop drawings, coordinating plan preparation, writing technical specifications, observing project construction, and conducting structural inspections.

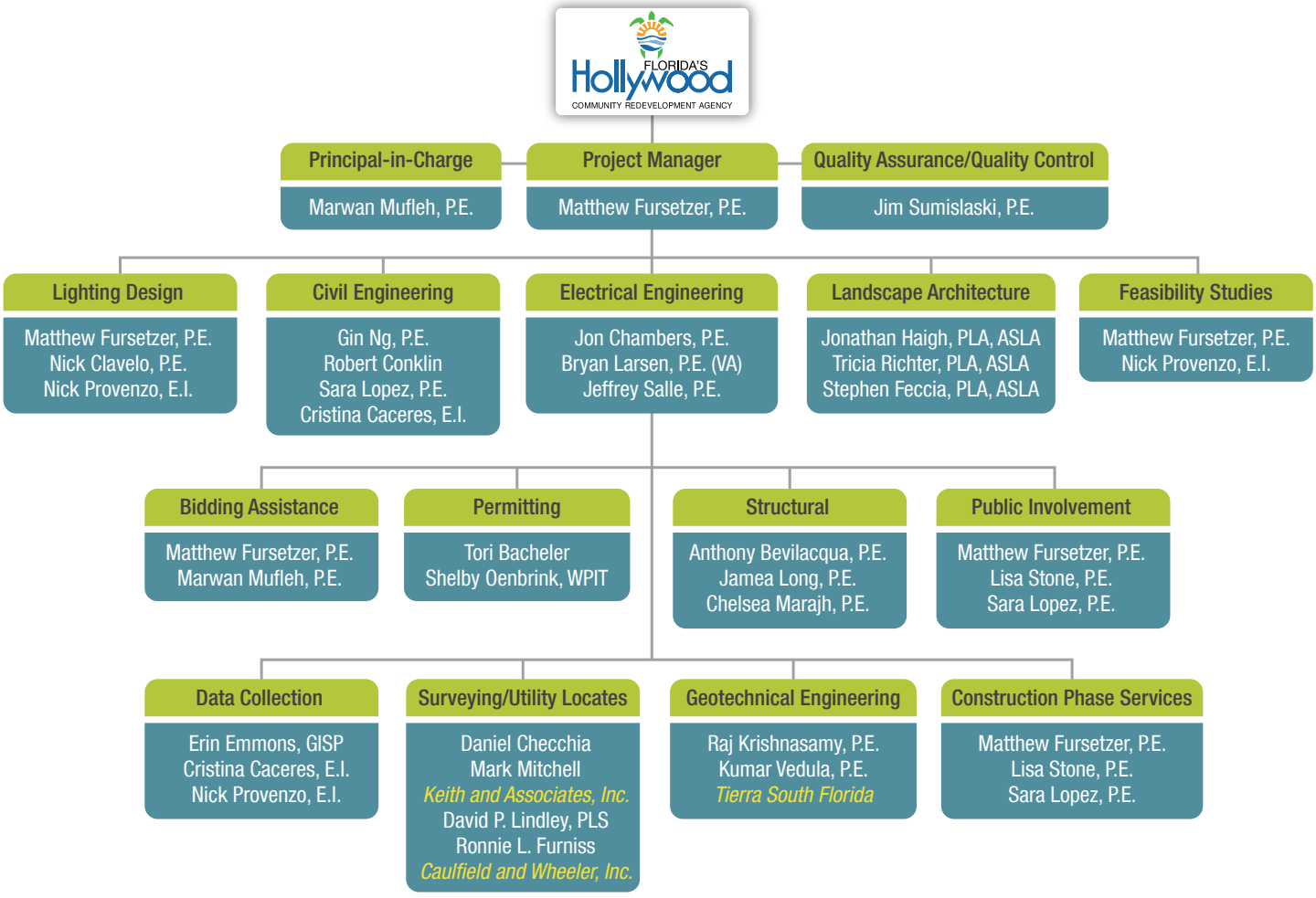
G. Describe the organization of the proposed project team, stressing level of experience and qualification, detailing the level of involvement, field of expertise and estimated hours for each member of the team.

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

Kimley-Horn maintains an effective and accurate accounting of projected staff hours for up to a six-month period through a system we call "Cast-Aheads." ***We know our availability at any given moment, and because we have access to the resources of 16 offices in Florida (and more than 80 offices across the firm), we assure you we have the required staff and tools to meet critical deadlines for any task, at any time.*** The following table illustrates the projected availability of our key staff to serve the City/CRA on this contract at notice to proceed:

Team Member	Project Role	Estimated Availability
Matthew Fursetzer, P.E.	Project Manager, Lighting Design, Feasibility Studies, Bidding Assistance, Public Involvement, Construction Phase Services	70%
Marwan Mufleh, P.E.	Principal-in-Charge, Bidding Assistance	65%
Jim Sumislaski, P.E.	Quality Assurance/Quality Control	60%
Nick Clavelo, P.E.	Lighting Design	80%
Nick Provenzo, E.I.	Lighting Design, Feasibility Studies, Data Collection	75%
Gin Ng, P.E.	Civil Engineering	70%
Robert Conklin	Civil Engineering	70%
Sara Lopez, P.E.	Civil Engineering, Public Involvement, Construction Phase Services	85%
Cristina Caceres, E.I.	Civil Engineering, Data Collection	85%
Jon Chambers, P.E.	Electrical Engineering	70%
Bryan Larsen, P.E.	Electrical Engineering	70%
Jeffrey C. Sallee, P.E.	Electrical Engineering	70%
Jonathan Haigh, PLA, ASLA	Landscape Architecture	65%
Tricia Richter, PLA, ASLA	Landscape Architecture	75%
Stephen Feccia, PLA, ASLA	Landscape Architecture	75%
Tori Bacheler	Permitting	70%
Shelby Oenbrink, WPIT	Permitting	80%
Anthony Bevilacqua, P.E.	Structural	65%
Jamea Long, P.E.	Structural	70%
Chelsea Marajh, P.E.	Structural	75%
Lisa Stone, P.E.	Public Involvement, Construction Phase Services	65%
Erin N. Emmons, GISP	Data Collection and Analysis	75%
Daniel Checchia	**Keith –** Surveying/Utility Locates	60%
Mitchell Mark	**Keith –** Surveying/Utility Locates	60%
David P. Lindley, PLS	**Caulfield & Wheeler, Inc. –** Surveying Utility Locates	65%
Ronnie L. Furniss, PSM	**Caulfield & Wheeler, Inc. –** Land Surveyor	65%
Raj Krishnasamy, P.E.	**Tierra South Florida, Inc. –** Geotechnical Engineering	70%
Kumar Vedula, P.E.	**Tierra South Florida, Inc. –** Geotechnical Engineering	70%

Organizational Chart



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

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

- We will tailor our management to fit with your project manager's style and preferences.
- We will ensure your project manager is always ready to answer any inquiries from City/CRA officials or the public regarding progress and design approach.
- We will take the lead and be proactive in managing the project while informing the City/CRA of critical path items to allow staff to intervene when necessary and eliminate surprises.
- Your project manager will have ready access to progress reports, schedules, meeting minutes and associated action items, and be invited to attend project progress meetings.
- City/CRA staff will approve design decisions and facilitate meetings with City/CRA officials.
- The City/CRA should make staff from their different departments available to discuss project details with us to assess project issues in a timely manner.

- The City/CRA will also facilitate review of our work and recommendations at various phases of the project to provide comments or decisions as necessary.
- City/CRA staff will collaborate on the setup of any trial project mockups to allow for public input and participation before final design.
- City/CRA staff will review our designs and attend any required meetings with the County or FDOT.

I. Describe your approach to performing the work. This should include the following points:
1. Your role and that of other parties involved in the data gathering, data analysis and recommendation process
2. Your plan for this project outlining major tasks and responsibilities, project time schedule and staff assigned

During each phase of the project, we will consider how the replacement lighting will be constructed, used by the public, and ultimately maintained. Our team's experience with similar projects gives us a thorough understanding of the process and will help expedite all phases of this project.

The Kimley-Horn team will attend coordination meetings with representatives from the CRA, City, permitting agencies, and the public (as required) throughout the project's lifespan to clearly communicate design concepts, scheduled milestones, and overall progress. Our team will document design decisions, our coordination with local businesses, and anticipated construction schedules as available for use throughout the project.

At Kimley-Horn, we focus on delivering a successful project by developing accurate bid documents, securing regulatory agency permits, and managing project risk elements. We know that projects must be designed with the community in mind and our ability to focus on providing and maintaining access for City residents during construction is an important consideration.

The following key components will be incorporated into our project management for this pedestrian lighting project.

Data Gathering, Data Collection, and Recommendations

1 – Obtain existing information

Our team's approach to successfully retrofitting existing lighting systems begins with a thorough gathering of existing information to build from. This avoids the collection of unnecessary survey information, helps to accurately set the scope of work, and avoids schedule delays. We will collect existing utility, topographic, right of way, and lighting equipment location information. This information will be used in the design of the proposed lighting system and to develop the project schedule and timeline for deliverables. We will build off the existing files created from our Hollywood Boulevard festoon lighting project to help save time and budget. Sources used in the design process could include existing survey or as-built information provided by the City of Hollywood, Broward County Property Appraiser, Broward County Geographic Information System (GIS) website, and Sunshine One Call. Our team will field verify the location and condition of existing elements through field visits.

Our team will obtain information on the existing five globe light fixtures from as-built plans or directly from the lighting manufacturer. This information will be used for performing lighting photometrics.

We believe that understanding the project's context among other CRA improvements is critical to a successful project. Our team will partner with the CRA early to identify other improvements (public and private) that could influence the constructability or scheduling of this project.

2 – Clearly identify design criteria, constraints, and goals

During the data collection efforts, our team will draft the design criteria memorandum for the project including proposed light levels, color temperature, horizontal and vertical setbacks, electrical requirements, mounting heights, and key contacts for the project. Design constraints and goals for the project will be added based on discussion with CRA staff. This document will serve as a roadmap for the development of project alternatives.

Clearly identifying all permitting and submittal criteria at this stage will help avoid delays during the plans production and execution stages.

3 – Develop alternatives

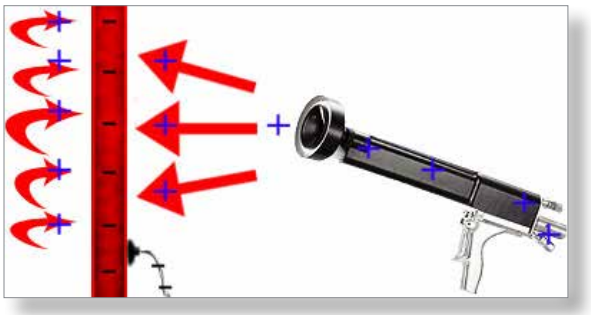
Our team's alternative analysis will focus on providing maximum value for the CRA in upgrading and maintaining the existing lighting system. We will evaluate reusing components from the existing lighting system (conduit runs and light pole foundations) to the extent practical to minimize impacts to existing hardscaping, landscaping, and CCTV camera site lines.

For the upgrade of the existing five globe fixtures, we will meet with CRA staff to identify desired aesthetics and present possible fixtures from different manufactures. We will evaluate light poles like the existing CCTV camera and festoon lighting poles for consistency. Once several fixtures are identified, we will create a photometric model to evaluate the performance of these fixtures in meeting the desired light levels. New LED options perform substantially better at directing light where it is wanted; all in a smaller package. It is likely that a single or double fixture could provide appropriate light levels using existing foundation locations.

Design considerations will include:

- Avoiding light spillover into businesses
- Maintaining existing lighting during construction
- Mounting height to avoid impacts to festoon lighting
- Avoiding blocked light from tree canopy
- Receptacles to provide holiday lighting
- 7-pin receptacle for smart control

Following our photometric review, our team will prepare a summary of alternatives including light levels achieved, mounting heights, wattages, anticipated cost information obtained from lighting vendors, and renderings of the proposed fixtures in actual locations. We have successfully used renderings on similar lighting projects to build consensus among City Commission, elected officials, the public, and business owners. During our current pedestrian lighting work on the Hollywood SR A1A Streetscape project, our team used mockups of actual fixtures to offer the City and Public an opportunity to view and provide input. Mockups were invaluable to selecting the best fixture and will be used on this project to work through the decision-making process.



For the repainting or replacement of existing tear drop lights, we will evaluate the feasibility of repainting through traditional methods or electrostatic painting. Due to the amount of businesses and high level of pedestrian traffic in this area, painting techniques need to consider overspray, dripping, durability, and labor to apply coating. Electrostatic painting is accomplished by applying a small electrical charge to the light pole and opposite charge on the paint. This technique reduces overspray and dripping and provides a more even surface than painting with a brush.

4 – Develop construction plans

Our team will prepare construction documents for review by the CRA, City of Hollywood Building Department, and Broward County as necessary to move toward construction in a timely manner. We anticipate submittals at conceptual, 60%, and final plan stages to reduce project cost and coordination time. On similar projects, we have found that after alternatives are evaluated, 60% plans are adequate for review agencies to provide meaningful comments. A final plan set will be returned for review incorporating previous comments. This submittal schedule is efficient and expedites the design process. Our team will prepare detailed project cost estimates during this phase. This information can be communicated to local government officials to ensure proposed improvements are consistent with current funding levels or to plan for future expenditure. Key items our construction plans will contain include the following components on an as-needed basis:

- Paver restoration details
- City specifications
- Electrical details for lighting load centers
- Painting details
- List of key stakeholders
- Light pole details
- Pedestrian maintenance of traffic
- Landscape and hardscape restoration details
- Any work restrictions to accommodate local events

Permitting

Based on our experience during similar projects, coordination/permitting with Broward County and the South Florida Water Management District (SFWMD) will be required in addition to similar efforts with the City of Hollywood. We understand the permitting processes and have developed long-standing relationships with the various permitting agencies through our current work within the City. The benefits of these relationships include obtaining timely responses to expedite the permitting process and ensuring important requirements are not overlooked. Kimley-Horn will prepare complete permit applications including forms, engineering reports, supporting documentation, and design plans for signature by the City and submittal to the permitting agencies. Comments will be addressed within the final construction plans.

Public Involvement

Understanding the needs of stakeholders is key to any project. Our focus on this contract will be to continuously engage external stakeholders to identify project acceptance criteria and review requirements to avoid delaying project implementation. Key challenges that we have navigated on similar TWO-based contracts are responsiveness of utility/owners, rotating agency staff, conflicting priorities between agencies, and connecting multiple stakeholders for a meeting. Successful techniques we have employed include identifying and engaging decision makers, using “flash-meetings” to accommodate stakeholder schedules, and using project logs to create a timeline so any new staff can get up to speed quickly.

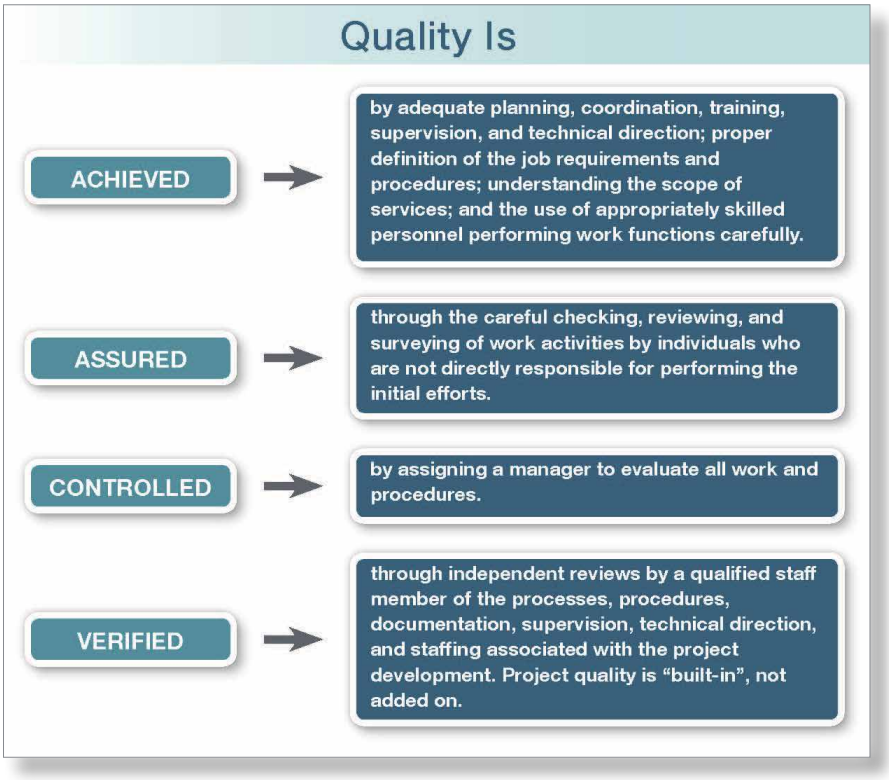
Our team has formed relationships with the City and CRA through our work on the Hollywood SR A1A improvement project. This will help us streamline our plan to effectively communicate with stakeholders. Key stakeholders include the CRA, Downtown Hollywood Business Association, Hollywood Chamber of Commerce, and Broward County Transit. Using the City’s website to distribute project notices will ensure interested parties are aware of important project dates.

Personnel assignments

The primary point of contact for this project will be **Matthew Fursetzer, P.E.** With more than 15 years of lighting experience, he has supported lighting improvements for numerous municipal clients statewide including the design of new systems and retrofit of existing systems to improve corridor and pedestrian safety. Matthew will help ensure that proposed improvements are consistent with City/CRA goals, and that the project is completed within specified schedule and budget constraints. **Marwan Mufleh, P.E.** will serve as principal-in-charge for the project. As a principal of the firm, Marwan has the authority to commit company resources to project needs. **Jim Sumislaski, P.E.** has nearly four decades of design experience and will act as the quality control team leader. The benefit of his experience is a unique understanding between the design, construction, and maintenance of the lighting system. **Jonathan Haigh, PLA, ASLA** is currently

serving the City of Hollywood and will provide any landscape or hardscape design services required. Our lead electrical designer, **Jon Chambers, P.E.,** has over 25 years of electrical engineering experience and will ensure the proposed lighting system (and any modifications to existing components) meet current National Electric Code standards.

Quality Control Process



Our team understands that providing a quality deliverable reduces project delays and cost. Our approach to achieving superior service focuses on following a project quality control plan, engaging anticipated review staff during the scoping of tasks and keeping them informed about the project, and following phase submittal checklists. The benefit of this approach is the elimination of avoidable comments, as well as expedited review periods and consistency with agency goals and objectives. Kimley-Horn will identify a project-specific file transfer method to facilitate the QA/QC process and simplify sharing of information between the project team and the CRA. Our quality control process extends beyond ensuring plans and reports are grammatically correct and previous comments have been incorporated. Methods our team will use to improve quality of deliverables includes engaging stakeholders during the scoping process or prior to initial plan submittals and performing constructability reviews. Specific staff will be identified to act as quality reviewers for each discipline ensuring that each deliverable exceeds expectations.

Control of Project Schedule and Budget

We understand that meeting project schedules is critical to ensuring project funding is not jeopardized. Common schedule delay causes include developing or changing priorities, dealing with external agency processes, and inadequate staffing. We address these issues by developing a clearly defined scope with the CRA and stakeholder input if required. External stakeholders' time requirements are identified and built into the schedule as critical path items. These include coordination with utility owners and review agencies, and timely review and processing of permit packages. Our control of the project budgets spans the entire life of a project from data collection to post design. During scoping, we will communicate with the CRA to ensure that all project goals are identified to avoid schedule delays and cost overruns. The design budget will be managed by properly identifying work requirements and using appropriately skilled staff. We strive to develop accurate construction cost estimates to ensure appropriate funds are available for future phases. Our team has successfully done this by reviewing current bid prices against historic cost, using strong contractor and vendor relationships to obtain real-time costs, and performing constructability reviews with CEI input to minimize delays, cost overruns, and potential claims during construction. A sample schedule is shown on the following page.

Typical Pedestrian Lighting Design and Construction Schedule

	2019		2020												2021			
TASK DESCRIPTION	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Notice to Proceed	★																	
Data Collection	■	■																
Lighting Design			■	■	■	■												
Construction Documents				■	■	■	■	■	■	■								
Utility Locates					■	■												
Survey			■	■														
Construction Phase											■	■	■	■	■	■	■	■
Public Involvement	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Matthew B. Fursetzer, P.E.

Project Manager, Lighting Design, Feasibility Studies, Bidding Assistance, Public Involvement, Construction Phase Services

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — Project engineer 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.

Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach — Project manager 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 FDOT.

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

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

SR A1A (Flagler Memorial Bridge) Replacement Design-Build Criteria Package and Construction Phase Services, FDOT District Four, West Palm Beach — Lighting design engineer during Kimley-Horn's development of the design-build criteria package for replacement of the existing four-lane bascule bridge across the Intracoastal Waterway.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida, 2001
- Professional Engineer in Florida, #63997, February 6, 2006
- American Society of Civil Engineers (ASCE)
- American Society of Highway Engineers (ASHE)

Special Qualifications

- Has 18 years of experience in roadway design with a specialty emphasis on lighting for FDOT facilities
- Proficient in AGI 32, Microstation, AutoCad, MathCad, and Visual Basic software programs

Marwan Mufleh, P.E.

Principal-in-Charge

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — Project manager for a feasibility study to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with 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.

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

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

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

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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 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.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Texas, Arlington, 1986
- Professional Engineer in Florida, #45329, March 27, 1992
- American Society of Civil Engineers (ASCE)
- American Society of Highway Engineers (ASHE)
- Florida Engineering Society

Special Qualifications

- Has 32 years of civil engineering experience
- Principal areas of practice include project management from the design concept stage through the construction administration phase, roadway design, streetscape, Complete Streets, roadway lane re-purposing, traffic calming, neighborhood revitalization, drainage design, innovative pavement design, pavement marking, and maintenance of traffic
- Highly experienced with neighborhood street redevelopment and lane elimination to repurpose streets for all modes of transportation
- Experienced in Microstation, GeoPak, and Microsoft office programs

Nicholas J. Clavelo, P.E.

Lighting Design

RELEVANT EXPERIENCE

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

SR A1A Complete Streets Design, Hollywood — 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 allow the public to experience the lane reduction on a trial basis to test its effectiveness prior to making it permanent.

SR A1A Streetscape Improvements, Fort Lauderdale — 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.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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. 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 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

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

Professional Credentials

- Master of Science, Civil Engineering, Florida State University, 2014
- Bachelor of Science, Civil Engineering, Florida State University, 2012
- Professional Engineer in Florida, 84366, December 16, 2017

Special Qualifications

- Professional Engineer with more than six years of engineering experience
- Specific project experience includes lighting, roadway, and drainage design; signing and pavement marking; development of roadway profiles and cross-sections; plan preparation; and opinions of probable cost
- Provides support to senior engineers on projects that involve lighting and roadway design
- Software experience includes AGI32, MICROSTATION, FDOT SS4, and GeoPak

Nicholas J. Provenzo, E.I.

Lighting Design, Feasibility Studies, Data Collection

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, City of Hollywood — 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.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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. 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 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

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

Downtown Light Pole Standards, Boca Raton — 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 long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. Kimley-Horn'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.

Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs — 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.

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.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Mississippi, 2012
- American Society of Civil Engineers (ASCE)
- Engineers Without Borders
- Institute of Transportation Engineers (ITE)

Special Qualifications

- Six years of experience on lighting design, ITS, signing and pavement marking, roadway design, and construction phase services for FDOT projects
- Software experience includes AutoCAD, MathLab, and SAP 2000

Gin Ng, P.E.

Civil Engineering

RELEVANT EXPERIENCE

Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach — Project engineer 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).

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

Quadrille Boulevard Streetscape Improvements, West Palm Beach — Project engineer. The City of West Palm Beach tasked Kimley-Horn to provide engineering and landscape architectural design services to implement streetscape improvements for Quadrille Boulevard from Okeechobee Boulevard to Datura Street. Improvements included new sidewalks along the west side of Quadrille, street trees, landscaping, site furnishings, irrigation, street lighting, and decorative crosswalks. Landscaping for the corridor features a low-water use perennial peanut groundcover in lieu of turf grasses and large Live Oak shade trees that will overhang the sidewalk and provide shade to pedestrians. The project was funded with a Metropolitan Planning Organization grant administered by FDOT under the Local Agency Program (LAP).

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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. 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 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), Coral Springs — Project engineer 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 U.S. 441 (State Road 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 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).

Professional Credentials

- Master of Science, Civil Engineering, University of Arkansas, 2000
- Bachelor of Science, Civil Engineering, University of Arkansas, 1994
- Professional Engineer in Florida, #58123, February 1, 2002

Special Qualifications

- Has 24 years of experience in design and preparation of construction plans, including roadway geometrics, specifications, signing and pavement marking plans, permitting, and traffic control plans
- Has worked on FDOT District Four projects since 2000
- Proficient in MicroStation, GeoPak, and Drainage programs ASAD, ICPR and HEC-RAS

Robert R. Conklin

Civil Engineering

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — Designer of the Kimley-Horn team serving the City of Hollywood to help reduce the travel lanes widths and incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The concept plans will include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, bicycle lanes, and designated loading zones; and improved street furniture, landscaping, and signage. The team will also provide traffic signal/roundabout analysis, driveway access review, emergency vehicle access review, meetings and coordination, and permitting services.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — Designer 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. 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 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach — Designer 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).

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA — Designer on the Kimley-Horn team providing roadway design, water main design services, relocation of piping for new drainage facilities, and design of water main crossings for a multi-phased project, which includes two miles of the US 1/Federal Highway one-way pair in each direction in Delray Beach. The City and 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.

Clematis Streetscape, West Palm Beach — Provided technical and design support for this downtown West Palm Beach redevelopment project. Clematis Street has served as the foundation project in the revitalization of downtown West Palm Beach. Almost $500 million worth of private investment has been attracted to the downtown area over the past several years.

SR A1A Streetscape Improvements, Fort Lauderdale — Designer. 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.

Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs — Designer 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.

Special Qualifications

- Has 33 years of experience as a roadway design technician on many of the firm's major roadway design projects
- Experience includes cross sections and earthwork computations, typical sections, roadway geometrics, profiles, maintenance of traffic plans, signalization plans, and signing and marking plans
- Proficient in the use of many software packages, including AutoCAD, MicroStation, Descartes Imaging, and GeoPak

Sara Lopez, P.E.

Civil Engineering, Public Involvement, Construction Phase Services

RELEVANT EXPERIENCE

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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. 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 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

PD&E Study for SR 5/US 1/Federal Highway from CR A1A to Beach Road, FDOT District Four Roadway design 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.

SW 10th Street PD&E Study (Sawgrass to I-95), FDOT District Four, Broward County Design analyst for Kimley-Horn's services as a subconsultant to another firm for this politically charged PD&E study in Broward County. Assisted with public involvement efforts. 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.

SR A1A North Causeway PD&E Study, FDOT District Four, Fort Pierce — Project analyst and assisting with public involvement efforts. Kimley-Horn is leading a PD&E study to consider the replacement of an existing movable bascule bridge with either a new bascule bridge or a high-level fixed bridge. PD&E considerations include an assessment of the impacts of reconstructing a portion of SR A1A with new frontage roads and retaining walls and connections to side streets, driveways, and parking lots. The project involves drainage design, environmental permitting for wetland impacts, and right of way acquisition considerations.

Glades Road and Butts Road Intersection Improvements, Boca Raton — Project analyst for design of a signal replacement and second southbound turn lane on Butts Road at the intersection of SR 808/Glades Road as part of our countywide miscellaneous services contract for Palm Beach County. Kimley-Horn's services included signal plans and design to replace the existing mast-arm assembly, signing and pavement marking plans, roadway and intersection design, drainage design, and environmental permitting with South Florida Water Management District and Lake Worth Drainage District.

Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton — Project analyst. As a subconsultant to another firm, Kimley-Horn provided structural design for a new bridge, utility coordination, coordination with Lake Worth Drainage District, and permit coordination services for roadway construction and improvements for Lyons Road. The project resulted in plans for a four-lane divided typical section with provisions for an ultimate six-lane section for Clint Moore Road to Linton Blvd. and a five-lane section from Linton Blvd. to Atlantic Avenue.

I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four, Fort Lauderdale — Project analyst on this design-build project as a subconsultant to another firm. Responsibilities include signing and pavement marking plans and ITS plans production.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida, 2014
- Professional Engineer in Florida, #1100018837, June 1, 2019
- American Society of Civil Engineers (ASCE)
- American Society of Highway Engineers (ASHE)

Special Qualifications

- Computer software experience includes AutoCAD 2010 and MacTrans HCS
- Fluent in Spanish

Cristina I. Caceres, E.I.

Civil Engineering, Data Collection

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — Project analyst of the Kimley-Horn team serving the City of Hollywood to help reduce the travel lanes widths and incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The concept plans will include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, bicycle lanes, and designated loading zones; and improved street furniture, landscaping, and signage. The team will also provide traffic signal/roundabout analysis, driveway access review, emergency vehicle access review, meetings and coordination, and permitting services.

SR A1A Streetscape Improvements, Fort Lauderdale — 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.

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

Georgia Avenue Resurfacing, West Palm Beach — Project analyst for improvements to the Georgia Avenue Corridor from Forest Hill Boulevard to West Lakewood Road. The scope for the roadway improvement includes improving the existing asphalt pavement, either through milling and resurfacing of Full Depth Reclamation (FDR), upgrading the existing sidewalk and curb ramp to current ADA standards, minor drainage modifications, improving the existing lighting system, and incorporation of minor landscaping and irrigation where possible. The new design was shaped considering the corridor being a high truck traffic area with major on-street parking needs.

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

All Electronic Tolling Conversion, Northern Coin System, Florida's Turnpike Enterprise
Project analyst. Kimley-Horn was responsible for the design and preparation of final contract documents for FPID 441322-1-32-01. The project limits are on the Florida's Turnpike Mainline (SR 91) between MP 254 and MP 296. The project consisted of implementing All Electronic Tolling (AET) conversions at the following interchanges: SR 50/Winter Garden/Clermont (MP 272), Minneola Interchange (MP 278), US 27/Leesburg South (MP 285), Leesburg Mainline Plaza (MP 288), US 27/ Leesburg North (MP 289) and County Road 470 (MP 296). Design included milling, resurfacing, traffic control, signing and marking, overhead sign design, sign panel replacements, ITS, and landscaping.

Professional Credentials

- Bachelor of Science, Civil Engineering, Florida Atlantic University, 2018
- Engineering Intern in Florida, 1100021986, 2018

Jon S. Chambers, P.E.

Electrical Engineering

RELEVANT EXPERIENCE

Districtwide Pedestrian Lighting Retrofit Design, FDOT District One — Electrical engineer on the Kimley-Horn team that was selected to provide consultant services to develop complete construction plans and specifications to upgrade the lighting levels at various intersections throughout District One. This will include evaluation of the existing intersection lighting levels, upgrading existing lighting from High Pressure Sodium light fixtures (HPS) to LED light fixtures and potentially supplementing the intersection with additional light poles.

All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise — Electrical 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, Broward County — Lighting/electrical engineer. Kimley-Horn was responsible for this design-build project from west of Pine Island Road to west of University Drive. Responsibilities within this section include roadway, temporary traffic control, drainage, bridge structures, and lighting. 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). Kimley-Horn is also responsible for the roadway lighting design of approximately 8 of the 10.5 miles of the project.

I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four, Broward County — Systems 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.

I-75 Managed Lane Project (Segment D) Design-Build from South of Sheridan Street to North of Griffin Road, FDOT District Four, Broward County — Systems 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.

Management System (ATMS) Phase I, FDOT District Seven — Project engineer that provided communications network design/electrical 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.

Miami-Dade ATMS Hybrid Communication System and ATMS Device Design for Kendall Drive, Miami — Systems engineer 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).

Professional Credentials

- Bachelor of Science, Electrical Engineering, University of Central Florida, 1992
- Professional Engineer in Florida, #64354, April 27, 2006
- Institute of Electrical and Electronic Engineers (IEEE)
- Intelligent Transportation Society (ITS), Board Member

Special Qualifications

- Has 27 years of experience in the design of wireline and wireless communications systems and ITS communications
- Jon has designed electrical power distribution systems for Electric-Vehicle (EV) charging stations
- Has designed numerous interstate lighting/electrical systems across the United States, including projects for Florida's Turnpike and FDOT districts
- Led the development of a communications plan for the planned upgrades to the Miami-Dade traffic signal system, and is currently leading a similar effort for the Tampa Bay area traffic signal system
- Jon has experience with deployments of high-mast, pedestrian, and conventional cobra-head mounted lighting configurations using conventional and LED light fixtures

Bryan S. Larsen, P.E. (VA)

Electrical Engineering

RELEVANT EXPERIENCE

Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six — Electrical engineer for the team providing roadway, signing and marking, signalization, lighting, structures and landscape design. The project consists of widening the existing 2-lane undivided road to a 4-lane divided road with a 10' wide shared use path. 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 972/Coral Way from SW 37 Avenue to SW 13 Avenue Resurfacing, FDOT District Six Electrical engineer. The project corridor, which includes a mix of businesses and apartments, is unique in its designation as a State Historic Highway (SHH), and is famous for its canopy of mature Banyan trees. The historic nature of these signature trees and widespread flooding made this more than a typical milling and resurfacing project and required extensive coordination with FDOT and local agencies, including the City of Miami Historic Preservation Board. Kimley-Horn's other services included roadway, drainage, signing and marking, addressing ADA issues along the project corridor, design of one new signalized intersection, one new mid-block signal, and addition of new Rectangular Rapid Flashing Beacons (RRFBs) and speed feedback signs at four locations.

Miami-Dade ATMS Hybrid Communication System and ATMS Device Design for Kendall Drive — Electrical engineer 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.

North Bay Village Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, Miami-Dade County — Electrical 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.

SR 13 (San Jose Blvd) and SR 109 (University Blvd) Signal Upgrades and SR 15 Lighting Design, FDOT District Two — Electrical engineer for the design of 13 traffic signal updates. SR 13 (San Jose Blvd) includes seven signalized intersections from Julington Creek Road to Mandarin Road and SR 109 (University Blvd) includes six signalized intersections from Los Santos Way to Merrill Road. The two projects are upgrading the existing signalized intersections to include the flashing yellow arrow signal heads, back plates for all directions, and an additional through signal head northbound and southbound on SR 13. In addition, the SR 109 corridor includes the installation of fiber optic interconnect for the project limits to allow communication between the traffic signals and the upgrade of the existing overhead school zone flashers.

SR 5 (US 1) ITS Project, FDOT District Two — Project engineer. This design-build project consisted of the installation of 10 arterial dynamic message signs (ADMS), interconnection with the existing FDOT District Two and City of Jacksonville fiber optic networks (FONs), installation of a closed-circuit television (CCTV) camera subsystem with 18 CCTV cameras, and the upgrade of 18 existing signal cabinets for central command and communications. The project also included all ancillary components and device configuration adjustments needed to connect and operate a complete ITS. Existing single-mode (SM) and multi-mode (MM) fiber-optic cable (FOC) was used throughout the project limits with the MM FOC acting primarily as the FOC backbone for the project corridor.

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

Professional Credentials

- Bachelor of Science, Electrical Engineering, Old Dominion University, 2011
- Professional Engineer in Delaware, District of Columbia, and Virginia
- Institute of Electrical and Electronic Engineers (IEEE)

Special Qualifications

- Has 11 years of experience in civil and electrical engineering including the designs of lighting systems for site lighting, parking, and a variety of transportation lighting projects
- Experience also includes modeling luminaire photometrics as well as electrical power distribution and lighting control systems
- Experience includes the layout and connectivity of instrumentation devices as well as electrical power distribution design, backup power systems, grounding systems design, and hazardous area classifications
- Develops electrical plans, specifications, and details

Jeffrey C. Sallee, P.E.

Electrical Engineering

RELEVANT EXPERIENCE

I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four — Electrical engineer for three miles of I-75 Express Lanes in Miramar. Our design provided 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.

I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four — Electrical engineer for four miles of I-75 in Pembroke Pines and Miramar. 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, MVDSs, Permanent Traffic Monitoring Sites (PTMS), power conductors, generators, and all associated equipment power.

SR 826/Palmetto Expressway from W of SR 823/NW 57th Ave to W of SR 817/NW 27th Ave, FDOT District Six — Electrical engineer. Kimley-Horn was selected to provide consulting engineering services for this project. 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 for a 3.1-mile corridor.

All Electronic Tolling (AET) 5B, Sawgrass Expressway Design-Build, Florida's Turnpike Enterprise — Electrical 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.

City of Tampa Advanced Traffic Management System (ATMS) Phase I, FDOT District Seven Project engineer involved with communications network design/electrical 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.

Turnpike (SR 91) All Electronic Tolling (AET) 5A Conversion from I-595 to South of the Lantana Mainline Toll Plaza, Florida's Turnpike Enterprise — Electrical engineer for post design services who was responsible for answering contractor questions, evaluating contractor-generated engineering analyses, and shop drawing reviews. Kimley-Horn was selected to provide design services 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.

North Bay Village Baywalk Plaza Area Design, Miami-Dade — Electrical engineer. Kimley-Horn provided North Bay Village with landscape architecture and civil engineering services for the site improvements to separate plaza areas and connector boardwalk under the east bridge along JFK Causeway. Services included the design of landscape architectural components including hardscape, landscape, site furniture, site lighting and irrigation from concept through construction. Part of the design elements of the project includes an iconic "sail structure" to serve as a focal point. The contract was funded through The Florida Inland Navigation District (FIND).

Professional Credentials

- Master, Engineering Management, Old Dominion University, 2013
- Bachelor of Science, Electrical Engineering, University of Arizona, 2005
- Professional Engineer in Florida, #76674, October 31, 2013
- Institute of Electrical and Electronic Engineers (IEEE)

Special Qualifications

- Has 13 years of experience as an electrical design engineer with a primary focus on design of power, backup power, lighting, and communication systems for facilities
- Works on ITS projects to provide clients with updated and more robust detection, visual monitoring, dynamic messaging, and signal systems
- Designs wireless, copper, and fiber solutions to meet clients' ITS needs, roadway and parking lot lighting, backup and emergency systems for facilities and intelligent transportation systems
- Instrumentation and Controls design experience for pump stations

Jonathan D. Haigh, PLA, ASLA

Landscape Architecture

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — 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.

SR A1A Streetscape Improvements, Fort Lauderdale — Landscape architect. 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.

Clematis Streetscape Improvements, West Palm Beach — Project manager and lead landscape architect. Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. After several public input meetings with Clematis Street merchants, stakeholders, residents, and visitors, the City Commission voted to implement recommendations from the design team to implement a transformative change to this destination street in downtown West Palm Beach. The design features a paver-covered, curbless street with narrowed travel lanes, premium paver sidewalks, permeable paver parking spaces, custom-designed seating areas, and a landscape featuring large Live Oaks to provide significant shade for pedestrians. The design features the City's first implementation of suspended pavement systems, which, in combination with Structural Soil, will provide a significant root zone space for the Live Oaks to thrive. Kimley-Horn provided engineering services for the relocation of a water line, and provided an improved drainage solution, unique to the curbless street.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA — Landscape architect. Kimley-Horn was retained by the Delray Beach CRA to design permanent improvements to reduce north- and southbound US 1 (NE 6th Ave. and NE 5th Ave.) 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.

Fern Street Streetscape and Complete Streets Design, West Palm Beach — Project manager and landscape architect. 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.

Historic Miramar Complete Streets, Miramar — Project manager 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 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.

Professional Credentials

- Bachelor of Landscape Architecture, University of Arkansas, 1995
- Professional Landscape Architect in Florida, #6666795, May 25, 2005
- American Society of Landscape Architects (ASLA), Past President
- Florida Recreation and Parks Association

Special Qualifications

- Has 24 years of experience as a practicing professional landscape architect
- Skilled designer with park-related project experience throughout the Southeast United States: eight community parks of 60 acres and greater, more than 20 passive parks of varying size, and more than 50 miles of dedicated greenways
- Experienced in applying a practical and budget-friendly, yet creative design approach to each project
- Proficient in applying sustainable principles in project design and incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems

Tricia C. Richter, PLA, ASLA

Landscape Architecture

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — 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.

Downtown Light Pole Standards, Boca Raton — Landscape architect 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 long weather resistant and needed frequent maintenance and/or replacement. The City tasked Kimley-Horn to develop a standard for exterior lighting to help give the Downtown area a uniform feel and reduce the effort needed to maintain multiple types of fixtures. Kimley-Horn'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.

Las Olas Boulevard Corridor Improvements, City of Fort Lauderdale — 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 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.

Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach
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).

Clematis Streetscape Improvements, West Palm Beach — Landscape architect. Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. In partnership with the City, the team conducted public outreach to residents and visitors. After several public input meetings with Clematis Street merchants, other area merchants, stakeholders, residents and visitors, the City Commission voted to implement recommendations from the award-winning design team.

Fern Street Streetscape and Complete Streets Design, West Palm Beach — 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.

Professional Credentials

- Bachelor of Landscape Architecture, University of Florida, 2011
- Professional Landscape Architect in Florida, #LA6667244, November 16, 2015
- American Society of Landscape Architects (ASLA), Full Member

Special Qualifications

- Seven years of experience with landscape design, construction document preparation, and in preparing presentation graphics

Stephen Feccia, PLA

Landscape Architecture

RELEVANT EXPERIENCE

SR A1A Complete Streets Design, Hollywood — 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.

Fern Street Streetscape and Complete Streets Design, West Palm Beach — 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.

Historic Miramar Complete Streets — 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.

Rosemary Avenue (CityPlace) Streetscape Improvements, West Palm Beach — Landscape architect. Kimley-Horn was retained to provide landscape, hardscape, and irrigation design services to enhance revise the Rosemary Avenue and Hibiscus Street corridors from Okeechobee Blvd. throughout CityPlace as part of the rebranding transition to Rosemary Square. Streetscape improvements include narrowing the travel lanes, eliminating on-street parking, creating fluid pedestrian transition areas, and raising the road to create a curb-less street. A series of decorative pavers were selected for surface treatments that were strategically arranged to delineate pedestrian and vehicular areas, while cohesively unifying the project. A plethora of site amenities were also proposed including a custom seatwall, benches, bike racks, and bollards. This will include paver block driving surfaces, pedestrian paths, and other landscape and hardscape treatments. Additional plans are being considered for Rosemary Avenue from Hibiscus to Evernia Street.

Miramar Historic Downtown Revitalization — 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 — 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).

Professional Credentials

- Bachelor, Environmental Horticulture, University of New Hampshire, 2008
- Master of Landscape Architecture, Florida International University, 2014
- Professional Landscape Architect in Florida, #LA6667289, August 18, 2016
- American Society of Landscape Architects (ASLA), Member

Special Qualifications

- Serves numerous public and private sector clients as project manager and lead landscape architect for several high end urban, commercial, residential, and streetscape developments
- Accomplished in implementing productive problem solving, critical analysis, and innovative strategies to aid in profitable and comprehensive project
- Experienced in applying a practical and budget friendly, yet creative approach to each project
- Proficient in applying sustainable principles in project design and incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems

Victoria A. Bacheler

Permitting

RELEVANT EXPERIENCE

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

Apollo Beach Boulevard Extension/I-75 Flyover, Hillsborough County — Environmental scientist for the Kimley-Horn team designing the extension of Apollo Beach Boulevard from US 41 to Paseo al Mar Boulevard that will result in a 4-lane facility including the bridge over I-75 to the eastern limits of the conservation easement or approach tie-down. Extending Apollo Beach from US 41 to US 301 will serve as an alternative east/west connection ultimately reducing traffic demands on Big Bend Road. This work effort includes alignment and traffic studies; surveying; geotechnical exploration, testing, and analysis; preparing engineering reports with right-of-way maps and environmental documentation incorporating roadway, stormwater detention, and wetland mitigation requirements; permitting requirements; and determination of right-of-way requirements.

Boca Raton II Tri-Rail Station PD&E Study, Boca Raton — Environmental scientist responsible for writing and submittal of NEPA documentation (Natural Resources Evaluation, Socio-cultural Effects Report, and Type II Categorical Exclusion) and assisting with public involvement. This project involves the construction of a second Tri-Rail station within the City of Boca Raton. The proposed station will increase mobility for residents and commuters and will also provide access to a variety of local community features, such as Town Center at Boca Raton mall, downtown Boca Raton, several recreational facilities, and colleges/schools nearby.

CR 525E Extension Design and Permitting, Sumter County — Environmental analyst. This project involves design and permitting associated with a new approximately one-mile roadway extension to support regional transportation connectivity and economic growth. Design plans and permits were obtained for the first two lanes of a future four-lane road section. Services included surveying and mapping, geotechnical explorations, environmental assessments and permitting, roadway design and construction plans, permitting, and bid documents and assistance. The project was designed as two lanes of the ultimate four-lane buildout configuration identified to be needed to support future traffic growth associated with a new interchange connection at CR 514 at I-75. Kimley-Horn will also be providing engineer of record services during construction. At the completion of Phase 1, Kimley-Horn was retained to prepare design plans and permits for Phase 2 of the project, which will extend the roadway to US 301 and includes permitting with CSX for a new railroad crossing.

SW 10th Street PD&E Study (Sawgrass to I-95), FDOT District Four — Environmental scientist responsible for conducting gopher tortoise survey, habitat mapping, and writing and submittal of NEPA documentation (Natural Resources Assessment, Socio-cultural Effects Report, Section 4(f) Determination of Applicability Report, Contamination Screening Evaluation Report, and Categorical Exclusion Report), and public involvement. This project includes the widening of an already existing roadway in Deerfield Beach . SW 10th Street provides a link between the Sawgrass Expressway, Florida's Turnpike, and I-95, therefore serving as an important arterial roadway for local residents and commuters.

Midway Road (CR 712) Design and Reconstruction, FDOT District Four, St. Lucie County Environmental scientist conducting Crested Caracara (federally threatened bird species) surveying. Kimley-Horn will be responsible for permitting 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 (Aquatic Preserve and Outstanding Florida Water) and also includes 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.

Professional Credentials

- Master of Science, Marine and Environmental Biology, Nicholls State University, 2013
- Bachelor of Science, Wildlife Ecology and Conservation, University of Florida, 2009

Special Qualifications

- Experience working with municipal, state and federal agencies such as the U.S. Army Corps of Engineers and Water Management Districts
- Experience conducting Efficient Transportation Decision Making (ETDM) Programming Screenings for FDOT and FTE projects
- Experience with NEPA documentation (Environmental Assessments, Categorical Exclusions, Natural Resource Evaluations, Contamination Screening Evaluation Reports, Section 4(f) Determination of Applicability)
- Assisted with analysis and documentation for numerous PD&E studies
- Experience with environmental permitting for a vast array of projects including seawalls and docks, utility installations, transportation improvements, residential and commercial development

Shelby Oenbrink, WPIT

Permitting

RELEVANT EXPERIENCE

SR A1A Streetscape Improvements, Fort Lauderdale — Environmental 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.

All Electronic Tolling Conversion, Northern Coin System, Florida's Turnpike Enterprise Environmental analyst on the Kimley-Horn team who was responsible for the environmental assessments conducted within the project limits. The project limits are on the Florida's Turnpike Mainline (SR 91) between MP 254 and MP 296. The project consisted of implementing All Electronic Tolling (AET) conversions at the following interchanges: SR 50/Winter Garden/Clermont (MP 272), Minneola Interchange (MP 278), US 27/Leesburg South (MP 285), Leesburg Mainline Plaza (MP 288), US 27/Leesburg North (MP 289) and County Road 470 (MP 296). Design included milling, resurfacing, traffic control, signing and marking, overhead sign design, sign panel replacements, ITS, and landscaping.

Allure on the Parkway, Lake Mary — Environmental analyst. Kimley-Horn is providing civil engineering services for this mixed-use development proposed to include residential, office, retail, and hotel spaces. Specifically, Kimley-Horn prepared a final master plan, including a master land use plan, transportation plan, utility service plan, site development plan, and landscaping plan for this mixed-use development.

Boynton Beach Police Headquarters - Phase 1 Design, Boynton Beach — Environmental analyst on the Kimley-Horn team who was retained by a local contractor to assist the City of Boynton Beach in conducting an environmental assessment and listed species survey throughout the project site.

Lost Oak Resort Master Plan, Lake Wales — Environmental analyst responsible for numerous wildlife surveys for federal and state listed species, such as Florida scrub-jay, wading birds, southeastern American kestrel, Audubon's crested caracara, bald eagles, and Sherman's fox squirrels. Analyst is also responsible for wetland delineation and coordination with multiple agencies: SFWMD, USACE, and USFWS. Kimley-Horn provided preliminary engineering and consulting services for this resort development. Services included preparation of a conceptual master plan and preliminary design concepts for permitting. The resort is proposed to include three golf courses, a clubhouse, a marina, sporting clay areas, and rental cabins.

CR 484 Widening from Marion Oaks Pass to Marion Oaks Course, Marion County — Biologist on the Kimley-Horn team who performed the environmental assessments for the intersection of CR 484 and Marion Oaks Course and continuing westward to transition to the intersection of CR 484 and Marion Oaks Pass, for a distance of 1.4 miles.

Orange Blossom Hills (OBH) Water Treatment Plant, Marion County — Biologist on the Kimley-Horn team who provided a natural resources assessment for the sustainability of a future lower Floridan well and water treatment plant on a 13-acre plot in Orange Blossom Hills.

PAB and TITAN Capacity Expansion Project, B. Braun Medical, Inc., Daytona Beach Environmental analyst who conducted a wetland delineation and environmental permitting on the Kimley-Horn team.

Discovery Village, Discovery Senior Living, Melbourne — Environmental analyst on the Kimley-Horn team responsible for the gopher tortoise survey, permitting, and relocation services for the proposed four-story, 33-unit building to the Sonata at Melbourne property.

McLane Distribution Center Expansion, Marion County — Environmental analyst on the Kimley-Horn team responsible for the natural resources' assessment, gopher tortoise permitting, and gopher tortoise relocation conducted for the expansion of an existing building and parking area within the Ocala International Commerce Park in Marion County. The project is on 47 acres within the City limits of Ocala near the intersection of NW 50th Avenue and NW 5th Street.

Professional Credentials

- Bachelor of Science, Environmental Science, University of Central Florida, 2013
- Wetland Professional in Training (WPIT) in Florida

Special Qualifications

- Has six years of experience
- Wetland Professional in Training (WPIT) in Florida

Anthony M. Bevilacqua, P.E.

Structural

RELEVANT EXPERIENCE

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — Structural 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. 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 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. 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), Coral Springs — Structural 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.

Atlantic Boulevard Bridge Decorative Sails and Lighting, City of Pompano Beach — Structural engineer 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).

Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six — Structural engineer for the team providing roadway, signing and marking, signalization, lighting, structures and landscape design. The project consists of widening the existing 2-lane undivided road to a 4-lane divided road with a 10' wide shared use path. 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%.

Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton — Quality control for structural design. As a subconsultant to another firm, Kimley-Horn is providing structural design services for a new Lyons Road bridge over the Lake Worth Drainage District (LWDD) L-38 Canal adjacent to the existing bridge. Careful attention needs to be maintained when working adjacent to existing large underground utilities and overhead electric lines that may interfere with bridge pile driving. Kimley-Horn is coordinating closely with LWDD for the design of the new bridge and consideration of canal access.

Miami Beach Convention Center — Structural engineer. This project involves the expansion and renovation of the existing convention center as well as the redevelopment of surrounding areas into active parks to create a Convention Center District. This multidisciplinary project includes streetscape; the redesign of Convention Center Drive, 19th Street, and 18th Street; and the realignment of all underground utilities, including large storm culverts, water mains, sewer mains, force mains, and dry utilities. Other civil services associated with the project include improvements and modifications to three signalized intersections; coastal engineering, including the design of the Collins Canal edge stabilization and a secondary floodwall; and environmental engineering, including the preparation of a soil management plan for earthwork management during construction.

Professional Credentials

- Master of Engineering, Structural Engineering, University of Florida, 1999
- Bachelor of Science, Civil Engineering, Florida State University, 1997
- Professional Engineer in Florida, #59262, January 14, 2003
- American Concrete Institute
- American Institute of Steel Construction
- Florida Engineering Society
- American Welding Society

Special Qualifications

- Has 20 years of experience with bridge design, construction, and scour analysis
- Spent 12 weeks on site at FDOT District Four under a miscellaneous structures contract
- Previously served as research assistant at the University of Florida, where he was responsible for an FDOT-funded project that consisted of the design, testing, and evaluation of precast concrete deck panels used as stay-in-place formwork

Jamea M. Long, P.E.

Structural

RELEVANT EXPERIENCE

Apollo Beach Boulevard Extension/I-75 Flyover, Hillsborough County — Structural engineer for the Kimley-Horn team designing the extension of Apollo Beach Boulevard from US 41 to Paseo al Mar Boulevard that will result in a 4-lane facility including the bridge over I-75 to the eastern limits of the conservation easement or approach tie-down. Extending Apollo Beach from US 41 to US 301 will serve as an alternative east/west connection ultimately reducing traffic demands on Big Bend Road. This work effort includes alignment and traffic studies; surveying; geotechnical exploration, testing, and analysis; preparing engineering reports with right-of-way maps and environmental documentation incorporating roadway, stormwater detention, and wetland mitigation requirements; permitting requirements; and determination of right-of-way requirements.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA — Project engineer on the Kimley-Horn team providing roadway design, water main design services, relocation of piping for new drainage facilities, and design of water main crossings for a multi-phased project, which includes two miles of the US 1/Federal Highway one-way pair in each direction in Delray Beach. The City and 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.

Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton — Engineer of record for structural design. As a subconsultant to another firm, Kimley-Horn is providing structural design services for a new Lyons Road bridge over the Lake Worth Drainage District (LWDD) L-38 Canal adjacent to the existing bridge. Careful attention needs to be maintained when working adjacent to existing large underground utilities and overhead electric lines that may interfere with bridge pile driving. Kimley-Horn is coordinating closely with LWDD for the design of the new bridge and consideration of canal access.

Old Dixie Highway, Yamato Road to Linton Boulevard, Boca Raton — Project manager and structural engineer. As a subconsultant to another firm, Kimley-Horn provided structural design and signalization services for the construction of a new three-lane urban roadway section from Yamato Road to Linton Boulevard. The project scope included the design, permitting, and construction plans for 3.5 miles of Old Dixie Highway from north of Yamato Road to north of Linton Blvd. The structural component of the project included the bridge replacement over the C-15 Canal. Our team coordinated with Palm Beach County Utilities and South Florida Water Management District for relocation of existing utilities and ultimate design of the bridge replacement.

Reconstruction of Krome Avenue from South of SW 296 St to South of SW 232 St, FDOT District Six — Project engineer for the team providing roadway, signing and marking, signalization, lighting, structures and landscape design. The project consists of widening the existing 2-lane undivided road to a 4-lane divided road with a 10' wide shared use path. 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%.

West Atlantic Avenue at Florida's Turnpike Intersection Improvements, Delray Beach Structural engineer. Kimley-Horn was retained by Palm Beach County to study improvements to Atlantic Avenue and Turnpike entrance intersections. Proposed improvements include the addition of a dedicated westbound to northbound right-turn lane on SR 806/Atlantic Avenue at the northbound entrance to Florida's Turnpike. The turn lane will start east of the existing bridge over LWDD E-2-E Canal. The existing bridge will be widened to accommodate the new turn lane. A second option would include a third westbound land in additional to the right-turn lanes. For the structural component, Kimley-Horn reviewed the existing bridge conditions and bridge crossing requirements of the LWDD E-2-E Canal and impacts of existing utility crossing attachments to the bridge. Our team coordinated with LWDD, owner of the canal; FDOT District Four Structural Office; and Florida's Turnpike Enterprise. Additionally, our team provided the design of the bridge widening.

I-75 Managed Lane Project (Segment C) Design-Build from South of Miramar Parkway to South of Sheridan Street, FDOT District Four, Broward County — Structural 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.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida, 1997
- Professional Engineer in Florida, #58677, June 20, 2002

Special Qualifications

- Has 23 years of engineering experience
- Responsibilities include coordinating projects, performing calculations, coordinating plan preparation, QC bridge calculations and plans, and reviewing shop drawings
- Experience includes writing technical specifications and observing project construction

Lisa Stone, P.E.

Public involvement/Construction Phase Services

RELEVANT EXPERIENCE

SR A1A Streetscape Improvements, Fort Lauderdale — Project engineer. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street along Fort Lauderdale Beach. The project consists of improving the 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.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — 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. 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. We incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO.

PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/Miami-Dade Counties — Project manager and public involvement leader for the Kimley-Horn team that is serving as a subconsultant to another firm to provide engineering services for a PD&E study for the widening of the Florida's Turnpike Spur and the HEFT from East of NW 57th Avenue to Mainline in Broward and Miami-Dade counties. Kimley-Horn's role is to provide environmental and public involvement support, as well as to assist with roadway design, structural elements, drainage design, permitting, and lighting.

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

SR A1A RRR Design from East of Mercedes River Small Bridge to Sunrise Boulevard, FDOT District Four — Project engineer on the Kimley-Horn team selected for the milling and resurfacing of A1A from the bridge over the Mercedes River to Sunrise Boulevard. This portion of A1A is a designated Florida Scenic Highway. In addition, this particular segment is nationally and internationally renowned as the Fort Lauderdale Beach Strip. This project 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, traffic control plans, lighting evaluation, and local agency coordination.

Kings Highway (SR 713) from Okeechobee Road (SR 70) to US 1 (SR 5) PD&E Study, FDOT District Four, St. Lucie County — Assistant project manager and public involvement leader on the Kimley-Horn team that performed a PD&E study to widen an existing two-lane roadway to a four-lane divided roadway. Assisted with production of the Preliminary Engineering Report. This project is 10 miles in length and includes all environmental and engineering reports necessary to evaluate alternative corridors and alternative alignments within the selected corridor.

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida, 1996
- Professional Engineer in Florida, #56806, February 1, 2001
- Florida Engineering Society
- National Society of Professional Engineers (NSPE)

Special Qualifications

- Has 23 years of roadway design and PD&E experience in Florida
- Has managed projects for FDOT Districts Two, Three, Four, and Turnpike
- Experience includes transportation, PD&E, public involvement, roadway design, plan preparation, utility coordination, maintenance of traffic, pavement design, roadway lighting design, signing and pavement marking, permitting, long range estimates, specifications, and post-design services

Erin N. Emmons, GISP

Data Collection and Analysis

RELEVANT EXPERIENCE

Districtwide Modal Development Consultant, FDOT District Four — Member of the Kimley-Horn team that has served as a Districtwide Modal Development Consultant to the 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.

Southeast Florida Regional Freight Plan (SFRFP), Fort Lauderdale — Project analyst. As a subconsultant, Kimley-Horn conducted technical data analyses and developed the roadway project freight Needs Plan for the 2014 Southeast Florida Regional Freight Plan (SFRFP). The SFRFP identifies and prioritizes freight needs projects in a manner consistent to the LRTP process and identifies potential freight funding opportunities. Input for the development of the SFRFP was received from a wide variety of freight stakeholders, including seaports, airports, FDOT Districts Four and Six, MPOs, and other public and private sector entities. Kimley-Horn collected and analyzed a wide variety of freight transportation data including truck volumes and truck percentages on major facilities in the region; key freight activity centers using InfoUSA establishment data; available county land use data; and railroad crossing delay data. In addition, Kimley-Horn developed an extensive geographic information system (GIS) database and mapping of the prioritized freight Needs Plan projects.

Districtwide ATMS/ITS Consultant Contract, FDOT District Three — GIS specialist. 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.

Districtwide Systems Planning, FDOT District Three — GIS analyst on the Kimley-Horn team that has provided planning services for District Three office since the mid-1990s. Since our most recent contract renewal in mid-2008, our team has been tasked with the SR 75 Action Plan Update in Bay County; the SR 85 Action Plan in Okaloosa County; SR 85 Access Management Study in Okaloosa County and the City of Crestview; and the SR 95 (US 29) Action Plan in Escambia County.

Growth Management Planning Assistance, FDOT District Three — Project analyst for the Kimley-Horn team that was selected by FDOT District Three in 2010 to provide professional planning and engineering services in support of the District's transportation planning programs. Activities under this contract may include system and/or corridor growth management planning; systems planning and engineering studies; developing/analyzing/monitoring potential revisions of the District's Florida Intrastate Highway System and the Strategic Intermodal System; modal development; metropolitan planning organization (MPO) assistance along with MPO and regional traffic model calibration/analysis/updates/enhancements; State-mandated transportation program implementation; corridor planning; and environmental management including updating, monitoring, and data entry into the Efficient Transportation Decision Making (ETDM) process.

South Florida Commuter Services (SFCS) Planning and Engineering Services, FDOT District Four — Project analyst. Worked as a subconsultant to another firm, providing ongoing planning and engineering support services on the South Florida Commuter Services (SFCS) contract. Provided expertise in technical aspects, including traffic operations, transportation planning, data collection, travel demand modeling, and engineering, as well as coordination and partnership with local government partners. Specific projects that Kimley-Horn has conducted include an assessment of local submarkets for Transportation Management Initiative (TMI) expansion, Safe Routes to School (SRTS) assessments, park-and-ride plans, and an evaluation of express bus services.

Miami Beach Light Rail/Modern Streetcar P3 Program Management, Miami Beach — GIS specialist assisting with data collection and development for an assessment of existing conditions along the corridor. Assessment is needed for the 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 is serving as the prime consultant overseeing the project through development, conceptual engineering, environmental impact analysis, and procurement of a P3 developer that will design, build, operate, maintain, and finance the project.

Professional Credentials

- Bachelor of Science, Urban and Regional Planning, Florida Atlantic University, 2006
- GIS Professional (GISP)
- Graduate Certificate in Geographic Information Science (GIS), University of West Florida, 2012
- American Planning Association (APA)
- Women's Transportation Seminar, (WTS)
- Florida Parking and Transportation Association (FPTA)
- Palm Beach GIS User Group

Special Qualifications

- Has 14 years of experience years of experience as a transportation and long-range community planner, with a specialty focus in GIS, field surveying and GPS data configuration, and database development for asset management
- Experience in transit planning for both local circulators and regional transit networks, involving route development and modification, Origin-Destination analysis, and facility and amenity planning
- Assistant project manager and lead for state, county and, citywide multimodal transportation plans involving: the collection and assessment of crash data; the collection of bicycle, pedestrian, and transit facility information for the calculation of level of service; and development of short- and long-term improvements

DANIEL CHECCHIA

Surveying/Utility Locates

Mr. Checchia has over 21 years of experience in transportation engineering, surveying, civil design and construction related fields, with expertise in Subsurface Utility Engineering (SUE), including Utility Coordination. His duties are to oversee the day-to-day operations of all Subsurface Utility Engineering and Coordination projects for our firm. Mr. Checchia is responsible for assisting clients with utility research, identification, data management and coordination. Besides having developed a strong rapport with local utilities and municipalities, his knowledge and experience in the Subsurface Utility Engineering process allows him to easily recognize utility conflicts during design and construction. He has been involved on a variety of projects such as design, design build and private sector work. Mr. Checchia's understanding of the Quality Levels in the ASCE Guidelines enables him to manage a project from pre-design to post construction, negotiating to minimize utility impacts and suggesting and implementing cost effective timely resolutions for utility conflicts. Mr. Checchia is fully knowledgeable of the FDOT Utility Coordination process, with eight years of involvement working on multiple types of transportation projects.

Years of Experience
21

Education
AS of Applied Science in Construction Technology, Suffolk County Community College, 2008

Professional Affiliations
Founding Board of Director-SUE Association

Transportation & Expressway Authority Membership of Florida (TEAM FL)

Florida Utility Coordination Committee (FUCC)

Certifications
FDOT Maintenance of Traffic

Issues Affecting SUE

Risk Management and Professional Liability in SUE

Rebuilding America's Infrastructure

SAFE PIPES Act and Related Legislation

RELEVANT PROJECT EXPERIENCE

A1A Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive, Pompano Beach, FL: As a subconsultant to Power Services, KEITH is providing up to 600 test holes to assist the design engineer with exposing existing utilities in order to assist with the design corridor and minimize potential conflicts for the proposed undergrounding of existing overhead facilities. ASCE Standard Quality Level B (Designating) and Quality Level "A" vacuum excavation services will be mapped and placed in a geo referenced cad file with a test hole summary report providing coordinates, depth of cover, type, size and material. **(07020.81)**

Briny Avenue Streetscape Improvements, Pompano Beach, FL: This project involved the reconstruction of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue including wider sidewalks, revised parking configurations and lanes. KEITH provided professional services for a design survey as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue.

FDOT District 4 Districtwide Subsurface Utility Engineering (SUE) and Survey Utility Excavation: Mr. Checchia provided ASCE Standard Quality Level A–D Subsurface Utility Engineering services to designate, locate by excavation, survey and map existing surface and subsurface utilities to support the design of construction plans on a districtwide basis on projects selected by the District office. Services include providing the exact horizontal and vertical locations of existing underground utilities by way of electromagnetic, sonic and other geophysical location techniques including air/vacuum or other non-destructive excavation procedures.

Hallandale Beach Fire Station 7 and Emergency Management Facility, Hallandale Beach, FL: The building program and design for the City's new main fire rescue headquarters and emergency management facility were developed to achieve LEED Silver Certification and include a 25,000 SF, two-story complex with four apparatus bays and living quarters for up to 16 firefighters. In addition to on-duty fire rescue staff, the building will house the City's Fire Prevention Bureau including office space for fire inspectors, plans review and public education. KEITH is providing Civil Engineering, Landscape Architecture and SUE services.

MARK MITCHELL

Surveying/Utility Locates

Years of Experience
20

As a Subsurface Utility Engineering Senior Project Manager for KEITH's Utilities Division, Mr. Mark Mitchell is responsible for scheduling and supervising field crews, conducting utility field meetings, utility records research, conflict analysis and determining if additional utility investigation is needed for assigned projects in South Florida. He completed projects from beginning phases to final delivery; which included preparing and submitting fee proposals, coordinating with clients, being able to setup projects for field crews and conducting field visits when trouble shooting is required; download and process collected data; performed quality control and finalize for delivery while keeping clients informed on a daily basis. His experience also includes creating DTM's, Topo's, Tin Models, PNC's and Test Hole summary spread sheets. Mr. Mitchell provides a liaison between designers, utility agencies and owners on behalf of clients to provide utility coordination services, providing documentation, inter-coordination and maintenance of files of all activities for each utility agency.

RELEVANT PROJECT EXPERIENCE

Briny Avenue Streetscape Improvements, Pompano Beach, FL: This project involved the reconstruction of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue including wider sidewalks, revised parking configurations and lanes. KEITH provided professional services for a design survey as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue.

FDOT District 6 Districtwide Utility Location Services, Miami Dade County, FL: As a Prime consultant, KEITH is providing underground utility location services, including physical locates and surface designations to FDOT District 6 for contract FM #250723-2-32-03/-04. Through our designating, locating and mapping services, KEITH supports the District's current work program in completing the design and development of construction plans.

Fort Lauderdale-Hollywood International Airport SUE Services, Broward County, FL: As the field supervisor, Mr. Mitchell was responsible for providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services as a subconsultant on many projects for the airport such as Phase 1 Utility Atlas Update for South Runway Expansion, Phase 2 Utility Atlas for South Runway Expansion, Terminal 4 Fuel Line Relocation, 9R/27L Runway Expansion, Perimeter Road Water and Sewer Utility Improvements, Eastside Watermain Improvements, Westside Watermain Improvements, North Perry Airport HWO Wayfinding, Terminals 2 and 3, etc.

Martin Luther King Jr. Boulevard, Pompano Beach, FL: As the field supervisor, Mr. Mitchell was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the design engineer on accurately identifying the existing utilities in order to mitigate conflicts with the proposed design.

SR A1A Conversion, Pompano Beach, FL: As the field supervisor, Mr. Mitchell was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the City of Pompano Beach Project Manager on preparing the design build documents to be released for bid.

Mr. Lindley joined Caulfield & Wheeler, Inc. in 1985 and has been providing Land Surveying Services on projects throughout southeast Florida since that time. Mr. Lindley is the Director of the Land Surveying Department and supervises the Computer Automated Drafting Department of Caulfield & Wheeler, Inc. He is consistently researching publications and technical groups to insure that Caulfield & Wheeler's survey equipment, computer hardware systems, and software is the best available technology. He has established an excellent record for successfully completing both engineering and land surveying projects for numerous public entities as well as private developers and construction contractors. Mr. Lindley has 30 years of expertise in many surveying disciplines that include Geodetic Control Surveys, Route and Location Surveys for surface and subsurface mapping of existing utilities for design plan base maps, sketch and legal descriptions for easements and parcel acquisition, Boundary Surveys, Accident Surveys, Wetland Mapping, Stormwater Mapping, Topographic Surveys, Tree Surveys and Platting. Mr. Lindley has extensive Mapping & Computer Automated Drafting experience which allows him to efficiently and accurately complete projects to the high technical standards demanded by our firm.

PROFESSIONAL & COMMUNITY INVOLVEMENT:

Mr. Lindley is active in several state and local societies and programs representing the Land Surveying profession:

Florida Surveying & Mapping Society (FSMS):

- Florida District 6 (Palm Beach County) – Member
- Florida Surveying Technician's Education Training Program Advisory Board (FL Training Services) 2005-2008
- Broward County Chapter - Member

Town of Jupiter: As a resident of the Town of Jupiter, Mr. Lindley has served as a Board Member for the Youth Competitive Volleyball Program (2006-2012)

Shores of Jupiter HOA: Mr. Lindley has served as President of the Board And is responsible for the site related issues within the community (2011-present)

Additional Memberships:

- Greater Deerfield Beach Chamber of Commerce
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors

Experience Highlights

More than 31 years of surveying and mapping experience

Expertise in preparation of survey data for use in land title transfers, platting, design surveys, right-of-way, municipal and environmental mapping

Education

Associate of Science in Land Surveying
Palm Beach Community College, 1990

United States Army Surveyor, 1982-1985

Numerous continuing education seminars in Surveying – 1985-present

Professional Registration

Professional Surveyor & Mapper #5005 – State of Florida, 1991

Professional Surveyor & Mapper #4795 – State of North Carolina, 2009

Professional Affiliations

Florida Surveying & Mapping Society (FSMS)

Palm Beach County Chapter of FSMS

Broward County Chapter of FSMS

Mr. Furniss has over 39 years of experience in Surveying and Mapping and joined Caulfield & Wheeler, Inc. in 2018. He and been providing Land Surveying Services on projects throughout Florida from Baker County in Norther Florida to the Florida Keys. Mr. Furniss currently the Survey Manager for the North Division of Caulfield & Wheeler, Inc. Mr. Furniss has managed a multitude of projects including, project manager for South Florida Water Management surveying services contract, Reviewing Surveyor for multiple municipalities. Mr. Furniss is also very proficient in the use of Civil 3D, CAiCE, FDOT's EFB, CEFB, Trimble GPS Software, Hypack Hydrographic Software and the complete suite of Microsoft Office programs. He has successfully completing land surveying projects for numerous public entities as well as private developers and construction contractors. Mr. Furniss has over 39 years of expertise in many surveying disciplines that include Geodetic Control Surveys, Route and Location Surveys for surface and subsurface mapping of existing utilities for design plan base maps, sketch and legal descriptions for easements and parcel acquisition, Boundary Surveys, Hydrographic Surveys, Wetland Mapping, Stormwater Mapping, Topographic Surveys, Tree Surveys.

Experience Highlights

More than 39 years of surveying and mapping experience

Expertise in preparation of survey data for use in land title transfers, platting, design surveys, right-of-way mapping, hydrographic surveys

Professional Registration

Professional Surveyor & Mapper #6272 – State of Florida, 2001

Professional Affiliations

Florida Surveying & Mapping Society (FSMS)
American Congress of Surveying and Mapping

PROFESSIONAL & COMMUNITY INVOLVEMENT:

Mr. Furniss is active in state and local societies and programs representing the Land Surveying profession:

Florida Surveying & Mapping Society (FSMS):

- Florida District 6 (Palm Beach County) – Member

Additional Memberships:

- American Congress of Surveying and Mapping
- National Society of Professional Surveyors

RAJ KRISHNASAMY, P.E.

Geotechnical Engineering
32 Years of Experience

RELIABLE IN-DEPTH SOLUTIONS
Geotechnical Engineering | Material Testing | Inspection Services

PROFESSIONAL QUALIFICATIONS

EDUCATION

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

PROFESSIONAL ORGANIZATION AND REGISTRATION

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

PROFESSIONAL EXPERIENCE

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

CITY OF HOLLYWOOD PROJECT EXPERIENCE

- Hollywood North Beach Park
- Hollywood Sterling Rd Parcel - Due Diligence
- Terminal 25 Expansion Port Everglades
- TD Bank Hollywood US 441
- Seminole Tribe of Florida - Hollywood WWTP Improvements
- Mast Arms along A1A
- Port Everglades-Chiquita Banana-Container Yard Trailer
- FLL/Hollywood Airport-Terminal 4 Apron Investigation
- FLL Airport Roadway & Garage Signing
- FLL Terminal Connector Bridges
- SR-820 / Pines Blvd / Hollywood Blvd
- Stirling Road & I-95 Lighting Plans
- FCE Store # 1819 - 2600 N. 29th Avenue
- Water Main Replacement
- CVS 5142 – Hollywood Blvd & Park Rd
- Hollywood Chrysler
- CVS Hollywood Blvd. & Park Road

KUMAR VEDULA, P.E.

PRINCIPAL ENGINEER
23 Years of Experience

RELIABLE IN-DEPTH SOLUTIONS
Geotechnical Engineering | Material Testing | Inspection Services

PROFESSIONAL QUALIFICATIONS

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

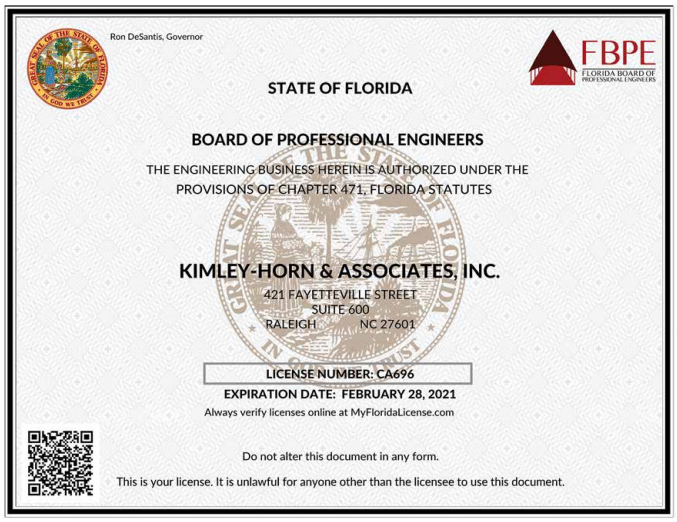
Mr. Vedula, a Florida-Registered Professional Engineer, has over 23 years of experience providing engineering services for a wide variety of geotechnical projects involving foundation design, slope stability analysis, WEAP analysis and interpreting PDA reports, excavation support, and construction inspection. 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 projects 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.

CITY OF HOLLYWOOD PROJECT EXPERIENCE

- Hollywood North Beach Park
- Hollywood Sterling Rd Parcel - Due Diligence
- 1330 Hollywood Residence Addition
- Terminal 25 Expansion Port Everglades
- TD Bank Hollywood US 441
- Mast Arms along A1A
- Ramp at FLL Warehouse
- Port Everglades-Chiquita Banana-Container Yard Trailer
- FLL/Hollywood Airport-Terminal 4 Apron Investigation
- FLL Airport Roadway & Garage Signing
- FLL Terminal Connector Bridges
- SR-820 / Pines Blvd / Hollywood Blvd
- Stirling Road & I-95 Lighting Plans
- FCE Store # 1819 - 2600 N. 29th Avenue
- Water Main Replacement
- 607 N 31st Ave - House Addition
- CVS 5142 – Hollywood Blvd & Park Rd
- Hollywood Chrysler
- CVS Hollywood Blvd. & Park Road

4. Required Documentation

Licenses



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KIMLEY-HORN & ASSOCIATES, INC.
421 FAYETTEVILLE STREET
SUITE 600
RALEIGH NC 27601

LICENSE NUMBER: CA696
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

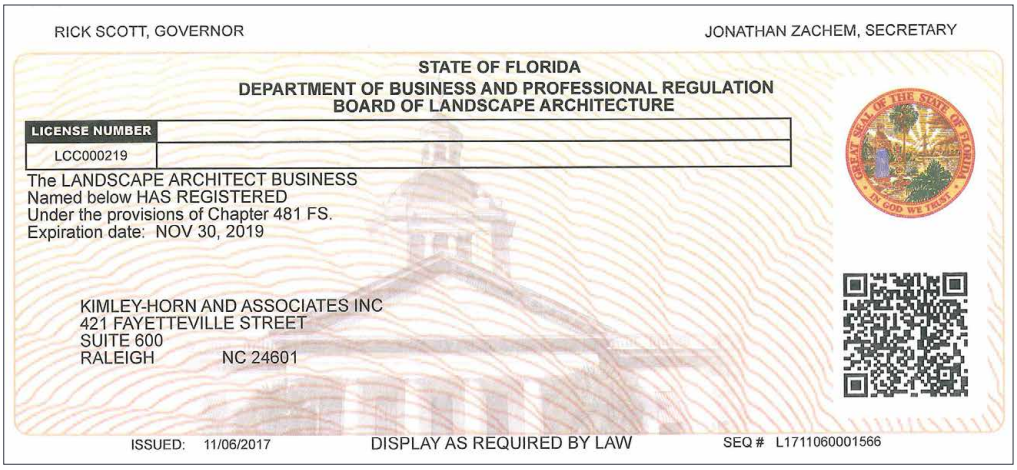
BOARD OF PROFESSIONAL GEOLOGISTS

THE GEOLOGY BUSINESS HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

KIMLEY-HORN AND ASSOCIATES INC
421 FAYETTEVILLE STREET
SUITE 600
RALEIGH NC 27601

LICENSE NUMBER: GB175
EXPIRATION DATE: JULY 31, 2020
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LCC000219

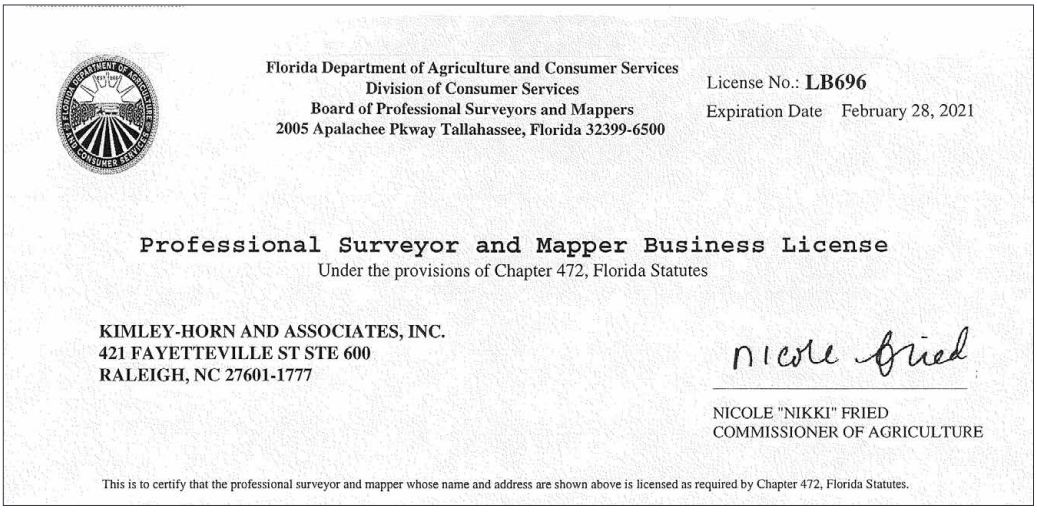
The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019

KIMLEY-HORN AND ASSOCIATES INC
421 FAYETTEVILLE STREET
SUITE 600
RALEIGH NC 24601

ISSUED: 11/06/2017

DISPLAY AS REQUIRED BY LAW

SEQ # L1711060001566



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

License No.: **LB696**
Expiration Date February 28, 2021

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

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

nicole fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

FURSETZER, MATTHEW BERNARD

6160 SHADOW TREE LANE
LAKE WORTH FL 33463

LICENSE NUMBER: PE63997
EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MUFLEH, MARWAN HASHEM

11691 TIMBERWOOD RD
BOCA RATON FL 334280000

LICENSE NUMBER: PE45329
EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

DBPR ONLINE SERVICES

Log On | Home

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent
Invoice & Activity
List Search

Licensee Details

Licensee Information

Name:	CLAVELO, NICHOLAS JOHN (Primary Name)
Main Address:	7197 GOLF COLONY CT UNIT 201 LAKE WORTH Florida 33467
County:	PALM BEACH
License Mailing:	
LicenseLocation:	

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	84366
Status:	Current,Active
Licensure Date:	12/16/2017
Expires:	02/28/2021

Ron DeSantis, Governor

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NG, HOOI GIN

1366 COMMUNITY DRIVE
JUPITER FL 33458

LICENSE NUMBER: PE58123
EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

DBPR ONLINE SERVICES

Log On | Home

10:21:38 AM 8/26/2019

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent
Invoice & Activity
List Search

Licensee Details

Licensee Information

Name:	LOPEZ, SARA CARELLY (Primary Name)
Main Address:	1920 WEKIVA WAY SUITE 200 WEST PALM BEACH Florida 33411
County:	PALM BEACH
License Mailing:	
LicenseLocation:	

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	87388
Status:	Current,Active
Licensure Date:	06/01/2019
Expires:	02/28/2021

Special Qualifications	Qualification Effective
Civil	12/27/2018

Alternate Names

View Related License Information
View License Complaint

Florida dbpr

DBPR ONLINE SERVICES

Log On | Home

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent Invoice & Activity List Search

Licensee Details

Licensee Information

Name:	CHAMBERS, JON SCOTT (Primary Name)
Main Address:	4525 MAIN STREET, SUITE 1000 KIMLEY-HORN AND ASSOCIATES VIRGINIA BEACH Virginia 23462
County:	OUT OF STATE
License Mailing:	
LicenseLocation:	

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	64354
Status:	Current,Active
Licensure Date:	04/21/2006
Expires:	02/28/2021

Commonwealth of Virginia

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS

Let it be known by these presents that

Bryan Scott Larsen

has met the requirements provided for in the Code of Virginia and the regulations of this board, and is therefore authorized to practice in the Commonwealth of Virginia as a

PROFESSIONAL ENGINEER

ISSUED AT RICHMOND, VA.
December 31, 2015
SECRETARY
No 054403

FOR THE BOARD
PRESIDENT

Florida dbpr

DBPR ONLINE SERVICES

Log On | Home

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent Invoice & Activity List Search

2:20:00 PM 9/25/2019

Licensee Details

Licensee Information

Name:	SALLEE, JEFFREY C. (Primary Name)
Main Address:	4225 DERBY WHARF DRIVE VIRGINIA BEACH Virginia 23456
County:	OUT OF STATE
License Mailing:	
LicenseLocation:	

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	76674
Status:	Current,Active
Licensure Date:	10/31/2013
Expires:	02/28/2021

Special Qualifications	Qualification Effective
Electrical & Computer	10/31/2013

Alternate Names

View Related License Information
View License Complaint

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: Customer Contact Center :: Customer Contact Center: 850.487.1395

RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LA6666795

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019

HAIGH, JONATHAN DAVID
1920 WEKIVA WAY
STE 200
WEST PALM BEACH FL 33411

ISSUED: 09/05/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1709050001267

RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LA6667244

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019

RICHTER, TRICIA CHRISTINE
4341 FUSCHIA CIRCLE SOUTH
PALM BEACH GARDENS FL 33410

ISSUED: 10/11/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1710110002495

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LA6667289

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019

FECCIA, STEPHEN
5656 LA QUINTA CT
LAKE WORTH FL 33463

ISSUED: 10/26/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1710260003064

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BEVILACQUA, ANTHONY MICHAEL
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE59262
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LONG, JAMEA POTTER
3439 E MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE58677
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MARAJH, CHELSEA MARIE
168 ALCAZAR STREET
ROYAL PALM BEACH FL 33411

LICENSE NUMBER: PE84300
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

STONE, LISA K.
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE56806
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Subconsultants

Caulfield & Wheeler, Inc.

Ron DeSantis, Governor

FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

CAULFIELD & WHEELER, INC.

7900 GLADES ROAD
SUITE 100
BOCA RATON FL 33434

LICENSE NUMBER: CA3591

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

State of Florida
Department of State

I certify from the records of this office that CAULFIELD & WHEELER, INC. is a corporation organized under the laws of the State of Florida, filed on October 19, 1982.

The document number of this corporation is G04926.

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 January 3, 2019, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Third day of January, 2019

Secretary of State

Tracking Number: CC2115009614

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

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

---

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

License No.: **LS5005**
Expiration Date: February 28, 2021

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

DAVID PAUL LINDLEY
6551 WINDING LAKE DRIVE
JUPITER, FL 33458

nicole fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS6272**
Expiration Date: February 28, 2021

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

RONNIE LEE FURNISS
5292 NW RUGBY DR
PORT SAINT LUCIE, FL 34983-3382

nicole fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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

KEITH

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

License No.: **LB6860**
Expiration Date February 28, 2021

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

KEITH AND ASSOCIATES INC
301 EAST ATLANTIC BLVD
POMPANO BEACH, FL 33060-6643

nicole fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS6805**
Expiration Date February 28, 2021

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

LEE POWERS
301 E ATLANTIC BLVD
POMPANO BEACH, FL 33060-6643

nicole fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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

Tierra South Florida


Ron DeSantis, Governor
Halsey Beshears, Secretary
dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

TIERRA SOUTH FLORIDA, INC.
2765 VISTA PKWY, STE 9
WEST PALM BEACH FL 33411

LICENSE NUMBER: CA26073
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.


Ron DeSantis, Governor
Halsey Beshears, Secretary
dbpr

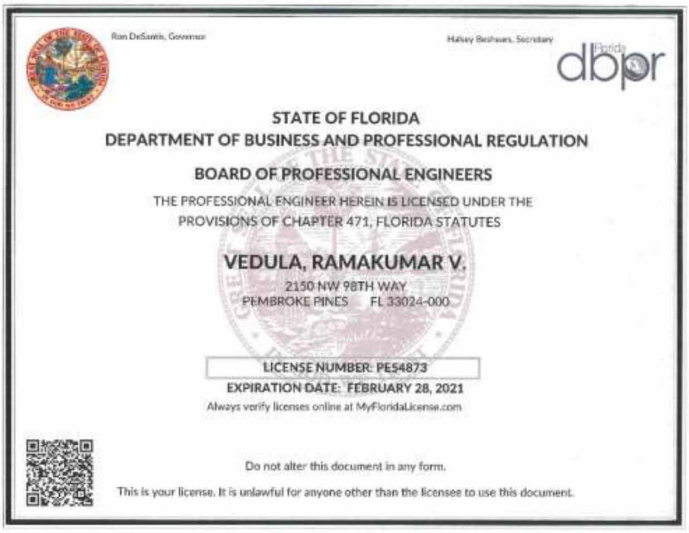
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KRISHNASAMY, RAJ
2765 VISTA PARKWAY, SUITE 9
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE53567
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Tierra (continued)



Ron DeSantis, Governor

Halsey Beshears, Secretary

dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

VEDULA, RAMAKUMAR V.
2150 NW 98TH WAY
PEMBROKE PINES FL 33024-000

LICENSE NUMBER: PE54873
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

State of Florida
Department of State

I certify from the records of this office that TIERRA SOUTH FLORIDA, INC. is a corporation organized under the laws of the State of Florida, filed on October 7, 2003, effective October 17, 2003.

The document number of this corporation is P03000110144.

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 January 2, 2019, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Second day of January, 2019

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Ken Detzner
Secretary of State

Tracking Number: CC3550331283

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

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

Secretary of State

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

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

Insurance

Client#: 25320 KIMLHORN

ACORD™ **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY) 3/26/2019

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

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

PRODUCER	CONTACT NAME: Jerry Noyola
Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): 866-550-4082 E-MAIL ADDRESS: jerry.noyola@greyling.com

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 :	

INSURED
Kimley-Horn and Associates, Inc.
421 Fayetteville Street, Suite 600
Raleigh, NC 27601

COVERAGES CERTIFICATE NUMBER: 19-20 REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Contractual Liab. GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			5268169	04/01/2019	04/01/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $500,000 $25,000 $1,000,000 $2,000,000 $2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY			4489663	04/01/2019	04/01/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
B	UMBRELLA LIAB X OCCUR X EXCESS LIAB / CLAIMS-MADE DED X RETENTION $0			CX005FT19	04/01/2019	04/01/2020	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000
C A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		015893685 (AOS) 015893686 (CA)	04/01/2019 04/01/2019	04/01/2020 04/01/2020	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
D	Professional Liab			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)
Proof of Insurance

CERTIFICATE HOLDER
Sample Certificate

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

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03) 1 of 1 The ACORD name and logo are registered marks of ACORD
#S1529122/M1513917 JNOY1