



The City of Fort Lauderdale

FXE

Taxiway Foxtrot Relocation

CCNA - Solicitation 276-11830



Prepared by:

Kimley»Horn

CAM #17-0229
Exhibit 2
1 of 92

AVAA30009.16

October 26, 2016

Kimley»Horn

Mr. Jim Hemphill
Sr. Procurement Specialist
City of Fort Lauderdale
Procurement Services Division
100 N. Andrews Avenue, Room 619
Fort Lauderdale, Florida 33301

Re: Aviation Engineering – Airport Taxiway Foxtrot Relocation Consultant – Solicitation 276-11830

Dear Mr. Hemphill and Members of the Evaluation Committee:

Kimley-Horn has a long history working with the City of Fort Lauderdale, and in particular with the Executive Airport (FXE). We are proud to have previously served airport staff for 13 years, and together have accomplished many tasks, including airfield pavement rehabilitation for nearly your entire airport. As such, we are excited to submit our qualifications for this important contract.

In addition to the insights we have gained over the many years working with airport staff and the personal relationships built, we know that Kimley-Horn is uniquely qualified to perform the solicited services. When considering whom you would select to be your consultant, we would like to emphasize several key features that separate Kimley-Horn from the competition:

Unparalleled Airfield Experience. No other consultant has better knowledge of FXE's airfield than Kimley-Horn. As previously discussed, we had 13 years of experience serving as your airport's previous general engineering consultant. During that tenure we had been your trusted partner for all the airport's pavement projects including: Runways 8-26 and 13-31, and Taxiways A, B, C, D, E, and G. In 2015 we were selected to design the rehabilitation for the western portion of Taxiway Foxtrot, the companion project to this solicitation and the redevelopment of Sheltair's lease parcel which is located adjacent to Taxiway Foxtrot's proposed relocation.

With Kimley-Horn you get a consultant who will not require a learning curve to solve your challenges. We have firsthand knowledge of all of your airport's pavements and will customize the right pavement design for your airport. This will save time and money during construction.

Grant Writing and Administration. Kimley-Horn has a level and breadth of experience with the FAA that few consultants can provide. Two of our team members, **Carlos Maeda, P.E.** and **Michael Carey, P.E.** were former employees of the FAA. We understand that obtaining successful funding sources is critical to your project. As of 2015, Kimley-Horn has provided assistance to our clients that have resulted in more than \$165.5 million in grants and outside funding. We have developed a resource library of information on state and federal funding sources and will assist you in making the most of available resources. Kimley-Horn staff works hand-in-hand with airports to identify eligible projects, the proper project descriptions, and other grant-required data to provide FAA with all required grant application information. We have also partnered with **Dickey Consulting Services, Inc. (DCS)** to supplement our grant administration services. DCS's responsibilities will include DBE monitoring and reporting during the construction phase.

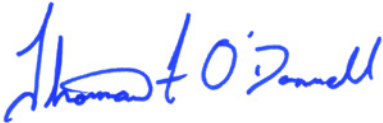
Experienced Project Team. I will serve as the project manager and primary point of contact with FXE staff. I have more than 16 years of experience in airport engineering, which includes all facets of airport development, including extensive knowledge of airfield pavement design, phasing, and construction phase services. I have a proven track record at FXE, putting my experience to use by serving as your airport engineer on several projects including project manager for the Rehabilitation of Taxiways Charlie, Delta, and Foxtrot. I am supported

by a strong team of professionals who have direct experience at FXE: **Michael Carey, P.E.** who has 34 years of experience in aviation planning and engineering and **Eileen Velez-Vega, P.E.** who previously served as your project manager for six years under the General Engineering Consulting contract. Additionally, our electrical subconsultant **Hillers Electrical Engineering, Inc.** has extensive knowledge of your airfield electrical system. ***With Kimley-Horn you get a consultant who understands your airfield's operations. This is critical to properly phasing airfield design and minimize operational impacts to your tenants.*** This will simplify the contractor's activities and result in lower construction costs. We also have an excellent understanding of the City's administrative process as it applies to contracts.

Summary. Our knowledge of your pavements, grant writing and administration, and the team's experience—coupled with the resources of a national leader in aviation consulting make the Kimley-Horn team the right choice to be your consultant. We offer unmatched client service, exceptional resources, commitment to quality, and knowledge of the Airport's goals. We are excited about this contract and genuinely want to serve you.

Very truly yours,

KIMLEY-HORN



Tom O'Donnell, P.E.
Project Manager

Phone: (561) 840-0825

Fax: (561) 863-8175

tom.odonnell@kimley-horn.com



The City of Fort Lauderdale

FXE

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Kimley»Horn

2. EXECUTIVE SUMMARY

Kimley-Horn is proud of the trust Fort Lauderdale Executive Airport has placed in us over the past 13 years. From our variety of aviation services ranging from design, rehabilitation, and relocation of your taxiways and runways, we have developed an unmatched historical knowledge of your airport and strong relationships with your staff and stakeholders.

Our local and national aviation experts stand ready to meet the challenges of relocating Taxiway Foxtrot. Its coordination with two current and neighboring Kimley-Horn-led projects—the rehabilitation of the western portion of Taxiway Foxtrot and the redevelopment of Sheltair to the north—will be vital. This project requires a team with our knowledge, passion, and commitment to you. This submittal highlights all of these features and our approach to a successful project.

Kimley-Horn was founded in 1967 in Raleigh, North Carolina by Bob Kimley and John Horn—two senior engineering professors at North Carolina State University. The expertise of the firm was initially focused on traffic planning and public transportation projects. In the ensuing 49 years, the firm has expanded both geographically and in the variety of planning, engineering, and environmental services that it provides. We have been providing engineering and planning services at airports for more than 38 of those years.

Today, Kimley-Horn is a full-service, multidisciplinary consulting firm with more than 2,800 employees offering a full range of consulting services to local, regional, national, and international clients. In Florida alone, there are more than 530 employees in 14 offices, with more than 25 staff devoted full time to serving our aviation clients. Whether it's runways, roadways, or parking; landside access or environmental studies; operations or technology; the firm's experienced professionals can develop innovative solutions you can rely on. Kimley-Horn offers comprehensive airside and landside services to meet wide-ranging needs at airports large and small. Our staff also has extensive experience and is very familiar with the procedures and requirements of the Federal Aviation Administration (FAA), and the Florida Department of Transportation. Our Florida based aviation personnel include former FAA Orlando Area District Office (ADO) personnel who maintain strong personnel relationships with the ADO staff. We currently serve as an on-call consultant for the FDOT Central Aviation Office, as well as their prime consultant for the Statewide Aviation Pavement Management Program. **In 2016, Kimley-Horn was ranked 7th for airport consulting firms in the nation by Engineering News-Record.**

We are recognized for the outstanding work of our consulting staff, the quality of our work environment, and our stature as a business enterprise. In 2016, Kimley-Horn was recognized as one of *Fortune* magazine's "**100 Best Companies to Work For,**" marking our ninth appearance in the last 10 years;

Engineering News-Record (ENR) annually compiles and publishes the rankings of the 500 largest U.S. design firms (architectural and engineering firms), measured by gross revenues. Kimley-Horn's growth over the years is reflected in its steady rise on ENR's top 500 list. **The firm first appeared on the list in 1981, when it ranked 421st.**

Today, Kimley-Horn ranks **28th overall and 12th among the top 100 "pure design firms."**



this year, we ranked #7. Also *Fortune* ranked us #1 among the “20 Best Workplaces in Consulting & Professional Services” (#1), we were listed on the “Best Places for Millennials,” “Best Places for Diversity,” and “Best Places for Camaderie.” We were also named **Southeast Design Firm of the Year** by *Engineering News-Record (ENR)*. Much of our growth extends from the confidence and trust that clients have in us.

Kimley-Horn has continuously had an office in the Fort Lauderdale area for the past 33 years. We are proud to have worked on projects in Fort Lauderdale and the surrounding communities for many years, and our knowledge and understanding of the area has grown significantly with our decades of service in the community. We are confident that our local presence and sensitivity to the community's concerns will benefit the City by providing you with unmatched accountability, responsiveness, and value.

We pride ourselves in our ability to tailor comprehensive airside and landside services to our clients' needs. Kimley-Horn's approach gives our clients the best of both worlds—the resources of a large, nationally-ranked firm and the personal attention and response of a small dedicated professional team. With both aviation specific engineering and planning services in-house and in Florida, you get the responsiveness, expertise, and experience you need for the Fort Lauderdale Executive Airport.

POINT OF CONTACT

Our project manager, **Tom O'Donnell, P.E.**, will serve as the City of Fort Lauderdale's point of contact. He will be personally responsible and accountable for the success of your project and has access to the full range of technical resources available within Kimley-Horn. In addition, our project team has the experience required to develop appropriate targets, tailor suitable courses of action, and provide timely decision making for any unexpected challenges that may arise.

Kimley-Horn (West Palm Beach Office)

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

Phone: (561) 845-0665

Fax: (561) 863-8175

Email: tom.odonnell@kimley-horn.com

Website: www.kimley-horn.com

Kimley-Horn (Fort Lauderdale Office)

600 North Pine Island Road, Suite 450
Plantation, FL 33324

Phone: (954) 535-5100

Fax: (561) 863-8175

OFFICE LOCATIONS

Kimley-Horn has been in Florida for more than 48 years and understands the importance of timely service, availability, and flexibility. Our philosophy for providing professional services is based on a commitment to effective management and personal service. The ultimate goal of the Kimley-Horn team is to respond to the distinct needs of each locale we serve. We are also very sensitive to the needs and opinions of local businesses and residents, and routinely work with our clients to establish cost-effective and tangible priorities that result in constructible and implementable plans and designs.

Kimley-Horn's West Palm Beach office will serve as the primary office responsible for overseeing the work related to this project in order to maximize our local staff and provide a strong presence from an office located in short proximity to the City. The West Palm Beach office will be assisted by experts in our Fort Lauderdale office. From these locations, we will work diligently; encouraging open communication to keep you informed about project activity and primary schedule achievements. We are committed to working as your partner, offering you the most effective level of communication to relay project issues, progress, and results that best serve your needs in a timely manner. We will work with the City to establish the schedule and scope of work, and serve in close proximity as the direct contact with the City for the duration of the assignment. Additionally, our experts throughout the state are available for technical support to ensure timely completion and fulfillment of project goals.

Corporate Headquarters

421 Fayetteville Street, Suite 600

Raleigh, NC 27601

Phone: (919) 677-2000**Fax:** (919) 677-2050**BUSINESS STRUCTURE**

Kimley-Horn and Associates, Inc. was incorporated on February 10, 1967 in North Carolina and is wholly owned by Associates Group Services, Inc., which is wholly owned by APHC, Inc.

APHC, Inc. is owned by individuals who are Kimley-Horn employees. There are nearly 400 APHC, Inc. shareholders.

Principal Officers:

Brooks H. Peed, Chairman

John C. Atz, CEO, President

Richard N. Cook, Senior Vice President, Secretary

David L. McEntee, Vice President, Treasurer, Assistant Secretary

Directors:

John C. Atz, CEO, President

Barry L. Barber, Senior Vice President

Derrick B. Cave, Senior Vice President

Nicole Kerry, Principal

Steve Lefton, Senior Vice President/Principal

Terence T. Murphy, Senior Vice President

Brooks H. Peed, Executive Vice President

H. Dean Penny, Senior Vice President

Michael G. Schiller, Executive Vice President

Christopher A. Squires, Senior Vice President

G. Bradbury Tribble, Senior Vice President

Deborah L. Wilson, Senior Vice President

Mark S. Wilson, CFO

KEY STAFF

As illustrated in our organizational chart in Section 4, our team includes Kimley-Horn individuals and subconsultant partners who are familiar to FXE staff, including (but not limited to):

Tom O'Donnell, P.E. – *Project Manager***Michael Carey, P.E. – *Principal-in-Charge*****Eileen Velez-Vega, P.E. – *Quality Assurance/Quality Control*****Dickey Consulting Services****Hillers Electrical Engineering****Keith and Associates****Tierra South Florida**

These individuals and firms will provide FXE with the continuity and consistency that will lead to a successful project.

With the Kimley-Horn team, you get a consultant that can help you meet any challenge you face at Fort Lauderdale Executive Airport, one that listens to your needs and delivers solutions to meet those needs.

3. FIRM QUALIFICATIONS AND EXPERIENCE

FIRM QUALIFICATIONS IN REQUESTED SERVICES

Details of our past projects of similar size and scope can be found in the attached SF330.

Taxiway Geometric Design

The geometric design for taxiway relocations requires a thorough understanding of current FAA Advisory Circulars (AC). In September of 2012 the FAA released AC 150/5300-13A Airport Design which revised the guidance for taxiway geometry. Under this new document the FAA provided new geometric requirements for intersecting taxiway fillets and the elimination of direct access from aprons to runways via connecting taxiways. Kimley-Horn has direct airfield experience at FXE as it applies to both these changes. Under the rehabilitation of Taxiway Echo and Foxtrot projects Kimley-Horn was responsible for designing modifications to the exiting taxiway fillets to bring the pavements into compliance with FAA standards. Similarly, under the ongoing redevelopment Sheltair lease area, located adjacent to the proposed relocation Taxiway Foxtrot, Kimley-Horn is proposing the elimination of direct access between the apron and Runway 9-27 via Taxiway D.



Pavement Design

As your trusted partner for the ongoing Taxiway Foxtrot Rehabilitation project, we have gained a superior understanding of the in situ soil conditions, aircraft fleet mix, aircraft operations and traffic forecast. These four elements are necessary to design proposed pavements using the FAA's 3D Rigid and Flexible Iterative Elastic Layered Design (FAARFIELD) software. Under the rehabilitation of Taxiway Foxtrot project, the Kimley-Horn team collected and tested existing soil samples to determine their makeup and bearing capacity. Similarly, using excerpts from the Part 150 Noise Study, we were able to inventory the mix of aircraft and the number of current and planned operations which are performed by north airfield's stakeholders. Understanding this information allowed Kimley-Horn to determine a customized pavement section for FXE and optimize the pavement's useful life. Kimley-Horn's knowledge and experience in this regard will save time during design as the soils, fleet, and operations are expected to be very similar for the relocation of Taxiway Foxtrot.



Airfield Phasing

Airfield pavements must be maintained to protect a safe operating environment for aviation. But whenever a section of pavement must be closed for maintenance, or new pavements are constructed, there is the potential for operational impacts on the airport. Kimley-Horn has successfully completed hundreds of complex airport projects across the country, always working with the airport to minimize the operational impacts at the lowest possible construction costs. The same type of project can be constructed with different phasing sequences to meet individual airport needs—we will work with your staff and stakeholders to customize the right phasing for your project. For instance, the rehabilitation of your Runway 9-27 was accomplished with a full 11-day closure; while for a similar project at the Sarasota Bradenton International Airport the best alternative was for the rehabilitation of Runway 14-32 to have nightly closures, reopening each morning. With Kimley-Horn you get a consultant who understands and listens to your needs.

Construction Administration

From our prior experience working with you we understand that the City typically provides its own inspectors for Construction Administration. However, should the need arise, Kimley-Horn will be there to support you. We are flexible and will scale our services to suite. Should construction phase services be requested, our full service consulting includes comprehensive construction administration services with staff experienced in all types of construction including taxiway construction. Staffing typically includes the engineer of record, a resident project representative, and support staff capable of administering the contract, conformance with FAA Advisory Circulars (and other applicable rules and regulations) and coordinating with all stakeholders. Kimley-Horn has strong experience as an extension of your staff in the field, our construction phase personnel can attend preconstruction conferences and regular project meetings, review and recommend approval of pay applications, review and respond to shop drawings submittals, respond to requests for information, enforce the contract documents, review and respond to change order requests, ensuring DBE requirements and reporting are being met, and all other activities required to make sure that you achieve well-coordinated construction of proposed improvements—on-time and under budget.



Environmental

Florida's natural environment is unique and diverse and environmental regulations are some of the most complex in the nation. Knowing how to successfully navigate the regulatory maze and providing the appropriate level of documentation is critical to successful project implementation. Kimley-Horn has that knowledge through extensive experience working on complex projects throughout Florida. Our approach is to understand our client's business, the regulatory requirements, and build relationships with the regulatory personnel. Our environmental staff knows Florida—they have provided their services from Pensacola to the Florida Keys. Our environmental staff also knows issues specifically associated with aviation projects and the National Environmental Policy Act (NEPA) process. We know the regional issues, and we interact with federal, state, and local government agencies daily. We stay abreast of current environmental regulations and regularly participate in rule making decisions.



Kimley-Horn maintains an experienced team of environmental scientists, geologists, hydrogeologists, biologists, planners, and field technicians with expertise in a wide range of ecological planning and problem-solving services. The firm's in-house capabilities include, but are not limited to:

- NEPA Compliance
- Listed species survey, permitting, biological assessments, biological opinions and habitat management
- Environmental Resource Permitting
- U.S. Army Corps of Engineers (404) Permitting
- Phase I and Phase II Environmental Site Assessments

While it is not anticipated that the relocation of Taxiway Foxtrot will require extensive environmental services with the Kimley-Horn team you get a staff that has a thorough understanding of federal and state environmental regulations.

Grant Writing and Support Services

Kimley-Horn has a level and breadth of experience with the FAA that few consultants can provide. In fact, two of our team members, **Carlos Maeda, P.E.** and **Mike Carey, P.E.**, were former employees of the FAA. We understand that obtaining successful funding sources is critical to your project. As of 2016, Kimley-Horn has provided assistance to our clients that have resulted in more than \$165.5 million in grants and outside funding. We have developed a resource library of information on state and federal funding sources and will assist you in making the most of available resources. Kimley-Horn staff works hand-in-hand with the airports to identify eligible projects and the proper project descriptions and other grant required data to provide FAA with all required grant application information.

Our efforts do not stop with the procurement of a grant. The Kimley-Horn team will serve as an extension of staff during the life of the project providing support and documentation services required under the grant assurances. Kimley-Horn has a long and extensive relationship with both the FAA and FDOT. We understand the minimum standards which must be complied with, the grant assurance which must be followed and the reporting requirements during the life of the grants. We routinely support our airport clients with needed grant support activities including on-line reporting and closeout documents.

Sustainable Design and Green Building Principles for Aviation

We are committed to assisting our clients with sustainable design and green building principles and applying them to projects whenever practicable and in our client's best interest. Kimley-Horn is nationally recognized for our leadership in the realm of sustainable design—we are ranked #41 on the *Engineering News-Record* 2016 rankings of **Top 100 Green Design Firms**. We have proven that commitment with the construction of our own Vero Beach, Florida office that received the Silver LEED certification. As for our commitment in applying sustainability to airports, we have been an active participant with the formation of the Sustainable Aviation Guidance Alliance (SAGA) formed by ACI, ACC, and AAAE. The SAGA group was formed to assist airport operators of all sizes in planning, implementing, and maintaining a sustainability program. A searchable database has been compiled by SAGA and provides ideas for hundreds of sustainable practices at airports in areas such as stormwater management, water efficiency, landscape and exterior design, materials and resources, and construction practices.



An example of services being applied to a project can be exemplified by Kimley-Horn's work in Tallahassee. As a general consultant to Tallahassee Regional Airport, we have worked with their staff to handle a wide variety of issues ranging from airfield pavements to pavement management to traffic and development of regional impact (DRI) issues. When they asked Kimley-Horn to prepare construction plans for rehabilitating the north and old terminal aprons, they gave us a project that had some very different pavements to deal with. Of the 14.65-acre apron, almost half was old 16-inch-thick concrete overlaid with 3 inches of asphalt. Rather than remove it and start over, Kimley-Horn's plans called for the concrete to be rubblized in place and reused it as a new base course. Rubblization minimizes delays for airport tenants and operations, and is a very cost-effective technique compared to typical reconstruction options. It also reuses a material that would otherwise end up in the landfill and avoid the environmental impacts of removing the concrete and replacing it with virgin material. The project was completed on time and within budget and in August 2010, Ken Austin, the former Airport Director, accepted the first Florida Airport Council Environmental Award for Air Carrier Airports for the project.



Why Team with Kimley-Horn?

Kimley-Horn is a full-service consulting firm with 78 offices located across the nation. Our professionals provide local knowledge backed by the comprehensive resources and talented staff only a national firm can offer. Listed below are just some of the reasons to team with Kimley-Horn:

- ❖ The continuity of 13 years' worth of design experience at your airport. Our team consists of professionals which have served your airport during the entire duration of our previous contracts.
- ❖ Kimley-Horn is your current consultant on the rehabilitation of the western portion of Taxiway Foxtrot. Our team will ensure continuity between the eastern and western portions of the taxiway.
- ❖ You will continue to have an experienced, client-oriented project manager to serve you. Tom O'Donnell, P.E., will be accessible and accountable to you throughout this contract.
- ❖ You will be served by a team of pavement experts who perform this type of work every day. Furthermore, we have been trusted by the state to evaluate nearly all of their general aviation airport's pavements for the last seven years.
- ❖ Your budget is important to us. We consistently complete projects on time and on budget.
- ❖ We are a small enough firm to provide you with the individual attention you deserve, yet large enough to tackle even the most complex project.

Honesty, integrity, ethics, and exceptional client service are more than just our core values; they are a way of life at Kimley-Horn.

Budget and Cost Control

The projects presented in the attached SF 330 represent just a small sample of our experience. While impressive on their own, the true measure of success is not just producing plans, but producing plans that can be successfully constructed on time and in budget. The seven runway, seven taxiway and one ramp project shown in the following table and completed at Fort Lauderdale Executive (FXE), Tallahassee International Airport (TLH), Sarasota-Bradenton International Airport (SRQ), and Naples Municipal Airport (APF) since 2001 are true evidence of our success in helping our clients control the costs of their projects. Plans were completed in a manner that was easy to understand and construct. Construction was

carefully monitored and records kept, resulting in a final aggregate construction cost of 6.2% below the initial bid prices. The results speak for themselves; with Kimley-Horn, you get a team that knows how to control cost, both during design and construction.

Airport	Project	Date	Bid Price	Final Price	Variance	# Of CO
FXE	Runway 8-26 & Hotel Relocation	2004	\$ 4,166,224.00	\$ 3,836,244.00	\$ (329,980.00)	2
FXE	Runway 13/31 Rehabilitation	2007	\$ 2,180,311.00	\$ 2,195,900.00	\$ 15,589.00	1
FXE	Taxiway Alpha Relocation	2009	\$ 9,019,352.00	\$ 8,455,396.00	\$ (563,956.00)	3
FXE	Taxiway Bravo	2010	\$ 2,659,815.20	\$ 2,487,165.74	\$ (172,649.46)	1
FXE	Taxiway Charlie/Delta	2013	\$ 1,471,783.80	\$ 1,346,384.85	\$ (125,398.95)	1
TLH	North Apron/Old Terminal Apron	2010	\$ 2,334,875.00	\$ 2,288,244.82	\$ (46,630.18)	2
SRQ	Extension of Runway 14-32	2001	\$ 11,748,692.00	\$ 11,824,917.00	\$ 76,225.00	5
SRQ	Runway 14-32 Center Section Rehabilitation	2007	\$ 5,649,924.00	\$ 5,402,126.00	\$ (247,798.00)	1
SRQ	Taxiway Echo	2004	\$ 788,958.00	\$ 712,991.00	\$ 75,967.00)	2
SRQ	Taxiway Juliet	2005	\$ 1,321,770.00	\$ 1,278,087.00	\$ (43,683.00)	2
SRQ	Runway 4-22 Rehabilitation	2009	\$ 1,949,187.00	\$ 1,551,126.00	\$ (398,061.00)	1
SRQ	Taxiway Bravo South	2011	\$ 1,797,842.00	\$ 1,738,884.00	\$ (58,958.00)	3
APF	Taxiway Alpha East	2009	\$ 722,169.00	\$ 652,250.00	\$ (69,919.00)	2
APF	Taxiway Alpha West	2010	\$ 1,430,495.00	\$ 846,790.00	\$ (583,705.00)	4
APF	GA Ramp	2009	\$ 3,255,963.00	\$ 2,546,931.00	\$ (709,032.00)	4
APF	Runway 5/23 Rehabilitation	2010	\$ 1,994,085.00	\$ 1,868,294.00	\$ (125,791.00)	3
APF	Runway 5-23 Threshold improvements	2011	\$ 2,408,000.00	\$ 2,452,264.00	\$ 44,264.00	4
TOTAL			\$ 54,899,446.00	\$ 51,483,995.41	\$ (3,415,450.59)	
VARIANCE % CHANGE					-6.22%	

LICENSES/CERTIFICATIONS – KIMLEY-HORN AND ASSOCIATES, INC.

State of Florida
Board of Professional Engineers
Attests that
Kimley-Horn & Associates, Inc.

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2017
Audit No: 228201702724

CA Lic. No: 696

RICK SCOTT, GOVERNOR KEN LAWSON, 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, 2017

KIMLEY-HORN AND ASSOCIATES INC
P O BOX 33068
RALEIGH NC 276363068

ISSUED: 11/04/2015 DISPLAY AS REQUIRED BY LAW SEQ # L1511040001291

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6590

License No: LB696
Expiration Date February 28, 2017

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

KIMLEY-HORN AND ASSOCIATES, INC.
3001 WESTON PKWY
CARY, NC 27513-2301

ADAM H. PUTNAM
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 KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER
GB175

The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2018

KIMLEY-HORN AND ASSOCIATES INC
5302 FAYETTEVILLE STREET
SUITE 600
RALEIGH NC 27601

ISSUED: 07/25/2016 DISPLAY AS REQUIRED BY LAW SEQ # L1607250001560

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, 2016, that its most recent annual report/uniform business report was filed on January 28, 2016, 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 Eighteenth day of May, 2016

Ken Detjen
Secretary of State

Tracking Number: CU4949004970

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Detach and display the Local Business Tax Certificate below. Renew and display current certificate annually.

City of Plantation
LOCAL BUSINESS TAX CERTIFICATE

Certificate # 153297
Account # OC14-0075

Valid from 10/01/2015 to 09/30/2016

Classification: (26)j Administration/Management Office

Business Name & Address:
KIMLEY-HORN AND ASSOCIATES, INC
600 N PINE ISLAND RD #450
PLANTATION FL 33324

THIS CERTIFICATE MUST BE CONSPICUOUSLY DISPLAYED

Susan K. Slattery
CITY CLERK SIGNATURE

NOTICE: If Business is sold this Certificate must be transferred within 10 days or it becomes null and void.

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100 Ft. Lauderdale, FL 33301-1895 - 954-831-4000
VALID OCTOBER 1, 2015 THROUGH SEPTEMBER 30, 2016

DBA: KIMLEY-HORN & ASSOCIATES INC
Business Name: KIMLEY-HORN & ASSOCIATES INC
Owner Name: KIMLEY-HORN & ASSOCIATES INC
Business Location: 600 N PINE ISLAND RD #450
Business Phone: 954-739-2233

Receipt # 377-32519
Business Type: (26)j ADMIN/ MGMT
Business Opened: 02/01/1984
State/Cert/Reg: Exemption Code:

Rooms		Seats		Employees		Machines		Professionals	
Number of Machines:	Transfer Fee	NDF Fee	Penalty	Prior Years	Collection Cost	Total Paid			
43-00	0-00	0-00	0-00	0-00	0-00	43-00			

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT
WHEN VALIDATED

Mailing Address:
KIMLEY-HORN & ASSOCIATES INC
PO BOX 33068
RALEIGH, NC 27636

Receivng: 8996-14-00128433
Paid: 09/09/2015 43-00

2015 - 2016

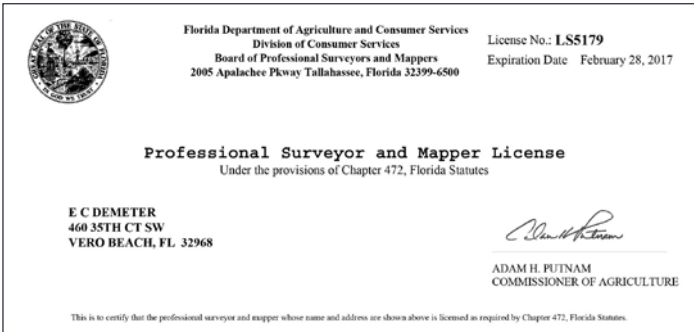
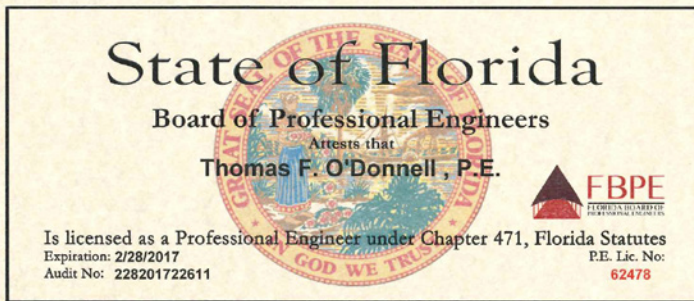
U.S. Green Building Council
Kimley-Horn and Associates, Inc.
Member Since 2006

THE U.S. GREEN BUILDING COUNCIL IS THE NATION'S FOREMOST COALITION OF LEADERS WORKING TO TRANSFORM THE WAY BUILDINGS AND COMMUNITIES ARE DESIGNED, BUILT AND OPERATED, ENABLING AN ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE, HEALTHY, AND PROSPEROUS ENVIRONMENT THAT IMPROVES THE QUALITY OF LIFE.

Robert D. Horn
Chairman

R.
U.S. Green Building Council

Kimley-Horn's Staff Licenses



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File a Complaint
ABST Delinquent
Inquire & Activity
List Search

DBPR ONLINE SERVICES

Licensee Details	
License Information	
Name:	JOYNER, JOHN E. III (Primary Name)
Main Address:	18700 HALLINGDALE CT. RALEIGH North Carolina 27614
County:	OUT OF STATE
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	69346
Status:	Current/Active
Licensure Date:	02/24/2009
Expires:	02/28/2017
Special Qualifications	
Electrical & Computer	Qualification Effective
Advanced Building Code Course Credit:	06/30/2016



The City of Fort Lauderdale

FXE

Taxiway Foxtrot Relocation

CCNA - Solicitation 276-11830

STANDARD FORM 330

Kimley»Horn

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Fort Lauderdale Executive Airport Taxiway Foxtrot Relocation Consultant

2. PUBLIC NOTICE DATE

9/21/2016

3. SOLICITATION OR PROJECT NUMBER

Solicitation 276-11830

B. ARCHITECT – ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Tom O'Donnell III, P.E., Engineer

5. NAME OF FIRM

Kimley-Horn and Associates, Inc.

6. TELEPHONE NUMBER

561-845-0665

7. FAX NUMBER

561-863-8175

8. E-MAIL ADDRESS

tom.ODonnell@kimley-horn.com

C. PROPOSED TEAM

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

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	☒			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	600 North Pine Island Road, Suite 450 Plantation, FL 33324	Principal-in-Charge, Construction Phase Services/Bidding Assistance, General Engineering
b.	☒			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	1920 Wekiva Way Suite 200 West Palm Beach, FL 33411	Project Management, Construction Phase Services/Bidding Assistance, General Engineering
c.	☒			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	1615 S. Congress Ave., Suite 201 Delray Beach, FL 33445	Environmental Services, Permitting
d.	☒			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	3660 Maguire Blvd., Suite 200 Orlando, FL 32803	Grant Support, DBE Support
e.	☒			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	445 24th Street, Suite 200 Vero Beach, FL 32960-5169	Airport GIS
f.	☒			Kimley-Horn Puerto Rico, LLC (KHPR) ☒ CHECK IF BRANCH OFFICE	Millennium Park Plaza, Suite 435 Metro Office Park #15 Second Street Guaynabo, PR 00968	Quality Assurance/Quality Control, Pavement Design

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (REV. 3/2013) PAGE 1

C. PROPOSED TEAM

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

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V	SUBCONTRACTOR			
g.	X			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	1855 W. Baseline Road, Suite 200 Mesa, AZ 85202	Pavement Design
h.	X			Kimley-Horn and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	421 Fayetteville Street Suite 600 Raleigh, NC 27601	Electrical Design
i.			X	Dickey Consulting Services, Inc. ☐ CHECK IF BRANCH OFFICE	1033 NW 6th Street Suite 206 Fort Lauderdale, FL 33311	Public Involvement/Public Relations
j.			X	Keith & Associates, Inc. ☐ CHECK IF BRANCH OFFICE	301 East Atlantic Boulevard Pompano Beach, FL 33060	Surveying and Mapping
k.			X	Hillers Electrical Engineering, Inc. ☐ CHECK IF BRANCH OFFICE	23257 State Road 7 Suite 100 Boca Raton, FL 33428	Electrical Engineering
l.			X	Tierra South Florida, Inc. ☐ CHECK IF BRANCH OFFICE	2765 Vista Parkway Suite 9 West Palm Beach, FL 33411	Geotechnical
m.				CHECK IF BRANCH OFFICE		
n.				CHECK IF BRANCH OFFICE		
o.				CHECK IF BRANCH OFFICE		
p.				CHECK IF BRANCH OFFICE		



Project Manager

Quality Assurance/ Quality Control

Eileen Velez-Vega, P.E.

Project Manager

Tom O'Donnell, P.E.

Principal-in-Charge

L. Michael Carey, P.E.

Support Services

Grant Support

Sheryl Dickey (DCS)
Carlos Maeda, P.E. (KHA)

Surveying/ Subsurface Utility Exploration

Tim Gray, PSM (KA)
Daniel Checchia (KA)

Geotechnical/Material Testing Services

Raj Krishnasamy, P.E. (TSF)
Francois Thomas, P.E. (TSF)
Ramakumar Vedula, P.E. (TSF)

DBE Support

Sheryl Dickey (DCS)
Carlos Maeda, P.E. (KHA)

Airport GIS

Chris Demeter, PSM (KHA)
Lee Powers, PSM (KA)

General Engineering

Airfield

Tom O'Donnell, P.E. (KHA)
Mike Carey, P.E. (KHA)
Julia Focaracci, E.I. (KHA)

Electrical Design

Paul Hillers, P.E. (HEE)
Amy Champagne-Baker, P.E. (HEE)
James Kappes, P.E. (HEE)
Ed Joyner, P.E. (KHA)

Pavement Design

Eileen Velez-Vega, P.E. (KHA)
Mike Norby (KHA)

Construction Phase Services/ Bidding Assistance

Tom O'Donnell, P.E. (KHA)
Julia Focaracci, E.I. (KHA)
Mark Luther, P.E. (HEE)

Environmental Services

Brady Walker (KHA)
Meredith Aiken (KHA)

Permitting - Environmental

Brady Walker (KHA)

Drainage Services

Stefano Viola, P.E. (KHA)
Britt Stephens, P.E. (KHA)
Jon Martin, P.E. (KHA)

LEGEND

KHA	Kimley-Horn and Associates, Inc.
DCS	Dickey Consulting Services, Inc. (DBE), (MBE)
HEE	Hillers Electrical Engineering, Inc.
KA	Keith and Associates, Inc. (DBE)
TSF	Tierra South Florida, Inc. (DBE), (MBE)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Tom O'Donnell III, P.E.	13. ROLE IN THIS CONTRACT Project Manager; Construction Phase Services/ Bidding Assistance; General Engineering	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 16</td> <td>b. WITH CURRENT FIRM 16</td> </tr> </table>		a. TOTAL 16	b. WITH CURRENT FIRM 16
a. TOTAL 16	b. WITH CURRENT FIRM 16				
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., West Palm Beach, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science / Civil Engineering / University of Florida / 2000		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Professional Engineer / 62478 / 2005			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Tom is a licensed Professional Engineer in Florida with more than 16 years of experience providing planning, design, and zoning services for various municipal civil and structural engineering projects. He has a diverse background of knowledge spanning from structural engineering to aviation design. He has a thorough knowledge of FAA standards and has been responsible for performing several obstruction evaluation and airspace analysis (Part 77).					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Taxiway Foxtrot- Fort Lauderdale Executive Airport (FXE) Fort Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for the rehabilitation of pavement for Taxiway Foxtrot. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Taxiway Echo Pavement Evaluation and Rehabilitation, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable)
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer. Kimley-Horn team that provided design services, including pavement structural design and evaluation, plans preparation, cost estimates, technical specifications, engineers report, and bid phase services for this project. Taxiway Echo is 6,200 feet long and 50-feet wide serving as the secondary parallel to primary Runway 8-26. The project consisted of updating taxiway geometry per FAA AC 150/300-13A design standards.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Runway 8-26 Rehabilitation and Taxiway Hotel Relocation Fort Lauderdale, FL	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If Applicable) 2004
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for the design and construction phase services for the rehabilitation of Runway 8-26 and the relocation of Taxiway Hotel. The project was initiated with a stakeholder meeting to determine the preferred sequence of construction. The decision was made to shut down the runway for a 10-day period to allow construction to be completed in the shortest amount of time possible. The project included the rehabilitation of the entire runway, construction of new blast pads at both ends, and relocation of portions of Taxiway Hotel to straighten the alignment.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Daytona Beach International Airport, Taxiway Y, W2, and E2, Daytona Beach, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) 2014
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager. Kimley-Horn provided construction phase services for the construction of Taxiways Y, W2, and E2 at the Daytona Beach International Airport. Construction included reducing the confusion related to the signage at the intersection of Taxiway Whiskey and Taxiway Sierra by adding signage and markings, constructing a cutover Taxiway Y connecting Taxiway S and W, and relocating Taxiways W2 and E2. Responsibilities included reviewing shop drawings, change order requests, and requests for information.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Tampa International Airport, Airfield Pavement Rehabilitation, FY 15, 16, and 17, Tampa, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer. Kimley-Horn provides professional design services for HCAA's airfield pavement rehabilitation program at Tampa International Airport. Services under this contract include the design to remove, rehabilitate, and reconstruct taxiway, taxilane, and apron asphalt and concrete pavements as well as improve pavement markings located throughout the airfield. Others services will include electrical, drainage, construction inspection, cost estimating, scheduling, surveying geotechnical, and materials testing. Kimley-Horn has been assigned two task orders with HCAA—east airfield pavement rehabilitation and removal and remarking of taxiway and taxilane markings within the airfield movement area.	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Mike Carey, P.E.	13. ROLE IN THIS CONTRACT Principal-in-Charge; General Engineering	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 37</td> <td>b. WITH CURRENT FIRM 13</td> </tr> </table>		a. TOTAL 37	b. WITH CURRENT FIRM 13
a. TOTAL 37	b. WITH CURRENT FIRM 13				
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Plantation, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science / Civil Engineering / Clemson University / 1979		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Professional Engineer / 35487 / 1985			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mike is responsible for helping oversee the firm's growing aviation practice in South Florida and statewide. He has 37 years of civil engineering and project management experience with a specialty emphasis on program management and airside/landside design and rehabilitation services for general aviation and air carrier airports.					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Taxiway Foxtrot- Fort Lauderdale Executive Airport (FXE) Fort Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-in-Charge for the rehabilitation of pavement for Taxiway Foxtrot. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping.		
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Runway 8-26 Rehabilitation and Taxiway Hotel Relocation Fort Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004	CONSTRUCTION (If Applicable) 2004
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for the design and construction phase services for the rehabilitation of Runway 8-26 and the relocation of Taxiway Hotel. The project was initiated with a stakeholder meeting to determine the preferred sequence of construction. The decision was made to shut down the runway for a 10-day period to allow construction to be completed in the shortest amount of time possible. The project included the rehabilitation of the entire runway, construction of new blast pads at both ends, and relocation of portions of Taxiway Hotel to straighten the alignment.		
(1) TITLE AND LOCATION (City and State) Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-in-Charge. Sheltair selected Kimley-Horn as its civil engineering consultant to design, permit, bid, and administer construction phase services for its new FBO at FXE. Basis for selection included Kimley-Horn's existing relationship with Airport staff going back 12 years and its institutional knowledge of the Airport property and local permitting requirements. The project consists of a combination of offices, hangars, and a fixed base operator (FBO) with associated drive aisles, parking, aprons, and site utilities located adjacent to primary Runway 9-27 at FXE. The facility is anticipated to be approximately 29,651 square feet of office and FBO building area, 11,300 square feet of workshops, 157,976 square feet of hangar area, and 20.15 acres of associated site work.		
(1) TITLE AND LOCATION (City and State) Pompano Beach Airpark Taxiway Kilo Pompano Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) 2015
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for the relocation for Taxiway Kilo. This project, completed in 2015 at a cost of \$3.0 million, relocated the taxiway to provide sufficient runway/taxiway clearance to Runway 10-28.		
(1) TITLE AND LOCATION (City and State) Tampa International Airport, Airfield Pavement Rehabilitation, FY 15, 16, and 17, Tampa, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer. Kimley-Horn provides professional design services for HCAA's airfield pavement rehabilitation program at Tampa International Airport. This project includes the rehabilitation of a substantial portion of the pavements east of Runway 1R/19L. This work is being performed due to the poor condition of the pavements and recent FAA Advisory Circular changes that affected pavement geometry. The project includes the rehabilitation of Taxiway E north of Taxiway J and connector Taxiway U to Runway 1R/19L. Work also will include the rehabilitation of Taxiways G, N-1, and S as well as the replacement of the connector taxiways to the FBO apron and rehabilitation of portions of the apron itself. Additionally, the project includes the removal of Taxiways H and F.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eileen Velez-Vega, P.E.	13. ROLE IN THIS CONTRACT Quality Assurance/ Quality Control; Pavement Design	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 12</td> <td>b. WITH CURRENT FIRM 10</td> </tr> </table>		a. TOTAL 12	b. WITH CURRENT FIRM 10
a. TOTAL 12	b. WITH CURRENT FIRM 10				
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn Puerto Rico, LLC (KHPR), Guaynabo, PR					
16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Science / Civil Engineering / Mississippi State University / 2009 Bachelor of Science / Civil Engineering / University of Puerto Rico / 2003		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Professional Engineer / 68333 / 2008 PR / Professional Engineer / 22544 / 2010			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>Eileen is a professional engineer in the firm's aviation division. She has 12 years of experience and specializes in pavement management, design, and non-destructive testing and evaluation. Her experience also includes project management of airfield projects including pavement grading, geometry, phasing, cost estimates, and technical specifications, as well as bid phase services, pavement design, pavement management, and inspection for construction services.</i>					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
(1) TITLE AND LOCATION (City and State) Taxiway Foxtrot- Fort Lauderdale Executive Airport (FXE) Fort Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. QA/QC reviewer for the rehabilitation of pavement for Taxiway Foxtrot. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping.		
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Taxiway Golf Relocation Fort Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable) 2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Project manager. Kimley-Horn provided professional engineering services for design of a relocated Taxiway Golf to include demolition of the existing taxiway; grading and drainage; paving of the new taxiway; pavement markings; lighting and signage; turfing; and associated work. In adherence to FAA Advisory Circulars for runway safety requirements. Estimated construction value at \$2.3 million.		
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Runway 8-26 Rehabilitation and Taxiway Hotel Relocation Fort Lauderdale, FL	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If Applicable) 2004
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Project analyst for the design and construction phase services for the rehabilitation of Runway 8-26 and the relocation of Taxiway Hotel. The project was initiated with a stakeholder meeting to determine the preferred sequence of construction. The decision was made to shut down the runway for a 10-day period to allow construction to be completed in the shortest amount of time possible. The project included the rehabilitation of the entire runway, construction of new blast pads at both ends, and relocation of portions of Taxiway Hotel to straighten the alignment.		
(1) TITLE AND LOCATION (City and State) Tampa International Airport, Airfield Pavement Rehabilitation, FY 15, 16, and 17, Tampa, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Project Engineer. Kimley-Horn provides professional design services for HCAA's airfield pavement rehabilitation program at Tampa International Airport. This project includes the rehabilitation of a substantial portion of the pavements east of Runway 1R/19L. This work is being performed due to the poor condition of the pavements and recent FAA Advisory Circular changes that affected pavement geometry. The project includes the rehabilitation of Taxiway E north of Taxiway J and connector Taxiway U to Runway 1R/19L. Work also will include the rehabilitation of Taxiways G, N-1, and S as well as the replacement of the connector taxiways to the FBO apron and rehabilitation of portions of the apron itself. Additionally, the project includes the removal of Taxiways H and F.		
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Taxiway Golf Relocation Fort Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Project engineer. Kimley-Horn provided professional engineering services for design of a relocated Taxiway Golf to include demolition of the existing taxiway; grading and drainage; paving of the new taxiway; pavement markings; lighting and signage; turfing; and associated work. In adherence to FAA Advisory Circulars for runway safety requirements. Estimated construction value at \$2.3 million.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Carlos Maeda, P.E.	13. ROLE IN THIS CONTRACT Grant Support/DBE Support	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 36</td> <td>b. WITH CURRENT FIRM 6</td> </tr> </table>		a. TOTAL 36	b. WITH CURRENT FIRM 6
a. TOTAL 36	b. WITH CURRENT FIRM 6				
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Orlando, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Science / Management / Troy State University / 1988 Bachelor of Science / Civil Engineering / University of Puerto Rico / 1978		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Professional Engineer / 41381 / 1989 PR / Professional Engineer / 24769 / 2010			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Carlos has 36 years of progressively responsible experience in aviation, transportation and public infrastructure projects, planning, design, and construction management. His professional background includes administrative management and business development, in addition to technical experience. He served with the Federal Aviation Administration (FAA) as program manager, technical expert, and principal advisor and has been a tireless advocate for his clients to obtain additional funds from the FAA's Airport Improvement Program (AIP).					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Pompano Beach Airpark Taxiway Kilo, Pompano Beach, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) 2015
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided FAA technical support and permitting support for the reconstruction of Taxiway Kilo. The project included the relocation of Taxiway Kilo to meet current FAA Design Standards. The taxiway is parallel to Runway 10-28 and is integral to the flow of traffic into and out of the south side of the airport.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Aerostar, Runway 8/26 Rehabilitation at San Juan Luis Munoz Marin International Airport, San Juan, PR	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) Ongoing
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project director for the Kimley-Horn team provided design of the pavement rehabilitation of Runway 8/26 and associated taxiway connectors. The project consisted of the rehabilitation of the center 9,300 feet of Runway 8/26, the taxiway connectors, and electrical work. The project included the mill and overlay of asphalt pavement on the runway and concrete rehabilitation work on the taxiway connectors as well as associated lighting and electrical work, pavement markings, grading, phasing as well as cost estimates, technical specifications and bidding assistance.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Daytona Beach International Airport General Consulting Services Daytona Beach, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer. Kimley-Horn was selected to provide on-call services on an as-needed basis to the County of Volusia and Daytona Beach International Airport staff. These services will be provided across all disciplines, including civil engineering, aviation planning, architecture, cost estimating, and project management over the duration of the contract (2011-2015). Tasks include preparation of an ALP amendment; hangar feasibility analysis; airspace assessment for new developments; federal and state funding assistance and grant assurances; cargo facility analysis; independent fee reviews; miscellaneous civil engineering improvements; and pavement inspection, strength analysis, and recommendations.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Pompano Beach Air Park, Taxiway G Grant Assistance, Pompano Beach, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided FAA technical support and grant support for the Relocation of Taxiway G. Kimley-Horn completed design of the Extension of Taxiway G in mid-2015. After discussions with the FAA's district office revealed that the project was a low priority for funding, the City asked Kimley-Horn to produce a brochure demonstrating the project's benefits to air travel and the surrounding community. The key to the brochure was explaining complex aviation concepts to the public. Kimley-Horn identified 15 safety enhancements included in the project.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Broward County Airport Planning Consultant Services Broward County, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Quality assurance/quality control reviewer. Kimley-Horn was selected as the prime consultant to lead the comprehensive airport planning services for Broward County Aviation Department (BCAD). The Kimley-Horn team is providing a wide range of professional and technical services in support of BCAD's airside, landside, and facilities planning initiatives. Project assigned to date include: North Perry Airport Interactive Airport Layout Plan/Three-Dimensional Airspace Analysis Programs (iALP/3DAAP), Review of Airports GIS Project, Port Everglades (PEV) Airspace Analysis, and North Perry Airport Runway Safety Enhancements EA.	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Chris Demeter, PSM	13. ROLE IN THIS CONTRACT Airport GIS	14. YEARS EXPERIENCE a. TOTAL 31 b. WITH CURRENT FIRM 20	
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Vero Beach, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Arts / History/Political Science / Hiram College / 1986		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Pro Surveyor & Mapper / 5179 / 1993	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>Chris has 31 years of land surveying and mapping experience, including the coordination and execution of boundary retracement, conventional topographic, aerial photogrammetric control, ALTA/ACSM Land Title Surveys, and as-built surveys. He has worked on projects throughout the state, and as a result, possesses knowledge of local governments in the majority of Florida's counties.</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Fort Lauderdale Executive Airport (FXE) General Engineering Consultant, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Served as project surveyor on the Kimley-Horn team retained by the City of Fort Lauderdale under a general services contract for their Executive Airport. Responsibilities included preparation of boundary retracement surveys, improvement location and mapping, lease parcel delineation in accordance with FAA regulations, taxiway and runway mapping, and the topographic mapping of 36 individual wayfinding sign sites throughout the Airport vicinity.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Airports Geographic Information System (AGIS), St. Pete-Clearwater International Airport, Clearwater, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If Applicable)
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Received airside safety training and security badging through the Airport Operations Department for field and office personnel. Performed a field survey of Runway 9-27 in accordance with FAA Circular AC 150/5300-18B (AC-18B) General Guidance and Specifications for Aeronautical Surveys: Airport Survey Data Collection and Geographic Information System Standards. Field data was processed using Trimble Access and AutoCAD Civil 3D software. The processed data was then converted into shape files and attributes were added in accordance with AC-18B. During this time, Kimley-Horn had constant coordination with Airport staff, the National Geodetic Survey (NGS) Office, and the FAA. Deliverables were uploaded to the AGIS website and approved by the NGS and the FAA.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) NASA - Kennedy Space Center Miscellaneous Surveying Projects Cape Canaveral, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor for the Kimley-Horn team that is serving as a subconsultant to another firm and providing surveying services for various projects at the Kennedy Space Center. To date, we have completed the following: Industrial Area Chiller Plant (IACP) Topographic Survey. This survey consisted of the horizontal and vertical location of the existing improvements in the area of the IACP the Cooling Tower to be replaced, Substation 119 to be replaced and the proposed new tank location. The topographic survey was performed in accordance with the Florida Minimum Technical Standards and will be referenced to the Florida State Plane Coordinate System East Zone. All elevations will be referenced to NAVD 88. Elevations were obtained at 50-foot intervals and grade changes. Surface evidence of underground improvements was located and shown on the digital base map.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) St. Petersburg-Clearwater International Airport Runway 4-22 Rehabilitation, Clearwater, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable) 2013
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor involved with the airport geographic information systems (AGIS) work being performed by the Kimley-Horn team as part of the construction phase services for Runway 4-22 rehabilitation. This project also includes pavement rehabilitation, drainage system modifications, and a new airfield electrical system. As part of the project, Kimley-Horn prepared a length-width and cost analysis to determine final runway dimensions, as well as correct off-site drainage problems affecting the outfall of the runway drainage system. This project includes the rehabilitation of Runway 4-22, including pavement rehabilitation, drainage system modifications, and a new airfield electrical system. As part of the project, Kimley-Horn prepared a length-width and cost analysis to determine final runway dimensions, as well as correct off-site drainage problems affecting the outfall of the runway drainage system. Construction: \$6.3 million.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) St. Lucie International Airport Gate and Fence Improvements Fort Pierce, FL	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project surveyor responsible for field staking the horizontal locations on the clearing limits for the proposed fencing. The project was performed utilizing GPS technology and was tied to the main control at the airport. The Kimley-Horn team prepared construction plans and specifications for fence and gate improvements at the airport. The project included approximately 8,000 linear feet of new perimeter fencing and 13 gates including automation of several existing gates. It was designed to correct gaps in the existing perimeter security.	[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Julia Focaracci, E.I.	13. ROLE IN THIS CONTRACT Construction Phase Services/ Bidding Assistance; General Engineering	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 3</td> <td>b. WITH CURRENT FIRM 3</td> </tr> </table>		a. TOTAL 3	b. WITH CURRENT FIRM 3
a. TOTAL 3	b. WITH CURRENT FIRM 3				
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Plantation, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science / Civil Engineering / University of Florida / 2013		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL / Engineering Intern / 1100017656 / 2013			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Julia is an engineering analyst with three years of experience in with aviation projects in south Florida, including at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale-Hollywood International Airport, (FLL) and Pompano Beach Airpark (PMP). She completed FDOT Pavement Management Training.					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project analyst. Sheltair selected Kimley-Horn as its civil engineering consultant to design, permit, bid, and administer construction phase services for its new FBO at FXE. Basis for selection included Kimley-Horn's existing relationship with Airport staff going back 12 years and its institutional knowledge of the Airport property and local permitting requirements. The project consists of a combination of offices, hangars, and a fixed base operator (FBO) with associated drive aisles, parking, aprons, and site utilities located adjacent to primary Runway 9-27 at FXE. The facility is anticipated to be approximately 29,651 square feet of office and FBO building area, 11,300 square feet of workshops, 157,976 square feet of hangar area, and 20.15 acres of associated site work.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements, Engineered Material Arresting System Beds, and RIM, Broward County, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project analyst. The Broward County Aviation Department (BCAD) has selected Kimley-Horn to provide professional engineering services associated with the rehabilitation of Runway 10L/28R and other airfield pavements at Fort Lauderdale-Hollywood International Airport (FLL). This Capital Improvement Project will enable BCAD to maintain the primary runway and other airfield pavements in good operational condition. The improvements included in the scope of the program are as follows:• Rehabilitate Runway 10L approach Engineered Materials Arresting Bed (EMAS)• Rehabilitate and Extend Runway 28R approach EMAS• Rehabilitate Taxiway Alpha west of decommissioned Runway 13/31• Rehabilitate Runway 10L/28R• Rehabilitate Taxiway Bravo west of decommissioned Runway 13/31• Rehabilitate Taxiway Bravo 8 at East End• Rehabilitate connecting Taxiways to Runway 10L/28R• Rehabilitate entrance to Fed Ex and FBO west of Embraer• Runway and Taxiway Lighting System Upgrades and Electrical •Environmental permitting review and development options• Topographic survey• Electrical systems inventory and review.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale-Hollywood International Airport (FLL), Terminal 4 Expansion, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project analyst. The replacement of Terminal 4 at Fort Lauderdale-Hollywood International Airport (FLL) is a phased program to replace the existing Concourse H. The existing concourse aircraft parking configuration has significant conflicts with the new Runway 10R/27L and the new program will resolve these issues. The program, when complete, will consist of 14 gates that replace the existing 10-gate Concourse H. The new facilities will provide more concessions, passenger amenities, and be a more environmentally friendly facility than the existing concourse. Once completed the project will be the most modern building at the airport.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Pompano Beach Airpark, Taxiway D Relocation Pompano Beach, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project analyst. Kimley-Horn was retained by Pompano Beach to provide design, bidding, site development, and construction phase services for the relocation of Taxiway Delta. Tasks will include burrowing owl and gopher tortoise site surveys, development of plans, permitting assistance, and bid assistance.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Goodyear Hangar Expansion at the Pompano Beach Airpark, Pompano Beach, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project analyst. The project included adjusting the landside parking/drive to accommodate new support equipment, increasing the airside mooring circle to accommodate the new Airship, increasing the size of the maneuvering apron to accommodate the new Airship, and regrading the area south of the building to alleviate flooding.	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Mike Norby, P.E.	13. ROLE IN THIS CONTRACT Pavement Design	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 25</td> <td>b. WITH CURRENT FIRM 23</td> </tr> </table>		a. TOTAL 25	b. WITH CURRENT FIRM 23
a. TOTAL 25	b. WITH CURRENT FIRM 23				
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kimley-Horn and Associates, Inc., Mesa, AZ					
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science / Civil Engineering / Northern Arizona University / 1993 Bachelor of Science / Physics / Northwest Missouri State University / 1989		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Engineer: AZ / 32330 / 1998; TX / 87178 / 2000; MI / 6201050931 / 2004; TN / 00117616 / 2014; KY / 31143 / 2015; LA / 40102 / 2015			
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mike has served as a project manager for numerous airport, pavement engineering, and transportation planning projects. He has 25 years of experience in aviation and aviation related projects. He also has extensive experience in airport pavements, pavement management, ASR evaluations, and pavement design.					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
FDOT Aviation and Spaceport Office Statewide Airfield Pavement Management Program - System Update, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If Applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE QC/QA reviewer. Provided in-house quality control inspections for the Kimley-Horn team that performed the Statewide Airfield Pavement Management Program (SAPMP) for the past four years. Field inspected airfield pavements independent of the inspections teams, and compared inspection results with those from the original inspection team. Worked with inspection team to reconcile differences, and adjust procedures as appropriate. The program included inspection of approximately 96 airports across Florida and preparation of reports.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Sarasota Bradenton International Airport Runway 14-32 Pavement Rehabilitation, Sarasota, FL	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If Applicable)</i> 2007
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer. Kimley-Horn provided design and construction phase services for the rehabilitation of the center 7,000 linear feet of Runway 14-32. This project, completed in May 2007, rehabilitated that section of runway not included in the 14-32 extension project. The project consisted of milling and repaving the entire original length of Runway 14-32, including the intersection with Runway 4-22. The entire project was completed during nightly seven-hour closures with the runway reopening each morning. No diversions of air carrier flights occurred because of construction activities.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Fort Lauderdale Executive Airport (FXE) Taxiway Golf Relocation Fort Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If Applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Kimley-Horn provided professional engineering services for design of a relocated Taxiway Golf to include demolition of the existing taxiway; grading and drainage; paving of the new taxiway; pavement markings; lighting and signage; turfing; and associated work. In adherence to FAA Advisory Circulars for runway safety requirements. Estimated construction value at \$2.3 million.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Blue Grass Airport (LEX) Taxiways A1/A7 Rehabilitation Lexington, KY	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If Applicable)</i> 2013
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Pavement design engineer. Taxiways were exhibiting severe traffic related distresses. Rehabilitation included milling of the top 5 inches of existing surface and replacement with 5 inches of P-401. Underdrains along the edge of the taxiway were added to assist with subsurface drainage. For Taxiway A7, the entire pavement section was removed and replaced with an asphalt surface pavement section including P-209 and shot rock. Underdrains and a drainage structure were included to assist with drainage. Construction cost: \$330,000	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Flagstaff Airport, Taxiway A Construction Administration Flagstaff, AZ	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If Applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. This project involved the rehabilitation of approximately 2,900 linear feet of parallel Taxiway A pavement. The rehabilitation consisted of milling and repaving the oxidized asphalt surface. The asphalt millings were used as shoulder stabilization for runway and taxiway. New taxiway edge lighting and pavement markings were installed, including surface painted holding position signs in accordance with Advisory Circular 150/5340-1K. Total contract value; \$228,582.	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ed Joyner, III, Ph.D., P.E.	13. ROLE IN THIS CONTRACT Electrical Design	14. YEARS EXPERIENCE a. TOTAL 22 b. WITH CURRENT FIRM 2	
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Raleigh, NC			
16. EDUCATION (DEGREE AND SPECIALIZATION) Doctor of Philosophy / Architecture / Georgia Institute of Technology /1999 Master of Science / Architecture / Georgia Institute of Technology /1993 Bachelor of Science / Electrical Engineering / North Carolina State University / 1982		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: FL / 69346; MD / 33665; AR / 13019; NM / 19342; NC / 27929; GA / PE034515; OH / 73405	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Ed joined Kimley-Horn in 2013 and focuses his efforts on airfield electrical design. His technical expertise centers on achieving sustainability and reducing long-term maintenance costs. During his 22-year career, he also has provided vertical engineering design services for both engineering and architectural firms.			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Tampa International Airport, Airfield Pavement Rehabilitation, FY 15, 16, and 17, Tampa, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical engineer. Kimley-Horn provides professional design services for HCAA's airfield pavement rehabilitation program at Tampa International Airport. Services under this contract include the design to remove, rehabilitate, and reconstruct taxiway, taxilane, and apron asphalt and concrete pavements as well as improve pavement markings located throughout the airfield. Others services will include electrical, drainage, construction inspection, cost estimating, scheduling, surveying geotechnical, and materials testing. Kimley-Horn has been assigned two task orders with HCAA—east airfield pavement rehabilitation and removal and remarking of taxiway and taxilane markings within the airfield movement area.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) San Diego International Airport, Relocation of Runway 9 Threshold San Diego, CA	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) 2015
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical engineer. As part of our on-call contract, Kimley-Horn was tasked with design and bid phase professional services to support the 300-foot relocation of Runway 9's threshold. Elements included modifying the runway edge lighting system, installing the infrastructure for the reconfiguration of the MALSR infrastructure (ducts, conduits, handholes, and base cans), and reconfiguration of the runway markings. Kimley-Horn also provided assistance in developing the reimbursable agreement for FAA services associated with the MALSR reconfiguration, the glide slope relocation, and flight checks.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) McCarran International Airport, Runway 7L/25R and Taxiway C Reconstruction, Las Vegas, NV	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable) 2016
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QC/QA Reviewer. This project includes reconstructing approximately 12,400 linear feet of Runway 7L/25R, approximately 2,400 linear feet of the parallel Taxiway C, and 17 connector taxiways.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Indianapolis Airport Authority, Indianapolis International Airport Preliminary Design Airfield Electrical Replacement (LED Transition) Indianapolis, IN	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical engineer. Indianapolis International Airport is currently served by incandescent (quartz) airfield lighting system. As part of Kimley-Horn's preliminary design effort, sample elements of the existing airfield electrical system at IND were inventoried and assessed for age, condition, and elements included on each circuit. Once the existing system was cataloged, preliminary design and an implementation plan was prepared to provide maximum benefit for the cost (initial and operational) taking into account FAA grant funding eligibility. Kimley-Horn then recommended modifications to the existing system and recommended a phasing program.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Cleveland Hopkins International Airport, North Airfield Improvement Project (Hot Spots Removal), Cleveland, OH	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical engineer. Kimley-Horn was selected as a subconsultant for the design and implementation of the reconfiguration of the north airfield at CLE to eliminate troublesome "hot spots" and undesirable geometry. The FAA has identified taxiways with a higher potential for pilot confusion due to their width, orientation, or proximity to other airport facilities. This will be the first project to be implemented for the new FAA national initiative known as the Runway Incursion Mitigation (RIM) program.	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Brady Walker	13. ROLE IN THIS CONTRACT Environmental/Permitting	14. YEARS EXPERIENCE a. TOTAL 12 b. WITH CURRENT FIRM 11	
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Delray Beach, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science / Biology / Denison University / 2004		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>Brady has 12 years of experience conducting endangered species surveys, delineating wetlands, designing wetland mitigation and restoration areas, and permitting projects throughout Florida and California. His primary area of focus has been on the east coast of Florida from Brevard County south through Miami-Dade County.</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Pompano Beach Airpark Continuing Services (including Runway 15-33 Rehabilitation), Pompano Beach, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst and assisted with the permitting and successful relocation of 21 gopher tortoises as part of a runway expansion project. Also conducted surveys for burrowing owls throughout the airport and permitted and conducted the "take" of several burrowing owl nests in conjunction with runway expansion projects. Set up starter burrows and T-perches for the owls to relocate to.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Paris Air Hangar Facilities at Vero Beach Municipal Airport Vero Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2006	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst. Kimley-Horn designed three hangars for Paris Air airplane storage at the Vero Beach Municipal Airport. Our services included site planning, design, engineering, civil permitting, and agency coordination (City of Vero Beach Utility Department, City of Vero Beach Airport, and the FAA). Paris Air currently has under lease approximately 7.4 acres along the west end of the main runway at the Vero Beach Airport. The property was previously undeveloped and contained a small wetland area that had to be permitted for impact through the St. Johns River Water Management District (SJRWMD). The development proposal includes three new hangars, each measuring approximately 14,000 square feet. In addition, a new private, 20,000-square-foot air terminal is proposed in a future phase. The project was permitted through the City of Vero Beach, St. Johns River Water Management District, and the Florida Department of Environmental Protection.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Southwest Florida International Airport, Mitigation Park Fort Myers, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental scientist. Kimley-Horn assisted Lee County Port Authority (LCPA) in mapping and assessing the 7,000-acre mitigation park that was created to compensate for impacts with the development of a new terminal. GIS mapping and ground truthing were conducted to identify and map the exotic and nuisance species to determine if the mitigation park was in compliance with the existing state and federal permits, to assess the site conditions, and to make recommendations regarding future maintenance. Kimley-Horn prepared a detailed mitigation assessment report and provided short- and long-term maintenance recommendations for consideration by LCPA. Following completion of the assessments, Kimley-Horn prepared technical specifications package for contractor bidding, and provided construction phase services.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Pompano Beach Air Park, Taxiway G Grant Assistance, Pompano Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst. Kimley-Horn completed design of the Extension of Taxiway G in mid-2015. After discussions with the FAA's district office revealed that the project was a low priority for funding, the City asked Kimley-Horn to produce a brochure demonstrating the project's benefits to air travel and the surrounding community. The key to the brochure was explaining complex aviation concepts to the public. Kimley-Horn identified 15 safety enhancements included in the project. Then, they went to the Air Park's tenants and air traffic control tower and obtained signed letters in support of the projects. The project is currently on a short list for FDOT funding.	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Wetland Mitigation Parcel Review, Okeechobee County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for a review of various parcels to assess their suitability for offsetting mitigation requirements at the Okeechobee County Airport. Currently Okeechobee County Airport has several on-site conservation areas associated with the development of the Airport Industrial Park. The Federal Aviation Authority has stated that on-site conservation areas are not consistent with a federally-supported airport and the County must remove these conservation areas within the airport's boundary in order to receive federal funding for airport maintenance.	[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Meredith Aiken, CWD	13. ROLE IN THIS CONTRACT Environmental	14. YEARS EXPERIENCE a. TOTAL 5 b. WITH CURRENT FIRM 0	
15. FIRM NAME AND LOCATION (City and State) Kimley-Horn and Associates, Inc., Delray Beach, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Science / Wildlife Ecology / Texas State University / 2014 Bachelor of Science / Wildlife and Fisheries Science / Texas A&M University / 2009		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Certified Wetland Delineator / 2015	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>Meredith is an environmental analyst with three years of experience in biological sciences. Her emphasis is in species monitoring, habitat assessments, and field experience related to ungulate and avian ecology. She is a certified wetland delineator with a comprehensive understanding of Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and Federal and State regulations regarding Waters of the U.S.</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Pompano Beach Air Park, Taxiway G Grant Assistance, Pompano Beach, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst. Kimley-Horn completed design of the Extension of Taxiway G in mid-2015. After discussions with the FAA's district office revealed that the project was a low priority for funding, the City asked Kimley-Horn to produce a brochure demonstrating the project's benefits to air travel and the surrounding community. The key to the brochure was explaining complex aviation concepts to the public. Kimley-Horn identified 15 safety enhancements included in the project. Then, they went to the Air Park's tenants and air traffic control tower and obtained signed letters in support of the projects. Finally, they analyzed the Air Park's noise contour map and showed how the project would reduce noise in the surrounding community, a big concern for the local residents and voters. Once the brochure was completed, Kimley-Horn identified likely advocates in the State and Federal legislatures. They reached out to their staffers and educated them about the benefits of this project not captured in the FAA's assessment criteria.	☒ Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) City of Coconut Creek Environmental Services, Broward County, FL	(2) YEAR COMPLETED	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Served as lead environmental analyst. Performed field reconnaissance, created GIS figures, and assisted in the preparation of the Phase I Environmental Site Assessments (ESAs).	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable)
c. (1) TITLE AND LOCATION (City and State) Miami Beach Streetcar P3 Program Management Miami Beach, FL	(2) YEAR COMPLETED	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental Scientist. Miami Beach Streetcar is a 3.5 to 4-mile double-tracked light rail transit (LRT) or modern streetcar 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 project development, conceptual engineering, environmental impact analysis, procurement of a P3 developer that will design, build, operate, maintain, and finance the project.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
d. (1) TITLE AND LOCATION (City and State) Midway Road (CR 712) from Glades Cutoff Road (CR 709) to Selvitz Road (CR 615) PD&E Study, St. Lucie, FL	(2) YEAR COMPLETED	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst assisting with endangered species surveys for Kimley-Horn's services as a major subconsultant on this 1.6-mile segment of Midway Road. The project includes evaluating the widening of Midway Road from 2 to 4 lanes as well as a concept study for a new interchange with the Florida's Turnpike. Kimley-Horn is responsible for all traffic analyses, structures evaluations, and environmental (socio-cultural, wetland and endangered species – including extensive Audubon's crested caracara surveys) evaluations. In addition, Kimley-Horn is responsible for preparing the interchange concept report and coordinating the results with Florida's Turnpike Enterprise.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)
e. (1) TITLE AND LOCATION (City and State) PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/Miami-Dade Counties	(2) YEAR COMPLETED	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental analyst 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 (including preparation of a Location Hydraulics Technical Memorandum and a Pond Siting Report), permitting, and lighting.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME Sheryl A. Dickey	13. ROLE IN THIS CONTRACT President/Project Manager	14. YEARS EXPERIENCE a. TOTAL: 30 b. CURRENT FIRM: 21	
15. FIRM NAME AND LOCATION (City and State) Dickey Consulting Services, Inc., Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) B.S.S.W.		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certification – Charrette Planner and Public Meeting Facilitator – Virginia Tech			

12. NAME Justina I. Hicklyn	13. ROLE IN THIS CONTRACT Project Coordinator	14. YEARS EXPERIENCE a. TOTAL: 8 b. CURRENT FIRM: 5	
15. FIRM NAME AND LOCATION (City and State) Dickey Consulting Services, Inc., Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) N/A			

19. REVELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Public Relations and Community Awareness Services, South County Neighborhood Improvement Project Broward County, FL	PROFESSIONAL SERVICES: 1999-2016	CONSTRUCTION(if applicable):
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE ☐ Check if project performed with current firm		
a. Provide assistance to the staff relative to the public awareness program. Development of a database tracking system for community concerns and responses to the project team for management purposes. Prepare project collateral brochures, flyers, fact sheets, notification letters, news articles, and public notices. Dissemination of brochures, flyers, and notices. Prepare a database of homeowners, residents and businesses. Attend meetings with established neighborhood associations or community groups, schools, PTA's, and business owners. Attend progress meetings and provide coordination assistance during construction. Development and distribution of a newsletter for residents and businesses. Ref: Pat Gibney, Craven Thompson & Associates, 954/739-6400		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Public Relations and Community Awareness Services North Central Neighborhood Improvement Project Broward County, FL	PROFESSIONAL SERVICES: May 2002-2013	CONSTRUCTION(if applicable):
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE ☐ Check if project performed with current firm		
b. Provided assistance relative to the public awareness program. Prepared project collateral brochures, flyers, fact sheets, notification letters, news articles, and public notices. Dissemination of brochures, flyers, and notices. Prepared a database of homeowners, residents and businesses. Attended meetings with established neighborhood associations or community groups, schools, PTA's, and business owners. Attended progress meetings and provided coordination assistance during construction. Development and distribution of a newsletter for residents and businesses. DCS provided public awareness, public relations coordination and community services. Ref: Pat Gibney, Craven Thompson & Associates, 954/739-6400		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
c. Public Relations and Community Awareness Services, North County Neighborhood Improvement Project – Broward Co., FL	PROFESSIONAL SERVICES: Oct 2002-2014	CONSTRUCTION(if applicable):
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE ☐ Check if project performed with current firm		

Provided assistance to the staff relative to the public awareness program. Prepared project collateral brochures, flyers, fact sheets, notification letters, news articles, and public notices. Dissemination of brochures, flyers, and notices. Prepared a database of homeowners, residents and businesses. Attended meetings with established neighborhood associations or community groups, schools, PTA's, and business owners. Attended progress meetings and provide coordination assistance during construction. Development and distribution of a newsletter for residents and businesses.

Ref: Pat Gibney, Craven Thompson & Assoc. 954/739-6400

1) TITLE AND LOCATION <i>(City and State)</i> City of Ft. Lauderdale Water & Wastewater Capital Improvement Program (WaterWorks 2011) Ft. Lauderdale, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES: Oct 2001-2012	CONSTRUCTION(if applicable):
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE Provided Professional Consulting Services in support of the planning and implementation of Public Communication and Public Outreach activities for the Program Management team. Developed and maintained detailed stakeholder and points of communication lists for diverse elements of the City of Fort Lauderdale community; Developed and implemented media communication plans to create positive public perception and support for the program to promote a positive image for the program Management team; Developed communication and outreach activity plans detailing specific events and messages to targeted stakeholders, and programming of communication and outreach activities; Prepared documents and graphics for use in public communication activities. Coordinated and managed public communication events. ☐ Check if project performed with current firm		
Ref: Luis Rioseco, CH2M Hill 954/522-2604		

1) TITLE AND LOCATION <i>(City and State)</i> UAZ 310 WWS/WWED Project #100829 Broward County, FL	(2) YEAR COMPLETED	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE	PROFESSIONAL SERVICES: April 2015 - Present	CONSTRUCTION(if applicable):
DCS has successfully established a public awareness program which includes but is not limited to various public relations efforts between the county/engineer/contractor and the affected communities. Developed and maintain a database of homeowners, residents and businesses; which is used to distribute a weekly Traffic Impact Reports and new developments throughout the project. Tasks also, include attending the bi-weekly progress meeting, responding to inquiries from residents regarding the construction, conducting site visits several times per week and providing a written report and photographs. ☐ Check if project performed with current firm		
Ref: Pat Gibney, Craven Thompson & Assoc. 954/739-6400		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Amy Champagne Baker, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
		19	19

15. FIRM NAME AND LOCATION (City and State) Hilliers Electrical Engineering, Boca Raton, FL.
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16. EDUCATION (DEGREE AND SPECIALIZATION) BSEE/1997/Electrical Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL/#73735 CT #27854
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Amy Champagne Baker Project Engineer, brings to this project over 19 years of electrical design and project management experience on major air carrier aviation airport runways, taxiways and apron edge lighting systems, instrumentation landing systems, airfield electrical vaults, airfield lighting control systems, water and wastewater facilities, water management pumping stations, lift stations, state-of-the-art distributed control systems, DOT expressways, interchanges, toll plazas, toll collection, bridges, design build projects, value engineering, energy audits, cost estimates, testing, startups, lighting systems, fire alarm systems, security systems, low and medium voltage distribution systems, normal and stand-by generation for facilities in the U.S.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
FLL WP-304/305 Runway, Crossfield Taxiways & Holdpad Paving, Lighting and Signage, Ft. Lauderdale International Airport, Ft. Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for new Runway 9R-27L (8,000 ft.), (6) taxiways and (19) connectors electrical & lighting systems, included (250) in pavement lighting fixtures and (700) elevated lighting fixtures, guidance signage, (2) FAA MALSF systems, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (2) BCAD PAPI systems, (3) wind cones, and power and control distribution ductbank systems for (6) FAA NAVAIDS systems. Providing construction administrative services. Estimated construction budget: \$13.8M. David Roepnack – BCAD Project Manager. Project is on-going.	☒ Check if project performed with current firm	
PBIA Runway 10L-28R Pavement Rehabilitation, Palm Beach International Airport, West Palm Beach, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2013
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for Runway 10L-28R (10,000 ft.), (22) taxiway connectors electrical & lighting systems, (300) in pavement lighting fixtures, guidance signage, FAA MALSR system, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (8) runway guard lighting bar systems and (3) LAHSO systems. Provided construction administrative services. Electrical construction cost: \$3M. Project completed 2012. Cindy Portnoy – PBIA Project Manager.	☒ Check if project performed with current firm	
Palm Beach County Department of Airports - 5000 ft. Parallel Taxiway "L" East Lighting & Signage, West Palm Beach, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2012
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed new taxiway edge lighting system, (7) new runway guard lighting systems, new mandatory & guidance signage, (5) new electrical circuits conductors & conduit systems, new FAA ILS Glide Slope, new FAA NAVAIDS distribution fiber optic duct bank system and airfield lighting vault modifications, and (1) new ALCMS airfield lighting computer control system in existing and new FAA ATC towers. Provided construction administrative services. Electrical construction cost: \$2M. Project completed 2013. Cindy Portnoy – PBIA Project Manager.	☒ Check if project performed with current firm	
Daytona Runway 7-25, Daytona International Airport, Daytona Beach, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2012
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for Runway 7-25 (10,500 ft.), (20) connector taxiways electrical & lighting systems, (340) TDZ and centerline in pavement lighting fixtures, guidance signage, (1) FAA MALSR system, airfield lighting vault electrical modifications, and airfield lighting control system modifications. Provided construction administrative services. Electrical construction cost: \$2M. Project completed 2012. Karen Feaster – DBIA Project Manager	☒ Check if project performed with current firm	
Palm Beach County Department of Airports - Airfield Lighting Control and Monitoring System, Palm Beach International Airport, West Palm Beach, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2012
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed new airfield lighting computerized control system. Provide three new control systems in airfield electrical vault, existing FAA Tower, new FAA Tower to eliminate downtime of control systems. Coordination of control strategies, power and control wiring of system, input/output design, remote computer access, fiber optic design for connectivity, factory Testing and acceptance. Provided construction administrative services. Electrical construction cost: \$360K. Project completed 2012. Cindy Portnoy – PBIA Project Manager.	☒ Check if project performed with current firm	

STANDARD FORM 330 (6/2004)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME James Kappes, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)

Hilliers Electrical Engineering, Boca Raton, FL.

16. EDUCATION (DEGREE AND SPECIALIZATION)

BSEE/2005/Electrical Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

FL/#71499

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

JAMES KAPPEL, P.E. brings to this project over 11 years of electrical design and project management experience on major air carrier aviation airport runways, taxiways and apron edge lighting systems, instrumentation landing systems, airfield electrical vaults water and wastewater facilities, water management pumping stations, structures, lift stations, state-of-the-art distributed control systems, variable frequency speed drive analysis for facility efficiency improvements, ASR wells, DOT expressways, interchanges, toll plazas, toll collection, bridges implementation of commercial – industrial load control program systems for large industrial power users, value engineering, energy audits, cost estimates, testing, startups, lighting systems, security systems, low and medium voltage distribution systems, normal and stand-by generation, short circuit calculations, fault current calculations, protective device coordination and power, control, instrumentation for facilities in the U.S. and internationally.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
FLL WP-304/305 Runway, Crossfield Taxiways & Holdpad Paving, Lighting and Signage, Ft. Lauderdale International Airport, Ft. Lauderdale, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for new Runway 9R-27L (8,000 ft.), (6) taxiways and (19) connectors electrical & lighting systems, included (250) in pavement lighting fixtures and (700) elevated lighting fixtures, guidance signage, (2) FAA MALSF systems, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (2) BCAD PAPI systems, (3) wind cones, and power and control distribution ductbank systems for (6) FAA NAVAIDS systems. Providing construction administrative services. Estimated construction budget: \$13.8M. David Roepnack – BCAD Project Manager. Project is on-going.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Palm Beach County Glades Airport Airfield Electrical Improvement, Palm Beach International Airport, West Palm Beach, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2014
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed 4,100 Ft. runway and parallel taxiway edge lighting system, guidance signage, (2) REIL Systems, (2) two-box PAPI systems, airport lighted beacon and tower, apron lighting system, airfield electrical vault building, and airfield vault electrical distribution systems. Provided construction services. Electrical construction cost: \$1.5M. Project completed 2014. Cindy Portnoy – PBIA Project Manager.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) PBIA Runway 10L-28R Pavement Rehabilitation, Palm Beach International Airport, West Palm Beach, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2013
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for Runway 10L-28R (10,000 ft.), (22) taxiway connectors electrical & lighting systems, (300) in pavement lighting fixtures, guidance signage, FAA MALSR system, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (8) runway guard lighting bar systems and (3) LAHSO systems. Provided construction administrative services. Electrical construction cost: \$3M. Project completed 2013. Cindy Portnoy – PBIA Project Manager.	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport, New Airfield Lighting Control and Monitoring System	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2014
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Included new airfield lighting control and monitoring system in airfield vault and FAA ATCT, coordination with FAA Air Traffic and FAA new ATCT Project Managers, new current regulators for Taxiway EE and EW to make room for new control system cabinet, modifications to existing airfield electrical vault. Electrical Design Estimate: \$500,000. Mr. Fernando Blanco, Aviation Engineering Manager	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport, Taxiway Echo Pavement Rehabilitation	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE New taxiway lighting & signage system for the Taxiway Echo geometry changes. Included new taxiway edge lighting, new mandatory & guidance signage, relocation of existing elevated runway guard lighting system, new electrical circuit conductors & conduit systems Electrical Design Estimate: \$1.3M Mr. Fernando Blanco, Aviation Engineering Manager	☒ Check if project performed with current firm	

STANDARD FORM 330 (6/2004)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Paul Hillers, P.E.		13. ROLE IN THIS CONTRACT Project Manager		14. YEARS EXPERIENCE	
				a. TOTAL 37	b. WITH CURRENT FIRM 22
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Boca Raton, FL.					
16. EDUCATION (DEGREE AND SPECIALIZATION) BSEE/1979/Electrical Engineering/MSEE/1981			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL/#41022		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Paul Hillers, P.E., president of Hillers Electrical Engineering, Inc., brings to this project over 37 years of electrical design and project management experience on major air carrier aviation airport runways, taxiways and apron edge lighting systems, instrumentation landing systems, airfield electrical vaults water and wastewater facilities, supervisory control and data acquisition (SCADA) systems, water management pumping stations, structures, lift stations, state-of-the-art distributed control systems, variable frequency speed drive analysis for facility efficiency improvements, ASR wells, , DOT expressways, interchanges, toll plazas, toll collection, bridges implementation of commercial – industrial load control program systems for large industrial power users, value engineering, energy audits, cost estimates, testing, startups, lighting systems, security systems, low and medium voltage distribution systems, normal and stand-by generation, short circuit calculations, fault current calculations, protective device coordination and power, control, instrumentation for major fuel storage and refining facilities in the U.S. and internationally.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) FLL WP-304/305 Runway, Crossfield Taxiways & Holdpad Paving, Lighting and Signage, Ft. Lauderdale International Airport, Ft. Lauderdale, FL			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for new Runway 9R-27L (8,000 ft.), (6) taxiways and (19) connectors electrical & lighting systems, included (250) in pavement lighting fixtures and (700) elevated lighting fixtures, guidance signage, (2) FAA MALSF systems, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (2) BCAD PAPI systems, (3) wind cones, and power and control distribution ductbank systems for (6) FAA NAVAIDS systems. Providing construction administrative services. Estimated construction budget: \$13.8M. David Roepnack – BCAD Project Manager. Project is on-going.			☒ Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) PBIA Runway 10L-28R Pavement Rehabilitation, Palm Beach International Airport, West Palm Beach, FL			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed for Runway 10L-28R (10,000 ft.), (22) taxiway connectors electrical & lighting systems, (300) in pavement lighting fixtures, guidance signage, FAA MALSR system, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (8) runway guard lighting bar systems and (3) LAHSO systems. Provided construction administrative services. Electrical construction cost: \$3M. Project completed 2012. Cindy Portnoy – PBIA Project Manager.			☒ Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) St. Petersburg-Clearwater International Airport, Runway 4-22 Rehabilitation, St. Petersburg, FL			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2011	CONSTRUCTION (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed 8,000 Ft. runway edge lighting system, guidance signage, (2) wind socks, (2) REIL Systems, (2) four-box PAPI systems, new airfield lighting computer controlled monitoring system, and airfield electrical vault improvements. Provided construction administrative services. Electrical construction cost: \$1.2M. Project completed 2012. John Holt – PIE Project Manager			☒ Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Palm Beach County Department of Airports - 5000 ft. Parallel Taxiway "L" East Lighting & Signage, West Palm Beach, FL			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed new taxiway edge lighting system, (7) new runway guard lighting systems, new mandatory & guidance signage, (5) new electrical circuits conductors & conduit systems, new FAA ILS Glide Slope, new FAA NAVAIDS distribution fiber optic duct bank system and airfield lighting vault modifications, and (1) new ALCMS airfield lighting computer control system in existing and new FAA ATC towers. Provided construction administrative services. Electrical construction cost: \$2M. Project completed 2013. Cindy Portnoy – PBIA Project Manager.			☒ Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Palm Beach County Glades Airport Airfield Electrical Improvement, Palm Beach International Airport, West Palm Beach, FL			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed 4,100 Ft. runway and parallel taxiway edge lighting system, guidance signage, (2) REIL Systems, (2) two-box PAPI systems, airport lighted beacon and tower, apron lighting system, airfield electrical vault building, and airfield vault electrical distribution systems. Provided construction services. Electrical construction cost: \$1.5M. Project completed 2014. Cindy Portnoy – PBIA Project Manager.			☒ Check if project performed with current firm	

STANDARD FORM 330 (6/2004)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. Name	Timothy H. Gray, P.S.M.				13. Role in this contract	Project Surveyor
14. Years Experience	Total	16	With Firm	<1 year	15. Firm Name and Location	Keith and Associates, Inc. 2160 NW 82 Avenue Doral, FL 33122
16. Education (Degree and Specialization) BS, Geomatics, University of Florida, 1999					17. Current Professional Registration (State and Discipline) Professional Surveyor & Mapper, Florida #LS6604	
18. Other Professional Qualifications (<i>Publications, Organizations, Training, Awards, etc.</i>)						

19. Relevant Projects

	Title and Location (<i>City & State</i>) * Year Completed (Eng. / Const.) * Role * Brief Description (<i>Scope, Size, Cost, etc.</i>)	Performed with current firm ☒
a.	Taxiway Foxtrot Pavement Rehabilitation at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale, FL Professional Services – 2016 Construction Services – N/A Mr. Gray performed a topographic survey of Taxiway Foxtrot and its surrounding areas for the taxiway's pavement rehabilitation.	
	Title and Location (<i>City & State</i>) * Year Completed (Eng. / Const.) * Role * Brief Description (<i>Scope, Size, Cost, etc.</i>)	Performed with current firm ☒
b.	SFRTA Boundary Survey Parcel 104, Hialeah, FL Professional Services – 2016 Construction Services – N/A Mr. Gray provided a boundary survey indicating the boundary lines of the parcel and all surface improvements, as well as a sketch and legal description to delineate encroachments on to SFRTA Parcel 104, located in the SFRTA's Hialeah yard. Mr. Gray also provided a Surveyor's Report to SFRTA attorneys, delineating the methods used to determine the appropriate boundary's location and possible encroachments in advance of prospective legal action. This Task Work Order was performed as part of our General Planning Consultant Services continuing contract.	
	Title and Location (<i>City & State</i>) * Year Completed (Eng. / Const.) * Role * Brief Description (<i>Scope, Size, Cost, etc.</i>)	Performed with current firm ☒
c.	Jackson Health System West Campus, Doral, FL Professional Services – 2016 Construction Services – N/A Located just west of the Palmetto Expressway and on the North side of Northwest 25 th Street, the Jackson West site is the future home a new 100-bed hospital. Mr. Gray was responsible for boundary, topographic, and tree surveys for this 27 acre site. These surveys are to be used by the design professionals as the design process moves forward.	
	Title and Location (<i>City & State</i>) * Year Completed (Eng. / Const.) * Role * Brief Description (<i>Scope, Size, Cost, etc.</i>)	Performed with current firm ☒
d.	Fort Lauderdale/Hollywood International Airport Construction Trailers for Southwest Airlines Terminal 1, Fort Lauderdale, FL Professional Services – On-going Construction Services – N/A Mr. Gray is responsible for providing daily pile as-built surveys. Terminal 1 is undergoing an approximately \$295 million expansion that includes a new Concourse A, a Customs Inspection Facility, security checkpoint enhancements and various other improvements.	
	Title and Location (<i>City & State</i>) * Year Completed (Eng. / Const.) * Role * Brief Description (<i>Scope, Size, Cost, etc.</i>)	Performed with current firm ☒
e.	KOI Residences and Marina, Pompano Beach, FL Professional Services – On-going Construction Services – On-going Mr. Gray is responsible for providing daily pile as-built surveys. Terminal 1 is undergoing an approximately \$295 million expansion that includes a new Concourse A, a Customs Inspection Facility, security checkpoint enhancements and various other improvements.	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. Name	Lee Powers, P.S.M.				13. Role in this contract	Project Surveyor/GIS Specialist
14. Years Experience	Total	10	With Firm	7	15. Firm Name and Location	Keith and Associates, Inc. 301 East Atlantic Boulevard Pompano Beach, FL 33060
16. Education (Degree and Specialization) BS LSGE, Purdue University, Indiana, 2005					17. Current Professional Registration (State and Discipline) Professional Surveyor & Mapper, Florida # 6805	
18. Other Professional Qualifications (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors & Mappers						
19. Relevant Projects						
	Title and Location (City & State) * Year Completed (Eng. / Const.) * Role * Brief Description (Scope, Size, Cost, etc.)					Performed with current firm ☒
a.	Broward County Water & Wastewater Services (WWS) GPS/GIS Project Professional Services – 2011 Construction Services – N/A Mr. Powers served as the Project Surveyor for this utility location project. Once completed, this project will include sub-meter GPS observations on approximately 17,000 utility locations. This data will be used to populate/update the WWS GIS database.					
b.	Various Taxiway Rehabilitation Projects at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale, Florida Professional Services – 2016 Construction Services – N/A For rehabilitation of Taxiways Charlie, Delta, Echo and Foxtrot, performed topographic surveys as per FAA A/C 150/5300-16A, 17B and 18B and successfully uploaded information to the FAA GIS database.					
c.	The Wave Modern Streetcar, Fort Lauderdale, Florida Professional Services – Ongoing Construction Services – N/A Keith and Associates was tasked with providing Surveying and Subsurface Utility Engineering (SUE) services for this modern streetcar in Downtown Fort Lauderdale between Northwest 6 th Street and Southeast 17 th Street. The system would operate 5 modern streetcars through 2.7 miles in mixed traffic along existing roadways and would utilize transit signal priority. Surveying services include project control, aerial targets, topography/DTM, aerial clearances, drainage and sanitary details, recovery of property and right-of-way monumentation, boundary surveys, and survey support for the geotechnical operations.					
d.	Fort Lauderdale-Hollywood International Airport Terminals Modernization (1, 2 and 3) Fort Lauderdale, Florida Professional Services – 2015 Construction Services – N/A Keith and Associates, Inc. is currently serving as a Sub-Consultant to Gresham Smith and Partners for this Terminal Modernization project. Mr. Powers completed stakeout and as-builts for the repainting of the striping around Terminals 1, 2 & 3.					
e.	South Florida Water Management District – General Services Contract Professional Services – Completed Construction Services – N/A Mr. Powers served as the Project Manager and Project Surveyor for this contract. Mr. Powers completed over 35 projects for the District ranging from Blue-Booked Vertical Control (both conventional level and GPS methods) surveys, to county-wide GPS control surveys and large boundary surveys.					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Raj Krishnasamy, P.E.	13. ROLE IN THIS CONTRACT Principal Geotechnical Engineer	14. YEARS EXPERIENCE <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">a. TOTAL</td> <td style="width: 50%; border: none;">b. WITH CURRENT FIRM</td> </tr> <tr> <td style="text-align: center; border: none;">29</td> <td style="text-align: center; border: none;">15</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	29	15
a. TOTAL	b. WITH CURRENT FIRM						
29	15						
15. FIRM NAME AND LOCATION (City and State) TIERRA SOUTH FLORIDA, INC., West Palm Beach, Florida							
16. EDUCATION (DEGREE AND SPECIALIZATION) BS Civil Engineering, Christian Brothers University, 1987 MS Civil Engineering, University of Memphis, 1996		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) 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

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	Taxiway Echo Rehabilitation Project - Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2013	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, pavement cores and laboratory testing for the rehabilitation which included reconstruction or milling and resurfacing of Taxiway Echo and connectors. Field study consisted of Standard Penetration Test (SPT) borings, Borehole Permeability (BHP) tests, field CBR tests - Kessler Method, and pavement cores. Performed limited laboratory testing on selected soil samples, including grain size analysis, organic content, and Modified proctor Tests. Also performed laboratory CBR tests (ASTM D1883). Provided subsurface information, soil profiles, and test results.		
b.	Taxiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2008	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 study for the rehabilitation of Taxiway Bravo at Ft. Lauderdale Executive Airport (FXE) in Broward County, Florida. The project was approximately 2 miles long. The rehabilitation included widening of Taxiway Charlie, Mike and November and milling and resurfacing Taxiway Bravo. Performed Standard Penetration Test (SPT) borings along Taxiway Bravo and exit ramps as well as pavement cores. Provided geotechnical report summarize findings as well as geotechnical recommendations regarding excavations, ground water control and pavement design.		
c.	Taxiway Delta & Charlie Rehabilitation Project - Fort Lauderdale Executive Airport, Broward County, Florida	PROFESSIONAL SERVICES 2010	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 services for the milling and resurfacing of Taxiway Delta & Charlie. Performed Standard Penetration Test (SPT) borings and pavement cores. Provided a geotechnical services report discussing the subsurface conditions found, groundwater conditions at the site, and pavement core test results.		
d.	Western Expansion of Terminal 4 and Connector Bridge to Terminal 3, Fort Lauderdale-Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2011	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 study for proposed Western Expansion of Terminal 4 and a connector bridge to Terminal 3. Field work consisted Standard Penetration Test (SPT) borings. Provided a geotechnical report summarizing subsurface conditions and groundwater information. TSF provided geotechnical recommendations regarding foundation design, including evaluating the use of Auger Cast-In-Place (ACIP) piles to support the proposed expansion. Provided ACIP pile design criteria and recommendations, site preparation recommendations, floor slab recommendations, and information regarding trench excavations.		
e.	Expansion of Runway 10R-28L, Fort Lauderdale – Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2013	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 study for the proposed expansion of Runway 9R-27L and associated US-1/FEC railroad structures, high fill embankment, and MSE walls. SPT soil borings and sampling are being performed for US-1/FEC Railroad structures, MSE walls and high embankments. Maximum MSE wall height is expected to be about 65 ft. which is significantly higher than the normal practice in Florida. Performed pile capacity analysis for bridge structures. Provided analysis and recommendations for MSE walls and embankment fill as well as other geotechnical engineering recommendations.		



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Francois Thomas, P.E., S.I.	13. ROLE IN THIS CONTRACT Principal Materials Engineer / Threshold Inspector	14. YEARS EXPERIENCE <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">a. TOTAL 23</td> <td style="width: 50%; border: none;">b. WITH CURRENT FIRM 8</td> </tr> </table>		a. TOTAL 23	b. WITH CURRENT FIRM 8
a. TOTAL 23	b. WITH CURRENT FIRM 8				
15. FIRM NAME AND LOCATION (City and State) TIERRA SOUTH FLORIDA, INC., West Palm Beach, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) MS in Geotechnical Engineering, 1993 BS in Civil Engineering, 1991		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No. 56381			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Special Inspector 7021399 Certified Masonry Inspector Radiation Safety Officer					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Taxiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Thomas was the principal in charge of the material testing and inspection services for the taxiway rehabilitation. Performed laboratory testing including LBRs, Proctors, and concrete breaks. Provided earthwork and concrete inspections during subgrade and base construction. During asphalt pavement rehabilitation (milling and resurfacing), provided field asphalt inspectors to observe placement of test strip, tack placement, and surface and leveling courses. TSF inspectors were also in charge of tracking all tonnage, waste quantities, tack and prime quantities, and based on those numbers the inspectors verified pay applications. Also provided all asphalt plant inspections prior to and during all asphalt field activities.		
	Taxiway Charlie West Settlement Study- Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Thomas served as principal geotechnical engineer for the geotechnical engineering study to investigate the subsurface conditions at the project site, and provide site preparation recommendations for the pavement subgrade to minimize the rutting/settlement. Provided geotechnical engineering report discussing potential causes of rutting/settlement along with site preparation recommendations that the soil be densified and the pavement section reinforced to minimize the potential of rutting/settlement. Recommendations included utilizing geogrid as part of the site preparation.		
	Taxiway Echo Rehabilitation Project - Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Thomas served as principal geotechnical engineer for the geotechnical exploration, pavement cores and laboratory testing for the rehabilitation which included reconstruction or milling and resurfacing of Taxiway Echo and connectors. Field study consisted of Standard Penetration Test (SPT) borings, BoreHole Permeability (BHP) tests, field CBR tests - Kessler Method, and 15 pavement cores. Performed limited laboratory testing on selected soil samples, including grain size analysis, organic content, and Modified proctor Tests. Also performed laboratory CBR tests (ASTM D1883). Provided subsurface information, soil profiles, and test results.		
	Taxiway Delta & Charlie Rehabilitation Project - Fort Lauderdale Executive Airport, Broward County, Florida	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable)
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Thomas served as the principal geotechnical engineer for the geotechnical services for the milling and resurfacing of Taxiway Delta & Charlie. Performed Standard Penetration Test (SPT) borings and pavement cores. Provided a geotechnical services report discussing the subsurface conditions found, groundwater conditions at the site, and pavement core test results.		
	Runway 15-33 Rehabilitation and Taxiway C Reconstruction, Lantana Airport, Palm Beach County, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2012
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Thomas was the principal in charge of the construction material testing and inspection services for the rehabilitation of runway 15-33 and reconstruction of Taxiway C. Services include inspection of asphalt plant supplier, density tests, LBR test, inspection and asphalt testing (during initial test section and production), miscellaneous concrete tests, asphalt cores, mix design reviews, and certification. Project required working night and weekend shifts.		



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kumar Vedula, P.E.	13. ROLE IN THIS CONTRACT Principal Geotechnical Engineer	14. YEARS EXPERIENCE <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">a. TOTAL</td> <td style="width: 50%; border: none;">b. WITH CURRENT FIRM</td> </tr> <tr> <td style="border: none; text-align: center;">20</td> <td style="border: none; text-align: center;">8</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	20	8
a. TOTAL	b. WITH CURRENT FIRM						
20	8						
15. FIRM NAME AND LOCATION (City and State) TIERRA SOUTH FLORIDA, INC. West Palm Beach, Florida							
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Engineering, Andhra University, India, 1992 MS Civil Engineering, University of Memphis, 1995		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No. 54873					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Society of Civil Engineers, Past President <i>Augered Cast-in-Place and Driven Pre-stressed Concrete Pile Field Performance Comparison</i> , Frizzi, R. P., & Vedula, R.V., Published in FHWA Resource Center, 83 rd Annual Transportation Research Board Meeting, Washington D.C., January 2004 <i>Improvement of soft clay using high pressure Jet Grout</i> , Chang, T.S., Vedula, R. V., and Chang, K.P., 4 th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, March 2001							

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Expansion of Runway 10R-28L, Fort Lauderdale – Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)
a.	(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 the geotechnical study for the proposed expansion of Runway 9R-27L and associated US-1/FEC railroad structures, high fill embankment, and MSE walls. SPT soil borings and sampling are being performed for US-1/FEC Railroad structures, MSE walls and high embankments. Maximum MSE wall height is expected to be about 65 ft. which is significantly higher than the normal practice in Florida. Performed pile capacity analysis for bridge structures. Provided analysis and recommendations for MSE walls and embankment fill as well as other geotechnical engineering recommendations.		
	T4 West Fuel Hydrant System, Fort Lauderdale – Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)
b.	(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 the geotechnical engineering study to explore the subsurface conditions at the site to enable an evaluation of acceptable foundation for the construction. Provided a geotechnical report summarizing findings as well as geotechnical recommendations regarding foundation design and soil parameters.		
	Northside Renovations at Fort Lauderdale Jet Center, Fort Lauderdale–Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable)
c.	(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 the geotechnical study for the construction of a hangar and office spaces, new pavement areas and resurfacing of existing pavement. Provided recommendations for site preparation, foundation design, floor slab design, lateral earth pressure, pavement design, and other construction considerations.		
	Taxiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport Broward County, Florida	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable)
d.	(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 the geotechnical study for the rehabilitation of Taxiway Bravo at Fort Lauderdale Executive Airport (FXE) in Broward County, Florida. The project was approximately 2 miles long. The rehabilitation included widening of Taxiway Charlie, Mike and November and milling and resurfacing Taxiway Bravo. Performed Standard Penetration Test (SPT) borings along Taxiway Bravo and exit ramps as well as pavement cores. Provided geotechnical report summarize findings as well as geotechnical recommendations regarding excavations, ground water control and pavement design.		
	Mounting Structures and Travel Lane at Remote Parking, Fort Lauderdale–Hollywood International Airport, Broward County, Florida	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable)
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Mr. Vedula was the senior engineer for the geotechnical engineering study to explore the subsurface conditions within or in close proximity to the proposed mounting structures and travel lane. Provided geotechnical engineering report with summary of groundwater and subsurface conditions. Also provided geotechnical recommendations and soil parameters for a drilled shaft foundation design system along with considerations for drilled shaft construction.		



F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1		
21. TITLE AND LOCATION <i>(City and State)</i> Fort Lauderdale Executive Airport, Taxiway Foxtrot Pavement Rehabilitation Project	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (if Applicable)</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)			

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Fernando Blanco	c. POINT OF CONTACT TELEPHONE NUMBER (954) 828-6536

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>	
Kimley-Horn was retained by the City of Fort Lauderdale to provide services for the pavement rehabilitation of Taxiway Foxtrot at Fort Lauderdale Executive Airport. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping. P-608 seal coat will be applied as an asphalt rejuvenation along Taxiways B, F5, L, and P north of the runway safety areas. Service on the project include engineering planning, design, construction observation, surveying, environmental, electrical, geotechnical testing and analysis, asphalt pavement testing services, preparation of opinion of probable construction cost, scheduling, and grant support services.	 

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Engineering
b.	(1) FIRM NAME Kimley-Horn Puerto Rico, LLC (KHPR)	(2) FIRM LOCATION <i>(City and State)</i> Guaynabo, PR	(3) ROLE Engineering
c.	(1) FIRM NAME Tierra South Florida	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Geotechnical Engineering
d.	(1) FIRM NAME Keith & Associates	(2) FIRM LOCATION <i>(City and State)</i> Pompano Beach, FL	(3) ROLE Surveying
e.	(1) FIRM NAME Hillers Electrical	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Electrical
f.	(1) FIRM NAME Dickey Consulting Services	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale	(3) ROLE DBE Compliance

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION (City and State) Relocation of Taxiway Kilo – Pompano Beach Airpark Pompano Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if Applicable) 2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT NAME Steven P. Rocco	c. POINT OF CONTACT TELEPHONE NUMBER (954)-786-4135
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn completed the design of the relocation of Taxiway Kilo at the Airpark. This will be the first federally funded project at the Airpark in many years. The project includes the relocation of Taxiway Kilo to meet then current FAA Design Standards. The taxiway is the full parallel serving Runway 10-28 and is integral to the flow of traffic into and out of the south side of the airport. Runway 10-28 is the critical cross-wind runway supporting the primary Runway 15-33. The most recently completed Master Plan Update (2008) reflects the closure of Runway 6-24 at some point in the future, leaving PMP with two runways. The following elements define the project.

- 1) Install a backbone drainage system within the limits of work consistent with the Airport Master Drainage Plan.
- 2) Where prudent, improve pavement geometry to be consistent with current advisory circular guidelines.
- 3) As a cost savings measure, use existing asphalt and base material to the best extent practical.
- 4) Relocate Taxiway edge lights and Airfield Guidance Signs as necessary. Use existing materials to the best extent practical. All sign faces were replaced due to weathering.
- 5) Provide air conditioning unit for cooling the existing Airfield Electrical Vault.
- 6) Construct new Taxiway Delta from Taxiway Lima to Runway 10-28.

Taxiway Kilo involved the rehabilitation and relocation of a parallel taxiway serving a major runway, similar to Taxiway F at FXE. Construction completed in January 2014 at a cost of \$3,028,000.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Project Management
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Civil design, Quality Assurance / Quality Control
c.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION (City and State) Boca Raton, FL	(3) ROLE Electrical Engineering
d.	(1) FIRM NAME Tierra South Florida	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Geotechnical Engineering

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION (City and State) Extension of Taxiway G – Pompano Beach Airpark Pompano Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (if Applicable) 2017 (est.)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT NAME Steven P. Rocco	c. POINT OF CONTACT TELEPHONE NUMBER (954)-786-4135
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kimley-Horn is currently designing the relocation of the primary taxiway serving the Airpark's primary runway, 15-33. The relocation was designed to be fully compliant with the geometry requirements implemented in FAA Advisory Circular (AC) 150/5300-13A, Change 1.

The scope of work includes demolishing Taxiway D between Taxiway B and Runway 6-24, relocating Taxiway M between Runway 15-33 and Taxiway D, constructing Taxiway G parallel to Runway 15-33 between Taxiway B and Runway 10-28, and constructing two connector taxiways between Taxiway G and Runway 15-33. All Taxiway G intersections were designed in compliance with the geometric criteria stated in FAA Advisory Circular (AC) 150/5300-13A, Change 1.

The project required professional engineering services for design of the taxiway relocation and corresponding connectors including demolition of the existing taxiway, mass grading, subgrade stabilization, base course and asphalt surface course paving, pavement markings, lighting and signage, and turfing.

This project required a complete redesign of the taxiway G geometry to comply with the requirements of FAA Advisory Circular 150/5300-13A, Change 1. It was split into two phases to both accommodate funding opportunities and to limit impacts to airfield operations.

Anticipated construction completion is January 2017 at a cost of \$3,660,000.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Project Management
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Civil design
c.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, FL	(3) ROLE Quality Assurance / Quality Control
d.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Electrical Engineering
e.	(1) FIRM NAME Tierra South Florida	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Geotechnical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Relocation of Taxiway Golf, Fort Lauderdale, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if Applicable) 2014

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Fernando Blanco	c. POINT OF CONTACT TELEPHONE NUMBER (954) 828-6536

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

Kimley-Horn designed the relocation of the parallel taxiway serving the Airport's cross wind runway, 13-31. The relocation was designed to be fully compliant with the geometry requirements implemented in FAA Advisory Circular (AC) 150/5300-13A. The scope of work includes demolishing Taxiway G between Taxiway C and Runway 13-31 and relocating it to the minimum offset distance. All Taxiway G intersections were designed in compliance with the geometric criteria stated in FAA Advisory Circular (AC) 150/5300-13A.

The project required professional engineering services for design of the taxiway relocation and corresponding connectors including demolition of the existing taxiway, mass grading, subgrade stabilization, base course and asphalt surface course paving, pavement markings, lighting and signage, and turfing. This project required a complete redesign of the Taxiway G geometry to comply with the requirements of FAA Advisory Circular 150/5300-13A, Change 1. The project was constructed in 2014 at a cost of \$1,464,000.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Project Management, Engineering, QA/QC
b.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Electrical Engineering
c.	(1) FIRM NAME Kimley-Horn and Associates, Inc	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Quality Control
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION (City and State) Daytona Beach International Airport, Cutover Taxiways Y, W2 and E2, Daytona Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if Applicable) 2013

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Volusia County	b. POINT OF CONTACT NAME Karen Feaster	c. POINT OF CONTACT TELEPHONE NUMBER (386) 248-8030

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
Kimley-Horn provided design, bidding, and construction phase services for the construction of Taxiways Y, W2, and E2 at the Daytona Beach International Airport—approximately 12,000 SY of new bituminous P-401 pavement. Design elements included reducing the confusion related to the signage at the intersection of Taxiway Whiskey and Taxiway Sierra by adding signage and markings, constructing a cutover Taxiway Y connecting Taxiway S and W, and relocating Taxiways W2 and E2. Prior to construction, Kimley-Horn led a detailed discussion covering the project's complete scope of work. The work would require the closing of Runway 16-34 (the airport's cross-wind runway) and parallel Taxiways W and E (critical taxiways that are the only connection between the north and south sides of the airfield). Accordingly, Kimley-Horn paid careful attention to the project's phasing. Special attention was given to the contractor's hours of operation, schedule for work (including what infrastructure would be closed and when), the airport's requirements for closing infrastructure, and Advisory Circular 150/5370-2F Operational Safety on Airports During Construction. Kimley-Horn also walked attendees through the recent changes to the AC 150/5370-2F. Kimley-Horn also participated in a stakeholders meeting that was attended by representatives from FAA, FDOT, Delta Air Lines, US Airways, Embry-Riddle Aeronautical University, NASCAR, Sheltair (FBO), ATP Jet Center (FBO), and others. During the meeting, Kimley-Horn led discussions regarding the project's scope of work and phasing. Once Notice to Proceed was given to the contractor, Kimley-Horn's responsibilities included reviewing and responding to Requests for Information (RFIs), reviewing shop drawings and submittals, reviewing change order requests, performing periodic field visits to review conformance with contract documents, completing FAA quarterly progress reports, and attending construction coordination meetings. During the construction of Taxiway E2, the contractor unearthed several large tree trunks while preparing the taxiway's base for construction. This was an unforeseen field condition which required immediate attention as the contractor could not proceed until the issue was resolved. Upon being notified, Kimley-Horn traveled on a Sunday evening to Daytona to be on site first thing on Monday morning to tour the found condition and determine a solution. Ultimately, Kimley-Horn decided that the best and most economical solution would be to excavate and remove the organic material and replace it with clean fill. The field directive required revisions to plans, including regrading certain areas where the organic material was found. Similarly, clay was found while the contractor was excavating to construct the connections of Taxiways W2 and E2 to Runway 16-34. The material was poor construction material and Kimley-Horn determined that the most economical method for correcting the existing condition was to excavate and remove the clay. These two construction issues were resolved quickly with minimal impacts to construction schedule and cost. They serve as examples of Kimley-Horn's dedication to resolving construction issues immediately and ensuring that projects stay on schedule. The project required closure of Runway 16-34 (the airport's cross-wind runway) and parallel Taxiways W and E (critical taxiways that are the only connection between the north and south sides of the airfield). Careful attention to project phasing, scheduling, and coordination with stakeholders was required. During construction, two unexpected issues were discovered: 1) large tree trunks were discovered in the proposed base while excavating Taxiway E2 and 2) clay was found at the intersection of Runway 16-34 and the proposed base for Taxiways E2 and W2. Both issues were resolved quickly with little impact to schedule and project cost.		



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Engineering
	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE FAA Coordination
c.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION (City and State) Tampa International Airport, East Airfield Pavement Rehabilitation, FY 15, 16, and 17, Tampa, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016- Design	CONSTRUCTION (if Applicable) Ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Hillsborough County Aviation Authority	b. POINT OF CONTACT NAME Scott Nesbitt	c. POINT OF CONTACT TELEPHONE NUMBER (813) 870-7832

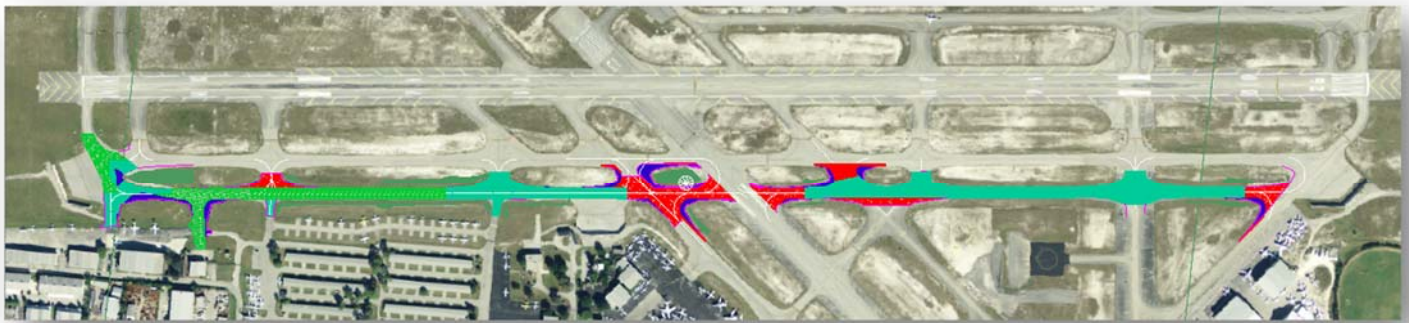
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>	
Kimley-Horn provides professional design services for HCAA's airfield pavement rehabilitation program at Tampa International Airport. Services under this contract include the design to remove, rehabilitate, and reconstruct taxiway, taxilane, and apron asphalt and concrete pavements, as well as improve pavement markings located throughout the airfield. Other services will include electrical, drainage, construction inspection, cost estimating, scheduling, surveying geotechnical, and materials testing. Kimley-Horn has been assigned two task orders with HCAA—east airfield pavement rehabilitation and removal and remarking of taxiway and taxilane markings within the airfield movement area. The East Airfield Pavement Rehabilitation project included the rehabilitation of a substantial portion of the asphalt pavements east of Runway 1R/19L. This work was performed due to the poor condition of the pavements and recent FAA Advisory Circular changes that affected pavement geometry. The project included the rehabilitation of Taxiway E north of Taxiway J and connector Taxiway U to Runway 1R-19L. Work also included the rehabilitation of Taxiways G, N-1, and S, as well as the replacement of the connector taxiways to the FBO apron and rehabilitation of portions of the apron itself. Additionally, the project included the removal of Taxiways H and F.	

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a. b. c. d.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Engineering
	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Plantation, FL	(3) ROLE Quality Control
	(1) FIRM NAME Kimley-Horn Puerto Rico, LLC (KHPR)	(2) FIRM LOCATION (City and State) Guaynabo, PR	(3) ROLE Engineering
	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Raleigh, NC	(3) ROLE Electrical

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 7
21. TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Rehabilitation of Taxiway Echo Fort Lauderdale, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if Applicable)
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Fernando Blanco	c. POINT OF CONTACT TELEPHONE NUMBER 954-828-6536
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Taxiway Echo is the secondary parallel taxiway serving the primary runway, 8-26, at FXE. Existing issues to be addressed in the design included reconfiguration of a hot-spot, reconstruction of failed pavements, and geometry updates to comply with FAA Advisory Circular (AC) 150/5300-13A, Change 1.

Kimley-Horn served as the prime consultant on the team that provided design services, including pavement structural design and evaluation, plans preparation, cost estimates, technical specifications, engineers report, and bid phase services for this project. Taxiway Echo is 6,200 feet long and 50-feet wide serving as the secondary parallel to primary Runway 8-26. The project consisted of geotechnical investigation, pavement design, hot spot removal, geometry updates, drainage improvements, signage, marking, and electrical updates.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn and Associates	(2) FIRM LOCATION (City and State) West Palm Beach	(3) ROLE Project Management
b.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION (City and State) Boca Raton	(3) ROLE Electrical Engineering
c.	(1) FIRM NAME Tierra South Florida	(2) FIRM LOCATION (City and State) West Palm Beach	(3) ROLE Geotechnical Engineering
d.	(1) FIRM NAME Dickey Consulting Services	(2) FIRM LOCATION (City and State) Fort Lauderdale	(3) ROLE DBE Support Services
e.	(1) FIRM NAME Keith and Associates	(2) FIRM LOCATION (City and State) Pompano Beach	(3) ROLE Surveying
f.	(1) FIRM NAME Kimley-Horn and Associates	(2) FIRM LOCATION (City and State) Orlando	(3) ROLE Grant Support Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 8		
21. TITLE AND LOCATION (City and State) Naples Municipal Airport Pavement Analysis and Rehabilitation (includes Taxiway Alpha East and Taxiway Alpha West), Naples, FL	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%;">CONSTRUCTION (if Applicable)</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER City of Naples Airport Authority	b. POINT OF CONTACT NAME Ryan Frost	c. POINT OF CONTACT TELEPHONE NUMBER (954) 828-6536		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> The Naples Airport Authority selected Kimley-Horn as its airfield pavement consultant in March 2008. As our initial assignment, we completed a comprehensive structural analysis of all airfield pavement components, including runways, taxiways, and aircraft parking aprons. A multiyear, staged program of rehabilitation and replacements was recommended and subsequently adopted by the Authority at its November 2008 board meeting. Rehabilitation of all existing pavements is anticipated to cost nearly \$20 million over the next five to six years. Other recommended alternative modifications and airfield improvements would increase that cost by an additional \$8 million. Projects thus far include: Project #1 – Rehabilitation of Taxiway A East and the Runway 23 Bypass. The initial project rehabilitated 2,900 feet of parallel Taxiway A and 400 feet of Runway 23. The project was bid in February 2009 and received 95 percent FAA discretionary grant funding. This milling and overlay project was performed in two 24-hour construction phases in April and August 2009. Due to favorable bid prices, an additional rehabilitation of 2,700 feet of Taxiway C South was change ordered into the project. The overall construction cost was \$846,800. Project #2 – Rehabilitation of Taxiway A West. The second project rehabilitates the westerly 2,800 feet of parallel Taxiway A. The project was bid in March 2009 and received 100 percent FAA stimulus grant funding. The extremely competitive bid pricing allowed the Authority to include the rehabilitation of Taxiway B North and Taxiway C North as a change order to the base contract. All work was performed in July 2009. The construction cost was \$652,300. Project #3 – Rehabilitation of the General Aviation Ramp. This project removed 29,200 square yards of 60-year-old concrete apron. Half of the area was replaced with new P-501 concrete and half with an asphalt pavement section. Apron grades were corrected to meet NFPA fire protection codes and provided new drainage with in-line oil/water separators. The project was advertised and bid in late April 2009. FAA grant funding was committed in September and the project was completed on December 21, 2009 on an accelerated schedule. The Authority used a combination of FAA entitlement funds, FDOT, and local funding to finance this \$2.6-million project. Kimley-Horn, in conjunction with the completion of an environmental assessment, was asked to prepare the final Airport Layout Plan (ALP) for FAA submittal. The issues that were challenging for the two-runway airport dealt with the displaced threshold on most of the runway ends, including the calculations for the declared distances to support runway safety areas within the airport property boundary. Additionally, future runway extensions to accommodate larger air carrier aircraft were considered and shown in the final drawing set. This ALP was submitted in March 2010, and we are awaiting FAA approval. Project #4 – Runway 5-23 Rehabilitation. This project rehabilitated Runway 5-23, the primary runway at Naples Municipal Airport. Rehabilitation was performed by mill and overlay of this existing 5,290-foot by 100-foot bituminous asphalt runway. The project was bid in April 2010 and received 95 percent FAA funding. This project was performed on a two-week, 24-hour construction phase in October 2010. The overall construction cost was \$2 million. Project #5– Runway 5-23 Threshold Improvement Project. Kimley-Horn provided design and construction-phase services for the Naples Municipal Airport Runway 5-23 Threshold Improvements project. This project included improving the existing 290-foot threshold displacement on the Runway 5 end by 510 feet and creating an 800-foot displaced threshold on the Runway 23 end of the runway. Both paved displaced thresholds were 150 feet wide and included a 100-foot by 150-foot blast pad at each end. Additional work on the project included 50-foot-wide extensions of Taxiway A and Taxiway D to provide access to the improved displaced thresholds. Specific elements associated with threshold improvements project included: clearing, grubbing, and earthwork; new bituminous asphalt pavement construction; runway grooving; pavement markings; drainage improvements including the creation of new on-site stormwater areas and the installation of culverts; erosion control; and installation of runway lighting and signage for the displaced thresholds and taxiways. Kimley-Horn design services included preparing construction plans and specifications for the design of the threshold improvements and associated work, revisions to the Airport Layout Plan, and an environmental assessment (EA). The EA included detailed gopher tortoise and burrowing owl surveys, Phase I environmental site assessments, cumulative impact assessments, detailed alternatives analysis, and public involvement. The EA resulted in the issuance of a Finding of No Significant Impact (FONSI) and allowed the development to proceed with minimal mitigation efforts. Total project cost: \$2.3 million.				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Project Management, Airfield Design, Pavement Design, Construction phase services	
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Orlando, FL	(3) ROLE Quality assurance/quality control	
c.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Tampa, FL	(3) ROLE Construction engineering inspection	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 9
21. TITLE AND LOCATION (City and State) Fort Lauderdale Executive Airport (FXE) Taxiway Charlie and Delta Rehabilitation Fort Lauderdale, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (if Applicable) 2012

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Fernando Blanco	c. POINT OF CONTACT TELEPHONE NUMBER 954-828-6536
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Taxiways Charlie and Delta as well as their associated taxiway connectors were showing severe signs of longitudinal and transverse cracking, depressions, and weathering. Kimley-Horn provided design and construction phase services to rehabilitate 1,985 linear feet of Taxiway Charlie and 1,620 linear feet of Taxiway Delta. The project consisted of milling and overlaying existing bituminous pavements, grade correction, pavement striping, new airfield signage, and replacing all edge lighting with LED lights.

Asphalt pavement cores were taken on the existing pavement to determine asphalt thickness, the depth of the cracks, and the damage to the underlying layers to determine what degree of rehabilitation would be required. The FAA Rigid and Flexible Iterative

A Elastic Layered Design (FAARFIELD) modeling program was used to create pavement models and determine if the existing pavement sections would be adequate to meet future loading requirements. Based on the analyses, additional asphalt strengthening was recommended for portions of the taxiways.

As part of the project, three full strength taxiway connectors were constructed to the east shoulder of Taxiway Charlie to eliminate the possibility of aircraft parking within the Taxiway Safety Area.

Careful construction phasing was required as access to tenant/fixe base operator ramps and the Customs ramp needed to be maintained during daylight hours.

Construction commenced in spring 2012 and was concluded in December 2012. The project was completed on time, and was under budget with no change orders being issued.

Total project cost: \$1.68 million - construction



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Civil design, construction phase services
b.	(1) FIRM NAME Hillers Electrical Engineering	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Electrical Engineering
c.	(1) FIRM NAME Tierra South Florida	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Geotechnical Engineering
d.	(1) FIRM NAME Keith and Associates	(2) FIRM LOCATION <i>(City and State)</i> Pompano Beach, FL	(3) ROLE Surveying

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 10		
21. TITLE AND LOCATION (City and State) General Engineering Consultant and Project Specific Consultant- Southwest Florida International Airport (RSW), Fort Meyers, FL	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%;">CONSTRUCTION (if Applicable)</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if Applicable)			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER Lee County Port Authority	b. POINT OF CONTACT NAME Adam Nguyen	c. POINT OF CONTACT TELEPHONE NUMBER (239) 590-4610		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> Kimley-Horn was selected in 2011 as one of the Authority's General Consultants serving Southwest Florida International Airport (RSW) and Page Field (FMY). A representation of the tasks assigned to date include the following. Federal Tiger Grant Application Assistance. KHA has supported the Port Authority Staff in the pursuit of Tiger 3 and 4 Grant Funds. The Authority has requested Federal Assistance for a series of roadway improvements around RSW including a new I-75 airport connector, entrance road improvements, and perimeter road improvements to provide access to future industrial and commercial development. In support of this effort, KHA has performed a variety of support task including preparation of Benefits/Cost Analysis (BCA). This analysis included reviewing the Long Term Outcome Net Benefits including the State of Good Repair, Economic Competitiveness, Livability Benefits, Sustainability, and Safety. Apron Expansion and Airfield Improvement. KHA is providing engineering services to evaluate, recommend, and program the airside facilities for potential concourse expansion and aircraft hardstand positions. Our team used Aeroturn software to plan aircraft taxiing and parking movements and prepared a decision matrix with more than 20 possible options for aircraft taxing and parking. From the options, cost estimates were prepared and a recommended course of action developed. Phase 1 of the program includes portions of the cross field taxiway for the new parallel runway. KHA acted as a subconsultant to the program manager, providing some plan preparation assistance, quality control reviews, scope negotiations, program management, and quality control. This first phase of work is under construction with a contract value of approximately \$25 million. RSW Mitigation Park. KHA completed an exotic and nuisance species mapping, Mitigation Park Evaluation Report and prepared technical specifications for exotic and nuisance species control at the 7000 acre Mitigation Park. Additionally, KHA provided construction monitoring services of the work conducted by the exotic/nuisance plant species control contractor. Checkpoint Evaluation - RSW experienced significant delays at each of the three security screening checkpoints (SSCP) in March 2012 which resulted in excessive passenger wait times. To assess this congestion, the Authority engaged KHA to complete a preliminary analysis for the SSCP's at RSW. KHA completed the analysis, which resulted in a recommendation to increase the number of screening lanes at each of the three checkpoints both to resolve the current peak wait times, as well as plan for future growth. Building on this analysis, KHA has prepared schematic layouts of the checkpoint improvements, as well as studied the possibility of relocating the checkpoints to a more centralized location. Further, the effort has now evolved into programming the addition of Concourse A to the existing facility and how passenger would be screened, as well as required ticket counter and back office space. Parcel Development Evaluation. The Port Authority engaged KHA to perform a due diligence review of potential development of Parcels E and F in the Skyplex area of RSW. The property had previously been leased for development but the program had fallen through and the property rights reverted back to the Port Authority. The review included review of public records to determine permits and entitlements received on the property and their status, including the South Florida Water Management District, U.S. Army Corps of Engineers, Lee County development and site plan approvals, and the Federal Aviation Administration. In addition, local land clearing contractors were contacted and rough estimates of cost to the clear the property were prepared. A report was prepared summarizing the findings of the research and recommendations made on potential development options that would enhance the value of the property. RSW Runway 6-24 Pavement Classification. KHA calculated the Pavement Classification Number (PCN) for Runway 6-24 at RSW. The PCN number is required to meet FAA requirements for projects funded with grant and Passenger Facility Charge (PFC) monies. The PCN is a number that expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load. In order to obtain the PCN, KHA evaluated the current and predicted aircraft traffic and runway utilization, worked with a geotechnical firm in obtaining existing California Bearing Ratios (CBR) for the existing subgrade and ultimately computed the PCN by the Technical Evaluation Methods as outlined in FAA AC 150/5335-5B.				

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Project management, scope negotiations, program management, quality control, aviation engineering
b.	(1) FIRM NAME Kimley-Horn and Associates, Inc.	(2) FIRM LOCATION (City and State) Vero Beach, FL	(3) ROLE Environmental

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
Tom O'Donnell III, P.E.	Project Manager	X		X	X	X	X	X	X	X	X
Mike Carey, P.E.	Principal-in-Charge	X	X	X			X		X		X
Eileen Velez-Vega, P.E.	Quality Assurance/Quality Control	X	X		X		X	X	X	X	
Carlos Maeda, P.E.	Grant/DBE Support		X			X					
Chris Demeter, PSM	Airport GIS										
Julia Focaracci, E.I.	Airfield/Construction Phase Services/Bidding Assistance		X	X							X
Mike Norby, P.E.	Pavement Design				X						
Ed Joyner, III, P.E.	Electrical Design						X				
Brady Walker	Environmental Services/Permitting – Environmental		X	X							X
Meredith Aiken, CWD	Environmental Services										
Dickey Consulting Services	DBE Reporting	X						X			
Hillers Electrical Engineering	Electrical Engineering	X	X	X	X	X		X	X	X	
Keith & Associates	Survey	X						X		X	
Tierra South Florida	Geotechnical Investigation	X	X					X		X	

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Fort Lauderdale Executive Airport, Taxiway Foxtrot Pavement Rehabilitation Project	6	Tampa International Airport, East Airfield Pavement Rehabilitation, FY 15, 16, and 17
2	Relocation of Taxiway Kilo – Pompano Beach Airpark	7	Fort Lauderdale Executive Airport (FXE) Rehabilitation of Taxiway Echo
3	Extension of Taxiway G – Pompano Beach Airpark	8	Naples Municipal Airport Pavement Analysis and Rehabilitation (includes Taxiway Alpha East and
4	Fort Lauderdale Executive Airport (FXE) Taxiway Golf Relocation	9	Fort Lauderdale Executive Airport (FXE) Taxiway Charlie and Delta Rehabilitation
5	Daytona Beach International, Cutover Taxiways Y, W2 and E2	10	Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Kimley-Horn is proud of the trust Fort Lauderdale Executive Airport has placed in us over the past 13 years. From our variety of aviation services ranging from design, rehabilitation, and relocation of your taxiways and runways, we have developed an unmatched historical knowledge of your airport and strong relationships with your staff and stakeholders.

Our local and national aviation experts stand ready to meet the challenges of relocating Taxiway Foxtrot. Its coordination with two current and neighboring Kimley-Horn-lead projects —the rehabilitation of the western portion of Taxiway Foxtrot and the redevelopment of Sheltair to the north — will be vital. This project requires a team with our knowledge, passion, and commitment to you. This submittal highlights all of these features and our approach to a successful project.



I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

L. Michael Carey

33. NAME AND TITLE

L. Michael Carey, P.E., Vice President

32. DATE

10/19/2016

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

9. EMPLOYEES BY DISCIPLINE			
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	
02	Administrative	217	2
12	Civil Engineers	938	22
13	Communications Engineers	32	3
15	Construction Inspectors	12	1
63	Design Technicians	66	1
47	Planners: Urban/Regional	57	1
48	Project Managers	180	3
65	Technical Support	215	3
58	Technician/Analysts	317	8
60	Transportation Engineers	272	7
	Other Employees	508	0
Total		2814	51

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
A05	Airports; Navajds; Airport Lighting; Aircraft	4
A06	Airports; Terminals; & Hangars; Freight	4
C08	Codes; Standards; Ordinances	1
C10	Commercial Building; (low rise); Shopping	4
C11	Community Facilities	1
C12	Communications Systems; TV; Microwave	2
E04	Electronics	4
G01	Garages; Vehicle Maintenance Facilities;	3
H07	Highways; Streets; Airfield Paving; Parking	4
H10	Hotels; Motels	1
H11	Housing (Residential, Multifamily,	3
I04	Intelligent Transportation Systems	4
L03	Landscape Architecture	2
O01	Office Building; Industrial Parks	1
P05	Planning (Community; Regional; Areawide &	2
P06	Planning (Site, Installation and Project)	2
R03	Railroad and Rapid Transit	5
R04	Recreational Facilities (Parks; Marinas; etc.)	3
S13	Stormwater Handling & Facilities	2
T03	Traffic & Transportation Engineering	5
U02	Urban Renewals; Community Development	1
W02	Water Resources; Hydrology; Ground Water	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

ARCHITECT – ENGINEER QUALIFICATIONS1. SOLICITATION NUMBER (if any)
Solicitation 276-11830**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 1968	5. DUNS NUMBER 061099131
2b. STREET 1920 Wekiva Way, Suite 200			5. OWNERSHIP	
2c. CITY West Palm Beach			2d. STATE FL	2e. ZIP CODE 33411
6a. POINT OF CONTACT NAME AND TITLE Tom O'Donnell III, P.E., Engineer			a. TYPE Corporation	
6b. TELEPHONE NUMBER 561-845-0665			b. SMALL BUSINESS STATUS No	
6c. E-MAIL ADDRESS tom.odonnell@kimley-horn.com			7. NAME OF FIRM (If block 2a is a branch office)	
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	217	20
08	CADD Technicians	99	5
12	Civil Engineers	938	28
13	Communications Engineers	32	3
15	Construction Inspectors	12	1
63	Design Technicians	66	5
23	Environmental Engineers	20	1
66	Graphic Designers	37	3
39	Landscape Architects	94	3
42	Mechanical Engineers	9	5
48	Project Managers	180	10
57	Structural Engineers	59	3
65	Technical Support	215	14
64	Technical Writers	85	7
58	Technician/Analysts	317	9
60	Transportation Engineers	272	9
	Other Employees	162	0
Total		2814	126

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	3
	Bridges	3
C10	Commercial Building; (low rise); Shopping	2
D03	Desalinization (Process & Facilities)	2
E01	Ecological & Archeological Investigations	1
E09	Environmental Impact Studies, Assessments	3
E12	Environmental Remediation	2
F05	Forensic Engineering	1
G01	Garages; Vehicle Maintenance Facilities;	1
H01	Harbors; Jetties; Piers; Ship Terminal	1
H07	Highways; Streets; Airfield Paving; Parking	8
I01	Industrial Buildings; Manufacturing Plants	2
O01	Office Building; Industrial Parks	1
P06	Planning (Site, Installation and Project)	6
R04	Recreational Facilities	3
S04	Sewage Collection, Treatment & Disposal	1
S09	Structural Design; Special Structures	3
S10	Surveying; Platting; Mapping; Flood Plain	3
S13	Stormwater Handling & Facilities	3
T03	Traffic & Transportation Engineering	6
W02	Water Resources; Hydrology; Ground Water	3
W03	Water Supply, Treat, Distrib	5

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

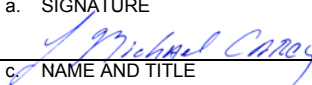
a. Federal Work	3
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	c. DATE October 18, 2016
c. NAME AND TITLE L. Michael Carey, P.E., Vice President	

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

[illegible]

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
		1. Less than \$100,000	6. \$2 million to less than \$5 million
		2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
a. Federal Work	1	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
b. Non-Federal Work	6	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
c. Total Work	6	5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

9. EMPLOYEES BY DISCIPLINE			
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	
02	Administrative	217	13
08	CADD Technicians	99	3
12	Civil Engineers	938	22
13	Communications Engineers	32	1
63	Design Technicians	66	1
26	Forensic Engineers	1	1
66	Graphic Designers	37	2
39	Landscape Architects	94	3
47	Planners: Urban/Regional	57	1
48	Project Managers	180	6
65	Technical Support	215	2
64	Technical Writers	85	9
58	Technician/Analysts	317	11
60	Transportation Engineers	272	9
	Other Employees	204	2
	Total	2814	86

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; Nav aids; Airport Lighting; Aircraft	5
A06	Airports; Terminals; & Hangars; Freight	3
C08	Codes; Standards; Ordinances	2
C10	Commercial Building; (low rise); Shopping	5
C15	Construction Management	3
D04	Design-Build - Preparation of Requests for	1
E02	Educational Facilities; Classrooms	1
E09	Environmental Impact Studies, Assessments	1
F05	Forensic Engineering	3
H07	Highways; Streets; Airfield Paving; Parking	6
H11	Housing (Residential, Multifamily,	1
I04	Intelligent Transportation Systems	4
L03	Landscape Architecture	3
O01	Office Building; Industrial Parks	2
P06	Planning (Site, Installation and Project)	2
R03	Railroad and Rapid Transit	1
R04	Recreational Facilities (Parks; Marinas; etc.)	2
S13	Stormwater Handling & Facilities	1
T03	Traffic & Transportation Engineering	5
U02	Urban Renewals; Community Development	3
W03	Water Supply; Treatment and Distribution	1

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

9. EMPLOYEES BY DISCIPLINE			
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	
02	Administrative	217	7
08	CADD Technicians	99	5
12	Civil Engineers	938	16
13	Communications Engineers	32	1
15	Construction Inspectors	12	1
63	Design Technicians	66	1
38	Land Surveyors	13	2
39	Landscape Architects	94	0
47	Planners: Urban/Regional	57	0
48	Project Managers	180	6
65	Technical Support	215	7
64	Technical Writers	85	0
58	Technician/Analysts	317	5
60	Transportation Engineers	272	1
	Other Employees	217	0
	Total	2814	52

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; Navajds; Airport Lighting; Aircraft	6
A06	Airports; Terminals; & Hangars; Freight	4
B02	Bridge Design	3
C08	Codes; Standards; Ordinances	3
C10	Commercial Building; (low rise); Shopping	3
C12	Communications Systems; TV; Microwave	5
C15	Construction Management	3
D04	Design-Build - Preparation of Requests for	4
E09	Environmental Impact Studies, Assessments	2
F05	Forensic Engineering	6
H07	Highways; Streets; Airfield Paving; Parking	7
O01	Office Building; Industrial Parks	2
P05	Planning (Community; Regional; Areawide &	2
R04	Recreational Facilities (Parks; Marinas; etc.)	2
R11	Rivers Canals; Waterways; Flood Control	3
S04	Sewage Collection, Treatment & Disposal	3
S07	Solid Wastes; Incineration; Landfill	3
S09	Structural Design; Special Structures	2
T03	Traffic & Transportation Engineering	6
U02	Urban Renewals; Community Development	2
W02	Water Resources; Hydrology; Ground Water	2
W03	Water Supply; Treatment and Distribution	5

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

[illegible]

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	4	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	4	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

1. SOLICITATION NUMBER (If any)
Solicitation 276-11830

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

9. EMPLOYEES BY DISCIPLINE

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

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

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

The foregoing is a statement of facts.

AUTHORIZED FOR LOCAL REPRODUCTION

ARCHITECT – ENGINEER QUALIFICATIONS1. SOLICITATION NUMBER (If any)
Solicitation 276-11830**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 1967	11. DUNS NUMBER 061099131
2b. STREET 421 Fayetteville Street, Suite 600			5. OWNERSHIP	
2c. CITY Raleigh			2d. STATE NC	2e. ZIP CODE 27601
6a. POINT OF CONTACT NAME AND TITLE Ed Joyner, III, Ph.D., P.E., Engineer / Electrical			a. TYPE Corporation	
6b. TELEPHONE NUMBER 919-677-2000			b. SMALL BUSINESS STATUS No	
6c. E-MAIL ADDRESS ed.joyner@kimley-horn.com			7. NAME OF FIRM (If block 2a is a branch office)	
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	217	52
08	CADD Technicians	99	6
12	Civil Engineers	938	12
13	Communications Engineers	32	1
14	Computer Programmers	2	1
63	Design Technicians	66	7
21	Electrical Engineers	14	1
23	Environmental Engineers	20	2
24	Environmental Scientists	17	1
66	Graphic Designers	37	5
34	Hydrologists	11	2
39	Landscape Architects	94	2
48	Project Managers	180	14
57	Structural Engineers	59	14
65	Technical Support	215	27
64	Technical Writers	85	7
58	Technician/Analysts	317	18
60	Transportation Engineers	272	29
	Other Employees	139	1
Total		2814	202

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)
B02	Bridge Design	4
C08	Codes; Standards; Ordinances	4
C10	Commercial Building; (low rise); Shopping	5
C12	Communications Systems; TV; Microwave	2
D04	Design-Build - Preparation of Requests for	4
E02	Educational Facilities; Classrooms	2
E04	Electronics	5
E09	Environmental Impact Studies, Assessments	3
E11	Environmental Planning	3
G01	Garages; Vehicle Maintenance Facilities;	4
H07	Highways; Streets; Airfield Paving; Parking	6
H09	Hospitals & Medical Facilities	2
H11	Housing (Residential, Multifamily,	3
I04	Intelligent Transportation Systems	6
O01	Office Building; Industrial Parks	4
P05	Planning (Community; Regional; Areawide &	2
P06	Planning (Site, Installation and Project)	3
R04	Recreational Facilities (Parks; Marinas; etc.)	4
S09	Structural Design; Special Structures	5
T03	Traffic & Transportation Engineering	6
U02	Urban Renewals; Community Development	3
W02	Water Resources; Hydrology; Ground Water	4

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

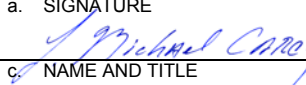
a. Federal Work	4
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	i. DATE October 18, 2016
c. NAME AND TITLE L. Michael Carey, P.E., Vice President	

1. SOLICITATION NUMBER (If any)

276-11830

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME Dickey Consulting Services, Inc.			3. YEAR ESTABLISHED 1995	4. DUNS NUMBER 133416144
2b. STREET 1033 NW 6 Street, Suite 206			5. OWNERSHIP a. TYPE Corporation	
2c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33311	b. SMALL BUSINESS STATUS DBE	
6a. POINT OF CONTACT NAME AND TITLE [Sheryl A. Dickey, President/CEO]			7. NAME OF FIRM (If block 2a is a branch office) N/A	
6b. TELEPHONE NUMBER 954-467-6822	6c. E-MAIL ADDRESS sdickey@dickeyinc.com			
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR ESTABLISHED N/A	8c. DUNS NUMBER N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
	Public Relations/DBE Liaison services	7	3		Public Relations/DBE Liaison Services	4
Total						

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	4	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	4	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 10/20/2016
c. NAME AND TITLE Sheryl A. Dickey, President/CEO	

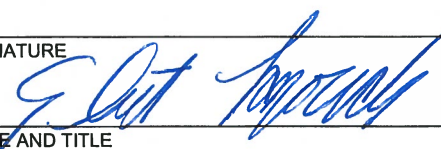
ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)
276-11830

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

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) Firm	(2) Branch			
02	Administrative	9		A06	Airports; Terminals and Hangars	6
08	CADD Technician	6	1	B02	Bridges	2
12	Civil Engineer, PE	7	1	C07	Coastal Engineering	2
15	Construction Inspector	7		C10	Commercial Building (Low Rise)	5
16	Construction Manager	2		C11	Community Facilities	6
29	G.I.S. Specialist	2		C15	Construction Management	6
38	Land Surveyor, PLS	5	1	C16	Construction Surveying	4
39	Landscape Architect, RLA	2		E02	Educational Facilities	4
47	Planner: Urban/Regional	2		F02	Field Houses; Gyms; Stadiums	3
48	Project Manager	6		G04	G.I.S. Services; Development, Analysis	2
53	Scheduler	1		H07	Highways, Streets, Airfield Paving	4
	Landscape Designer	3		H09	Hospitals & Medical Facilities	3
	Project Surveyor	3		I06	Irrigation; Drainage	3
	Survey Field Crew	22	3	L03	Landscape Architecture	5
	Subsurface Utility Engineer	2		P05	Planning (Community, Regional ...)	3
	Subsurface Utility Field Crew	6		R03	Railroad; Rapid Transit	3
	Utility Coordinator	3		R04	Recreation Facilities (Parks, Marinas, etc)	4
	VDC/BIM	1	1	S10	Surveying; Platting; Mapping; Flood Study	3
				S13	Storm Water handling & Facilities	3
				T04	Topographic Surveying & Mapping	4
				W03	Water Supply; Treatment & Distribution	2
				Z01	Zoning; Land Use Studies	2
Total		89	7			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	N/A	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 10/26/16
c. NAME AND TITLE Eliot Lazowick, Executive Vice President	

1. SOLICITATION NUMBER (If any)

276-11830

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME TIERRA SOUTH FLORIDA, INC.					3. YEAR ESTABLISHED 2003		4. DUNS NUMBER 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				
6a. POINT OF CONTACT NAME AND TITLE Raj Krishnasamy, P.E., President/Principal Engineer					b. SMALL BUSINESS STATUS FDOT UCP DBE Florida Statewide OSD MBE			
6b. TELEPHONE NUMBER (561) 687-8536		6c. E-MAIL ADDRESS Raj@TierraSF.com			7. NAME OF FIRM (<i>If block 2a is a branch office</i>) N/A			
8a. FORMER FIRM NAME(S) (<i>If any</i>) N/A					8b. YR. ESTABLISHED N/A		8c. DUNS NUMBER N/A	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS				
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience		c. Revenue Index Number (see below)	
		(1) FIRM	(2) BRANCH					
2	Administrative	6	6	S05	Soils and Geologic Studies; Foundations		6	
8	CADD Technician	2	2	T02	Testing and Inspection Services		6	
27	Foundation/Geotechnical Eng	5	5					
58	Technician/Analyst	30	30					
58	Technician/Inspector	6	6					
Total		49	49					
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER						
a. Federal Work		6		1. Less than \$100,000.		6. \$2 million to less than \$5 million		
b. Non-Federal Work		6		2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
c. Total Work		6		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
				4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
				5. \$1 million to less than \$2 million		10. \$50 million or greater		

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE October 24, 2016
c. NAME AND TITLE Raj Krishnasamy, P.E., President/Principal Engineer	



4. ORGANIZATIONAL PROFILE AND PROJECT TEAM

The Kimley-Horn team will be led by our project manager, **Tom O'Donnell, P.E.** He will coordinate our subconsultant partners that include the following firms:

Dickey Consulting — *Grant/DBE Support*

Hiller Electrical Engineering — *Electrical Design*

Keith and Associates, Inc. — *Survey/Subsurface Utility Exploration*

Tierra South Florida — *Geotechnical/Material Testing Services*

More detailed information on our subconsultants can be found in Section 8.

Resumes of the Project Team

Resumes of the project team can be found in the SF 330 located in Section 3. In addition, the roles and responsibilities of each firm and individual team member can be found in the organization chart included in the SF 330.

Experience of the Project Manager



Tom O'Donnell, P.E. is a project manager with our West Palm Beach office. He has more than 16 years of experience providing planning, design, and zoning services for various aviation and civil projects. As a professional engineer, his primary responsibility is to solve problems; this begins with listening and understanding the needs of his clients. He has a thorough understanding of FAA standards with experience including project management, rehabilitation/new construction of several taxiways, runways, and ramps; airfield geometric and pavement design; airfield project phasing; pavement management; obstruction evaluation of tall structures (Part 77); design of helicopter landing facilities; structural steel and concrete design; and security/access control including barriers to prevent errant vehicles from entering unauthorized facilities. Tom also has extensive experience in administering construction projects. He has the knowhow to serve as an extension of your staff performing comprehensive design, bid, and construction phase services. His expertise runs the breadth and depth of projects, from conceptual design to enforcing the contract documents during construction. Tom earned his Bachelor of Science degree in Civil Engineering from the University of Florida. He is a Professional Engineer in Florida and Puerto Rico.

Please also refer to Tom's SF 330 Section E resume in Section 3.



Project Manager

Quality Assurance/ Quality Control

Eileen Velez-Vega, P.E.

Project Manager

Tom O'Donnell, P.E.

Principal-in-Charge

L. Michael Carey, P.E.

Support Services

Grant Support

Sheryl Dickey (DCS)
Carlos Maeda, P.E. (KHA)

Surveying/ Subsurface Utility Exploration

Tim Gray, PSM (KA)
Daniel Checchia (KA)

Geotechnical/Material Testing Services

Raj Krishnasamy, P.E. (TSF)
Francois Thomas, P.E. (TSF)
Ramakumar Vedula, P.E. (TSF)

DBE Support

Sheryl Dickey (DCS)
Carlos Maeda, P.E. (KHA)

Airport GIS

Chris Demeter, PSM (KHA)
Lee Powers, PSM (KA)

General Engineering

Airfield

Tom O'Donnell, P.E. (KHA)
Mike Carey, P.E. (KHA)
Julia Focaracci, E.I. (KHA)

Electrical Design

Paul Hillers, P.E. (HEE)
Amy Champagne-Baker, P.E. (HEE)
James Kappes, P.E. (HEE)
Ed Joyner, P.E. (KHA)

Pavement Design

Eileen Velez-Vega, P.E. (KHA)
Mike Norby (KHA)

Construction Phase Services/ Bidding Assistance

Tom O'Donnell, P.E. (KHA)
Julia Focaracci, E.I. (KHA)
Mark Luther, P.E. (HEE)

Environmental Services

Brady Walker (KHA)
Meredith Aiken (KHA)

Permitting - Environmental

Brady Walker (KHA)

Drainage Services

Stefano Viola, P.E. (KHA)
Britt Stephens, P.E. (KHA)
Jon Martin, P.E. (KHA)

LEGEND

KHA	Kimley-Horn and Associates, Inc.
DCS	Dickey Consulting Services, Inc. (DBE), (MBE)
HEE	Hillers Electrical Engineering, Inc.
KA	Keith and Associates, Inc. (DBE)
TSF	Tierra South Florida, Inc. (DBE), (MBE)

Working closely with Tom O'Donnell are individuals committed to the success of this project.



Mike Carey, P.E. has 36 years of aviation service, gaining in-depth experience in all facets of airport operations and development. His specialty is in airside design and construction including runways, taxiways, and aprons. He spent the last 20 years designing airside improvement projects ranging from general aviation to air carrier facilities. Beginning as an employee of the Federal Aviation Administration (FAA) Mike learned the functions, duties and roles of the FAA. Over the past five years he has managed projects with several clients in Florida and assisted other aviation professionals in project throughout the County.



Eileen Velez-Vega, P.E. has 12 years of experience and specializes in pavement management, design, and non-destructive testing and evaluation. Her experience also includes project management of airfield projects including pavement grading, geometry, phasing, cost estimates, and technical specifications, as well as bid phase services, pavement design, pavement management, and inspection for construction services. In the last four years at Kimley-Horn, Eileen has worked in the pavement management program for aviation airports such as the Fort Lauderdale Executive Airport (FXE) and the Tallahassee Regional Airport (TLH). She has also led the production of the design and construction of airport runways, taxiways and aprons, as well as Airport Rescue and Fire Fighting (ARFF) Facilities, U.S. Customs and Border Protection Facilities, and terminal airside work.



Carlos Maeda, P.E. has 36 years of progressively responsible experience in aviation, transportation and public infrastructure projects, planning, design, and construction management. His professional background includes administrative management and business development, in addition to technical experience. He served with the Federal Aviation Administration (FAA) as program manager, technical expert, and principal advisor and has been a tireless advocate for his clients to obtain additional funds from the FAA's Airport Improvement Program (AIP).



Julia Focaracci, E.I. is an engineering analyst with three years of experience in with aviation projects in south Florida, including at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale-Hollywood International Airport, (FLL) and Pompano Beach Airpark (PMP). She completed FDOT Pavement Management Training.



Brady Walker has 12 years of experience conducting endangered species surveys, delineating wetlands, designing wetland mitigation and restoration areas, and permitting projects throughout Florida and California. His primary area of focus has been on the east coast of Florida from Brevard County south through Miami-Dade County. He has worked closely with Kimley-Horn Aviation staff on projects at Pompano Beach Airpark, Southwest Florida International Airport, and Vero Beach Municipal Airport.

5. APPROACH TO SCOPE OF WORK

Every client's needs are different due to the uniqueness of their organization, personnel and facilities. A good consultant understands those unique differences and learns how to best meet that client's needs. *The Kimley-Horn team's long history working with Fort Lauderdale Executive Airport (FXE) puts us in a position of understanding your airport, its operations, tenants and personnel, the City's overall organization and processes and the issues that are important to the success of the Airport and its projects.*

Our philosophy is one of exceptional client service, to the degree that at all times, the personnel we assign to a client truly becomes an extension of the client staff, proactively looking for opportunities to make the client successful. To that end we have assembled a team that blends a long historical experience at FXE with staff based here in Palm Beach and Broward County, who is available at a moment's notice to attend meetings, resolve issues and provide advice and guidance to staff when needed.

FXE is a gem to the residents of Broward County and the City of Fort Lauderdale in particular. FXE is one of the busiest General Aviation airports in the country and the primary reliever to Fort Lauderdale-Hollywood International Airport (FLL). *As FLL continues to develop commercial air service, the supporting Broward County Airports led by FXE will provide the needed Corporate and General Aviation support to the Broward County area.*

FXE is a unique facility in many ways and vital to the growth and prosperity to the aviation community. Its long runway, Customs Facility, access to I-95 and the Turnpike as well as high quality Fixed Based Operators (FBOs) make the facility the primary attraction to corporate and business jets and aviators.



City of Fort Lauderdale Goals and Objectives

With such a valuable asset, it is imperative that the City maintain and continue to improve the facility. Put simply, there will be no new airports built in Broward County, nor will there be any new runways. Therefore, *Asset Management is the key to the success of the facility.*

With that said, both the Federal Aviation Administration (FAA) through its Orlando District Office and the Florida Department of Transportation (FDOT) through the District office located here in Fort Lauderdale, actively support the maintenance and operation of the facility through funding for construction projects, periodic certification inspections and providing technical support on matters such as security. *It is imperative that these funding sources and information keep flowing.*

Kimley-Horn has a long extensive relationship with both the FAA and FDOT. We understand the minimum standards which must be complied with, the grant assurance which must be followed and the reporting requirements during the life of the grants. We routinely support our airport clients with needed grant support activities including on-line reporting and closeout documents. Kimley-Horn's **Carlos Maeda, P.E.**, who is providing Grant/DBE Support services, served with the FAA as program manager, technical expert, and principal advisor for all airport planning and engineering-related programs for large metropolitan areas. As a former manager at the FAA's Orlando Airports District Office (ADO), he is extremely knowledgeable and effective at procuring and securing funding for airport clients.

Kimley-Horn's goal is to keep the City on the path of least resistance for grant funding. We do this by assisting with several tasks including:

- Completing projects under budget
- Providing support with grant applications
- Developing schedules and exhibits for projects

- Breaking projects into bid alternates to meet grant amounts
- Providing cost estimates for yearly Joint Capital Improvement Program (JACIP) updates
- Completing FAA quarterly status reports
- Closing out grant as soon as possible
- FAA: providing engineer's reports, meeting minutes, invitations to meetings, and key submittals.
- FDOT: providing engineer's certifications, plans and specifications, and closeout documents.

In summary, the City's goals are Kimley-Horn's goals. As a firm with a strong aviation background and a vested interest in its success ***we want FXE to be the best facility in the area.***

Kimley-Horn Vision, Ideas and Methodology

The Kimley-Horn vision for FXE is to do everything possible for the Airport to succeed. Success in the aviation industry is measured in many ways. Growth, Profitability, Safety, Customer Service, Community Support as well as others. It is our intent to work diligently to support the staff to make FXE and the City as successful as possible.

This is accomplished by first by supporting FXE with ***Aviation Professionals.*** Staff who live, breathe and support the aviation industry with a passion. ***Aviation is not a part time occupation for us.*** Or something we do when there are no other clients to support or projects to work on. Our staff works throughout the state and county on aviation projects, both in General Aviation as well as Commercial Service Airports.



Next, your Project Manager, **Tom O'Donnell** will set up a clear line of communications with City staff resulting in an understanding of your goals, objectives and budget. His history at the airport and our longstanding relationships with staff help ease those lines of communications and ensure that understanding.

Project Approach

Within the following narrative, we will describe our comprehensive approach, provide reasons why the City should select Kimley-Horn. Taxiway Foxtrot is the primary means of access to the tenants which operate on the north side of FXE. Therefore, this project requires skilled airport planning and design, attention to detail, frequent communication and interaction among all parties involved, and a focused project manager who listens and responds to the City's needs. We are fully prepared to serve the City throughout the design and construction of this project.

Kimley-Horn has assembled a team of Key and Support Personnel that are available and will be completely focused on this project. This project requires skilled professionals having acute attention to detail and structured to effectively communicate and interact among all parties involved. We have selected a project manager, **Tom O'Donnell, P.E.**, who brings a long term history of working with the City's on very similar projects within FXE. Tom is a "hands-on" project manager who will listen, respond to your needs, and will execute this project efficiently. Supporting Tom, beyond those listed in the organizational chart, is the depth of resources available within Kimley-Horn. Our purpose is to serve this project effectively to ensure a smooth and issue-free experience. This is our Team's #1 goal.

To that end, the success of this program is contingent upon the City selecting an experienced team of professionals with a successful track record in airport development, as well as industry-proven procedures in the approach to the planning and design of airside projects from conception through completion. The Kimley-Horn team is collectively committed to providing these quality professional services and we will be focused on meeting the specialized needs of this assignment.

Below, we discuss our anticipated approach for the project. Of course, it is important to note that at the center of every successful project is good communication and coordination with key stakeholders, as such, the actual approach may vary slightly.

Work Planning

It all starts with a work plan customized in concert with you during scope development to meet your specific needs and requirements. The project specific work plan will include:

- Identification of the project goals and objectives.
- A detailed statement of services including tasks, subtasks, and the key personnel responsible for their successful completion.
- A detailed schedule for the project.
- A quality control plan with key reviewers identified.

With this, we would approach the Relocation of Taxiway Foxtrot with a five-step process from initiation to completion:

- Pre-design planning/project definition
- Design phase
- Permitting phase
- Bid procurement and award phase
- Construction phase

Our approach to each phase will be as follows:

Pre-Design Planning/Project Definition Phase. The pre-design phase helps ensure that each project is defined and designed to meet the overall goals and objectives of the Airport, Airport users, and other stakeholders while meeting all applicable FAA requirements. In addition, this phase engages early coordination performed with all jurisdictional agencies in order to clearly confirm what, if any, permits will be needed and how the permitting process will fit into the overall schedule for the project.

The first step in the pre-design phase is to conduct a kick-off meeting with the Airport Director, Airport and City Staff, and the design team to discuss and review the work plan and ensure complete and accurate understanding of each project's goals and objectives; collect pertinent historic data for review; and discuss the pros and cons of potential alternatives and potential construction impacts. The detailed design schedule for each project is reviewed and confirmed with you, including the timing for the collection of field data such as survey, electrical system testing, and geotechnical investigations, as well as early coordination meetings with the FAA. Potential operational impacts due to construction and construction phasing alternatives are discussed to ensure final construction plans will have the least impact possible on airport operations during construction.

Following the kick-off meeting, the specific pre-design elements would begin. **Hillers Electrical Engineering, Inc.**, our electrical subconsultant, will initiate their field review and test the existing electrical system components. Geotechnical testing in the form of Standard Penetration Tests (SPT), pavement cores, California bearing ratio testing (CBR), and materials sampling would be undertaken by our geotechnical subconsultant, **Tierra South Florida**, to serve as the basis for the FAARFIELD airfield pavement design. Field survey and subsurface utility exploration will be initiated by the team's subconsultant, **Keith and Associates, Inc.**

Pavement section alternatives will be analyzed and will evaluate separate options for dissimilar areas. Preliminary phasing alternatives will be reviewed for constructability, operational impacts, and cost. The design will be performed in accordance with all current, applicable advisory circulars. Preliminary drawings of the pavement geometry will be prepared to review those potential impacts. We will work with you to understand the impacts to the Airport and assist you in any necessary discussions with the FAA Airport District Office to determine how to comply and ensure that the project is grant eligible.



Carlos Maeda, P.E., can help coordinate FAA approvals. A Preliminary Engineering Report will also be started in order to document the findings and recommend a design section and phasing plan.

Design Phase. The design phase will move the project through the process of preparing plans, specifications, final Engineer's Report, schedules, and preliminary cost information. Plans will be developed and submitted for review by the City at the 30%, 60%, 90% and 100% stages. We highly recommend face-to-face review meetings at each stage of completion.

During the design phase, the Kimley-Horn team will continue to define the best design solution for each area. Based on geotechnical testing, the traffic forecast, aircraft operations, and fleet mix for the airport, FAA's FAARFIELD program will be used to determine the design section for the pavement. Options will be evaluated for equivalent sections to determine the section that is the most cost effective while still providing the required strength and design life. Alternatives will be reviewed and, if appropriate, may be included in the plans as a bid alternative, letting market factors help decide the final solution. Taxiway intersections will be designed using the FAA AC 150/5300-13A Change 1 incorporating the new geometric fillet layout. The intersections will also be analyzed using AeroTURN to confirm that they will functionally serve the aircraft used by FXE's stakeholders.

At appropriate points throughout the design, we will work with you to inform key stakeholders of the project status and get feedback on the design and its potential impacts on those stakeholders. To the greatest degree possible, efforts will be made to minimize operational impacts without compromising project quality. Experience has shown that keeping key stakeholders informed and a part of the project results in a better project with fewer issues to be resolved during construction. As soon as design reaches the appropriate level of completion, we will prepare any necessary permit applications and assemble submission packages to start the approval process and maintain the project timeline.

We understand that the City has the capability to prepare Construction Safety and Phasing Plans (CSPP) "in house," however should the need arise we have the capabilities to prepare and submit the CSPP at the 30% and 90% levels to you and the FAA.

Permitting Phase. Concurrent with the Pre-Design Planning/Project Definition Phase and the Design Phase, Kimley-Horn will initiate permitting phase services. Due to the nature of new pavement construction it is anticipated that these services will include coordination with the South Florida Water Management District (SFWMD), FAA, and other agencies.

To optimize the schedule, we will coordinate early with the SFWMD, confirming permitting requirements. As part of the coordination we will meet with staff and discuss the proposed taxiway relocation. In addition to standard drainage calculations, services are anticipated to include procuring an Environmental Resource Permit. It is anticipated that the work associated with relocating Taxiway F may be eligible for a general permit granted under Florida Administrative Code (FAC) 62-330.449. Use of the general permit will significantly reduce permitting fees and procurement efforts. If the work is eligible, procurement efforts will be limited completing a "Notice of Intent to use an Environmental Resource General Permit" which—a significantly shorter document than the standard "Joint Application for Individual and Conceptual Environmental Resource Permit."

It is our understanding that the City will be requesting federal funding for this project. Since FAA will be involved, the project will be required to comply with the National Environmental Protection Act (NEPA), specifically in regard to FAA Order 1050.1E, Paragraph 310e, which states that projects proposing construction or repair of an existing taxiway qualify for a Categorical Exclusion. As part of this process we will inventory listed species and coordinate with other applicable agencies including, but not limited to, US Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, US Army Corps of Engineers, and State Historic Preservation Officer.



The Construction Documents will also include storm water pollution prevention (SWPP) plans and details for use by the Contractor to obtain the National Pollutant Discharge Elimination System (NPDES) – Notice of Intent (NOI) for Construction as required through the Florida Department of Environmental Protection (FDEP). Finally, as the Engineer of Record, we are committed to following through with the close-out documentation including as-built plans and certifications for the SFWMD permit.

Procurement and Award Phase. During the procurement and award phase, the Kimley-Horn team will help the City successfully choose a contractor and enter into a contract for the project. We can develop the final bid schedule, probable construction cost estimates, and procurement packages for distribution by the City. In addition, we will help with the pre-proposal meeting, respond to any questions during bidding, and issue meeting minutes and addenda as required. Once bids are received, we will review them for compliance and accuracy, compliance with DBE goals if needed, check references for the low bidder, and make a recommendation of award. After a contractor is selected, we will coordinate the preconstruction conference, work with them on a final schedule, and issue plans for construction.

Construction Phase. During construction, Kimley-Horn will monitor the project schedule, costs, construction progress, and payment tracking. We will coordinate the shop drawing and requests for information process, maintain submittal logs, ensure a timely response, and process contractor pay applications, change order requests, and record drawings. If the City desires, we can chair construction progress meetings, issue agendas and meeting minutes, and process all required FAA reports to ensure timely submission to comply with grant requirements. During this phase, **Tierra South Florida** will provide quality assurance materials testing including asphalt plant control for P-401 Hot Mixed Asphalt. The contract documents will require the contractor to successfully install a test section confirming their ability to meet specified requirements for not only producing but also installing P-401 material. The project will also require construction of subgrade and P-211 Lime Rock Base courses. Tierra will perform QA testing to confirm the material's California bearing ratio, proctor values, and in place density.

From our prior experience working with you we understand that the City typically provides its own inspectors for Construction Administration. However, should the need arise, Kimley-Horn will be there to support you. We are flexible and will scale our services to suite. Should construction phase services be requested, our full service consulting includes comprehensive construction administration services with staff experienced in all types of construction including taxiway construction. Staffing typically includes the engineer of record, a resident project representative, and support staff capable of administering the contract, conformance with FAA Advisory Circulars (and other applicable rules and regulations) and coordinating with all stakeholders.

We believe that a project is not successful until it is built to your satisfaction and the paperwork is complete—including project documentation and close-out for any permits. As Kimley-Horn's project manager, **Tom O'Donnell, P.E.**, is responsible for your projects from the initial conceptual design until total close out. No one will know the project better or will be in a better position to ensure that the contractor meets the design intent.

Summary

Our team was built specifically to provide the City of Fort Lauderdale with the highest level of service in serving as your engineering consultant over the next two to three years. Having served as the consultant here at FXE for many years and for general aviation (GA) and air carrier airports throughout Florida and the United States, the Kimley-Horn team understands the many challenges that arise during the short-term planning horizon at GA airports and possesses the ability to directly meet and overcome these challenges. The Kimley-Horn team will use their broad knowledge and airport engineering and planning experience to successfully address these issues. We are very excited about this opportunity to provide innovative strategies in the serving as your consultant.

Scheduling Methodology

Scheduling will be the responsibility of your project manager, **Tom O'Donnell, P.E.**, and it all begins with a clear understanding of the airport's and project's scope, goals, and milestones. This information is then used to develop three key

scheduling tools for Tom to manage and track the project's progress: 1) a project outline which Kimley-Horn calls a "work plan," 2) a project Gantt chart style schedule created with Microsoft Project, and 3) Kimley-Horn's "cast-ahead" system which coordinates our staff's availability.

The work plan and schedule are then monitored for progress against the milestones on a weekly basis. Manpower is assigned based on the elements using our "cast-ahead" system. This is a monthly look at workload by individual throughout the firm. We project the effort needed for a six-month window to meet client commitments and evaluate that against personnel assigned to the projects. Should we find that we are falling behind schedule, or are overloading assigned personnel; the system allows us to identify additional qualified personnel that have availability to work on the project to get us back on schedule.

MONTHS	1	2	3	4	5	6
Pre-Design Phase						
Design Phase						
Permitting Phase						
Bid Phase						

Workload Summary

Kimley-Horn is very progressive when it comes to understanding its current workload and has a long history of achieving successful project completion through a combination of effective project management and technical expertise. Consequently, Kimley-Horn is committed to providing the City of Fort Lauderdale with the highest quality staff and service to meet your project schedule and budget requirements.

The members of our project team were selected using two criteria: (1) their experience with similar projects and (2) their availability to assume major technical responsibilities within your project schedule. Kimley-Horn's proactive management system, known as "cast-aheads," is used to detail every project's personnel needs, as well as to determine each staff person's availability. By continuously matching project needs with staff availability, our cast-aheads system is an accurate tool for keeping our projects on schedule.

Based on a review of our cast-aheads, we can assure you that the staff members selected for this team are available immediately to serve you, and are in an excellent position to handle the workload of any assignment you wish to give us. In addition, we have strategically selected subconsultant partners with the technical capability and available resources to meet your needs.

The professionals included on our organization chart have worked extensively together throughout Florida and will be scheduled as needed to work on any assignment requested by the City.

The table below identifies the years of experience and availability of our team members, who have unparalleled qualifications and are eager to work for the City of Fort Lauderdale.

Team Member	Project Role	Years of Experience	Current Percent Available	Planned Percent Available
Tom O'Donnell, P.E.	Project Manager	16	50	60
Mike Carey, P.E.	Principal-in-Charge	36	10	10
Eileen Velez-Vega, P.E.	Quality Assurance/ Quality Control	14	20	30
Julia Focaracci, E.I.	Airfield Design	3	40	60
Ed Joyner, P.E.	Electrical Design	23	50	60
Mike Norby, P.E.	Pavement Design	21	10	10
Chris Demeter, PSM	Airport GIS	31	10	10
Carlos Maeda, P.E.	FAA/FDOT Grant Assistance	35	10	10
Brady Walker	Environmental Permitting	10	10	20
Meredith Aiken	Environmental Permitting	5	20	40

Volume of Work Previously Awarded by the City of Fort Lauderdale

We are proud of our long standing and successful relationship with the City of Fort Lauderdale. In the interest of clarity and brevity of this submission, we have listed our active contracts with the City below:

- Intersection Analyses
- Fire State SAR
- FXE Taxiway Foxtrot Rehabilitation
- Sistrunk Parking
- FLL Visioning
- New River Central Traffic Impact Study
- SE 15th Avenue Improvements
- Las Olas Boulevard Safety and Traffic Calming Improvements

Available Facilities, Technological Capabilities and Other Resources

Our staff is equipped with the latest commercial available design tools including Civil 3D, Microstation and GIS. We are a full production office. Additionally, our graphics arts software capabilities include SketchUp, Adobe InDesign, Adobe Photoshop, Adobe Illustrator, and Microsoft Office. Our presentation systems include high resolution digital projection of PowerPoint slide shows, interactive Smart Board displays, and DVD video. In-house production capabilities also include foam-core presentation boards and multi-media displays. Kimley-Horn also maintains digital photography equipment, digital video recording and video editing/production hardware and software.

Kimley-Horn employs more than 530 employees in Florida and just over 2,800 firmwide. We have more than 100 full-time Aviation personnel around the country.

6. REFERENCES

Kimley-Horn is extremely proud of the relationships we develop with our clients and feel that their view of our work is the highest measure of our services. Below are several client references that represent a variety of aviation clients we serve. Our project manager, **Tom O'Donnell, P.E.**, and our senior project team have or are currently working with these clients and we invite you to contact them about the quality services we provide to them.

Hillsborough County Airport Authority

Client: **Scott Nesbitt**, Project Director
Hillsborough County Airport Authority
P.O. Box 22287 Tampa, FL 33622
Phone: (813) 870-7832, *E-mail:* SNesbitt@TampaAirport.com

East Airfield Rehabilitation and Airfield Markings – Tampa International Airport. This project was for the design and preparation of contract documents for the rehabilitation of asphalt pavements within the East Airfield and for the removal and reinstallation of pavement markings airfield wide at Tampa International Airport (TPA). The project included 60,000 SY of taxiway removal, 107,000 SY of asphalt mill/overlay, detailed/comprehensive construction phasing, four new taxiway connectors, and over 600,000 SF of airfield markings. This project required close coordination with multiple airport departments, tenants, and the FAA.

Completion Dates: Design: November, 2015 – June, 2016; Construction: Ongoing

Construction Cost: \$13,900,000

Volusia County

Client: **Karen K. Feaster**, Deputy Airport Director
Volusia County
700 Catalina Drive, Suite 300, Daytona Beach, FL 32114
Phone: (386) 248-8030 ex 18304, *E-mail:* kfeaster@co.volusia.fl.us

Taxiway Y, W2, and E2 – Daytona Beach International Airport. Kimley-Horn provided design, bidding, and construction phase services for the construction of Taxiways Yankee, W2, and E2 at the Daytona Beach International Airport—approximately 12,000 SY of new bituminous P-401 pavement. Design elements included reducing the confusion related to the signage at the intersection of Taxiway Whiskey and Taxiway Sierra by adding signage and markings, constructing a cutover Taxiway Y connecting Taxiway S and W, and relocating Taxiways W2 and E2.

Completion Dates: 2013

Construction Cost: \$1,500,000

City of Pompano Beach

Client: **Steve Rocco**, Air Park Manager
Pompano Beach Airpark
1001 NE 10 Street, Pompano Beach, FL 33060
Phone: (954) 786-4135, *Fax:* (954) 786-4136, *E-mail:* steve.rocco@copbfl.com

Since 2005, Kimley-Horn has provided general aviation consulting services for the City's Airpark. To date, we have accomplished several tasks including:

Extension of Taxiway G. Kimley-Horn is currently designing the relocation of the primary taxiway serving the Airpark's primary runway, 15-33. The relocation was designed to be fully compliant with the geometry requirements implemented in FAA Advisory Circular (AC) 150/5300-13A, Change 1. The scope of work includes demolishing Taxiway D between Taxiway

B and Runway 6-24, relocating Taxiway M between Runway 15-33 and Taxiway D, constructing Taxiway G parallel to Runway 15-33 between Taxiway B and Runway 10-28, and constructing two connector taxiways between Taxiway G and Runway 15-33. All Taxiway G intersections were designed in compliance with the geometric criteria stated in FAA Advisory Circular (AC) 150/5300-13A, Change 1. The project required professional engineering services for design of the taxiway and corresponding connectors including demolition of the existing taxiway, mass grading, subgrade stabilization, base course and asphalt surface course paving, pavement markings, lighting and signage, and turfing. Construction phasing split into two phases to accommodate funding opportunities and to limit impacts to airfield operations. Both of these issues apply to Taxiway F at FXE.

Completion Date: 2015

Construction Cost: \$3.7 million

Runway 15-33 Extension and Rehabilitation. Kimley-Horn was selected in 2008 for the most important airfield construction project the airport has experienced in many years, the extension and rehabilitation of its main runway at the Airpark, Runway 15-33. While the runway was closed, several improvements included in the most recent master plan update were accomplished, including extending Runway 15-33 by 500 feet to the northwest, displacing the Runway 33 threshold by 340 feet, and replacing the aging Omni-directional approach light system (ODALS) with a new medium intensity approach light system (MALSL). The \$5 million project was completed below budget, with minimal change order, and the runway opened on time.

Completion Date: 2012

Construction Cost: \$5.1 million

Taxiway Kilo Relocation. Kimley-Horn completed the design of the relocation of Taxiway Kilo at the Airpark and provided construction phase services. This was the first federally funded project at the Airport in many years. The project includes the relocation of Taxiway Kilo to meet current FAA Design Standards. The taxiway is parallel to Runway 10-28 and is integral to the flow of traffic into and out of the south side of the airport. Runway 10-28 is the critical cross-wind runway supporting the primary Runway 15-33. The most recently completed Master Plan Update (2008) reflects the closure of Runway 6-24 at some point in the future, leaving PMP with two runways.

Completion Date: 2014

Construction Cost: \$3.1 million

Pavement Maintenance Program. The existing airfield pavements at the airpark were constructed at different times throughout its history. Subsequently, the airpark found it necessary to implement a multiyear pavement maintenance program through fiscal year 2010. Our first task was to evaluate the pavement and make recommendations for repairs. Kimley-Horn then developed construction plans to implement those recommendations, assisted in the bidding process, and provided construction administration services. The first two phases of the program were completed in June 2008. The remainder of the program was completed by the end of 2009. Some repairs performed as part of this project included routing and sealing asphalt cracks, rejuvenating the existing asphalt pavements, and new pavement markings.

Taxiway Fillet Widening. As part of the airpark master plan, it was recommended that the fillets be widened at the intersections of Runway 15-33 and Taxiway Foxtrot and at Runway 6-24 and Taxiway Delta in order to improve safety at the airpark. These taxiways were ideal locations to exit the runways and, for most aircraft, allow them to exit at higher speeds. This project is complete.

Completion Date: 2010

Construction Cost: \$150,000

Taxiway N Widening. As part of an agreement with a new tenant, the City provided them with direct airside access by constructing a connecting Taxiway N to the airfield. Our design included new pavement, rehabilitation of some existing pavement, lighting, and necessary electrical upgrades to accommodate the new construction. This project was completed in October 2007.

Completion Date: 2009

Construction Cost: \$100,000

7. MINORITY (MBE) PARTICIPATION

Kimley-Horn is committed to engaging the services of minority business enterprises (MBE) and disadvantaged business enterprises (DBE) whenever possible on a project. We believe that it is important to select M/W/DBEs who are not only qualified, but also have the ability to meet your specific needs on this project. Through corporate policy and philosophy, our firm actively seeks to encourage and promote the use of M/W/DBE firms. We provide interested firms with the opportunity to serve as a subconsultant on our teams and throughout the year, actively seeking to increase and update our large database of qualified M/W/DBE firms to use on future projects. Our aggressive M/W/DBE utilization policy ensures that Kimley-Horn is furthering the positive economic development momentum that the state of Florida advocates through the use of minority, woman, and disadvantaged businesses by its contractors.

PROJECT PLAN

Kimley-Horn's commitment to engaging the services of M/WBE and DBE firms whenever possible is clearly illustrated by our inclusion of three M/WBE and DBE firms on our team to serve Fort Lauderdale Executive Airport. We believe that it is important to select M/WBE and DBE firms who are not only qualified but also have the ability to meet the specific needs of a project.

Given our on-going commitment to exceeding goals, the implementation process remains the same on a project-to-project basis firmwide. We continually pledge to provide an honest effort to meet the M/WBE and DBE goal for each project. We identify meaningful roles for each M/WBE and DBE subconsultant chosen for each project. We offer our continued commitment to M/WBE and DBE participation for this project as well.

No more telling proof can be offered than a review of the projects Kimley-Horn has worked for FXE on over the past five years. This analysis shows that our utilization of our M/WBE or DBE firms was more than 16%—therefore we exceeded FXE's participation goals by more than 4%.

M/WBE and DBE Participation Record

Qualified M/W/DBE firms receive priority consideration when Kimley-Horn looks for suppliers to support its business operations. Our commitment to retaining disadvantaged firms to assist on projects is demonstrated by the amounts Kimley-Horn has paid to M/W/DBE firms. Kimley-Horn contracting over **\$127.8 million with DBE and M/WBE businesses over the past 10 years.**

Our commitment was illustrated on our recent aviation projects where a significant portion of the project fee was paid to disadvantaged, minority or women-owned firms:

PROJECT	TOTAL FEE	DBE FEE	PERCENTAGE OF PROJECT FEE
Taxiway F Depression Repair at RSW	\$26,627	\$18,500	69.5%
Taxiway G Extension at PMP	\$268,032	\$78,832	29.4%
Rehabilitation of Runway 8 26 at SJU	\$638,000	\$170,500	26.7%

Dickey Consulting



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room A080 • Fort Lauderdale, Florida 33301
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

May 27, 2016

Ms. Sheryl A. Dickey
DICKEY CONSULTING SERVICES, INC.
P.O. Box 892
Fort Lauderdale, Florida 33302

ANNIVERSARY DATE – Annually, on March 12th

Dear Ms. Dickey:

Broward County is pleased to announce that Dickey Consulting Services, Inc. has renewed its certification as a **Disadvantaged Business Enterprise (DBE)** and as an **Airport Concessions Disadvantaged Business Enterprise (ACDBE)** in Florida, under a **Unified Certification Program (UCP)** in accordance with 49 CFR, PARTS 26 and 23.

DBE/ACDBE certification continues from your anniversary date, but is contingent upon Dickey Consulting Services, Inc. renewing its eligibility annually through this office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, to assure continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to remove Dickey Consulting Services, Inc. as a DBE/ACDBE.

As long as Dickey Consulting Services, Inc. is listed in the DBE Directory, it is considered DBE/ACDBE Certified by all Florida UCP Members.

DBE/ACDBE certification is subject to actions by governmental agencies impacting the disadvantaged status of Dickey Consulting Services, Inc.

Dickey Consulting Services, Inc. will be listed in Florida's **UCP DBE Directory** which can be accessed via the internet, at <http://www3b.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory>.

DBE/ACDBE certification is **NOT** a guarantee of work, but enables Dickey Consulting Services, Inc. to compete for, and perform, contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE/ACDBE contractor, sub-contractor, consultant, and sub-consultant or material supplier.

Broward County Board of County Commissioners
Mark D. Bogen • Brian Furr • Dale V.G. Simmons • Mary Ann • Chip Lefkowitz • Ray Eiler • Tim Ryan • Barbara Sherif • Lisa Welter
www.broward.org

Re: Dickey Consulting Services, Inc.

May 27, 2016

If, at any time, there is a material change in Dickey Consulting Services, Inc., including, but not limited to, ownership, officers, directors, scope of work being performed, daily operations, affiliations with other businesses or individuals or physical location of Dickey Consulting Services, Inc., you must notify OESBD, in writing, without delay. Notification should include supporting documentation. You will receive acknowledgement and confirmation of continued eligibility, if applicable after notification of changes.

Dickey Consulting Services, Inc. may compete for, and perform, work on all USDOT Federal Aid projects throughout Florida, receiving DBE/ACDBE credit for work performed in the following area:

ACDBE
NAICS Code: 541611 Admin. Management and General Mgmt Consulting Services
NAICS Code: 541820 Public Relations Agencies
NAICS Code: 541810 Advertising Agencies
NAICS Code: 561110 Office Administrative Services

DBE
NAICS Code: 541690 Other Professional, Scientific and Technical Services
NAICS Code: 541820 Public Relations Agencies
NAICS Code: 611430 Professional & Mgmt. Development Training
NAICS Code: 541618 Other Management Consulting Services

Please feel free to contact OESBD for any questions or concerns pertaining to your DBE/ACDBE certification. Our telephone number is (954) 357-6400; our fax number is (954) 357-5674.

Sincerely,

Chris Atkinson
Chris Atkinson, Assistant Director
Office of Economic and Small Business Development

2

State of Florida

Minority, Women & Florida Veteran Business Certification

Dickey Consulting Services, Inc.

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

9/2015 to 10/29/2017

Chris Atkinson
Chris Atkinson, Assistant Director
Office of Economic and Small Business Development

Office of Supplier Diversity • 4050 E. Palmetto Way, Suite 380 • Tallahassee, FL 32399-0950 • 850-487-0915 • www.osd.dms.state.fl.us

Keith and Associates

5/2/2016

WebFOCUS Report

Florida UCP DBE Directory

Number of Records Returned: 1

Selection Criteria:

Vendor: KEITH AND ASSOCIATES INC

Vendor Name: KEITH AND ASSOCIATES INC

DBE Certification: CERTIFIED

DBA:

Business Description: SURVEYING SUE LANDSCAPE ARCHITECTURE PLANNING CIVIL ENGINEERING

Mailing Address: 301 EAST ATLANTIC BLVD
POMPANO, FL 33060

Contact Name: DODIE KEITH LAZOWICK
Email: MAIL@KEITH-ASSOCIATES.COM

Phone: (954) 788-3400

Fax: (954) 788-3500

Statewide Availability: Y

Certified NAICS

541320 Landscape Architectural Services
541330 Engineering Services
541340 Drafting Services
541350 Building Inspection Services
541370 Surveying and Mapping (except Geophysical) Services
541611 Administrative Management and General Management Consulting Services
561990 All Other Support Services

Run on: 05/02/2016
Page: 1

Tierra South Florida



State of Florida
Minority, Women &
Service-Disabled Veteran
Business Certification

Tierra South Florida, Inc.

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

November 30, 2015 to November 30, 2017

Tory Alston
Tory Alston, Executive Director

Florida Department of Management Services
Office of Supplier Diversity

Office of Supplier Diversity • 4050 E. Palmetto Way, Suite 380 • Tallahassee, FL 32399-0950 • 850-487-0915 • www.osd.dms.state.fl.us

8. SUBCONSULTANTS

Kimley-Horn's emphasis on dynamic teamwork and quality performance serve as the foundation from which we selected our subconsultant partners for this project. We have worked diligently to pursue firms who are revered and accomplished in their respective fields and demonstrate enthusiasm to be a part of our team and serve their local community. We have a responsibility to provide the best possible client service to you as your consultant and we expect the same level of commitment from each of our subconsultants. These team members essentially operate as a seamless addition to our staff, providing superior technical skills with a balanced focus on the city's needs, goals, and concerns.

We have recruited the following expert subconsultants to round out our team. We have worked with all these firms in the past and found them to be excellent partners and provide outstanding quality and client service. Brief overviews of the firms and their roles are provided below, with relevant certifications and licenses included at the end of this section.

Dickey Consultant Services – Grant/DBE Support

Dickey Consulting Services (DCS) is an economic development, government relations, project management and communications consulting firm. The organization and its associates provide services to public and private enterprises, coordinating, implementing and promoting projects related to economic and community development, government relations, business development, housing, public relations, public involvement, and other marketing initiatives.



Sheryl A. Dickey, founder and owner, is a community and economic development professional with more than 30 years of experience and a track record of success in these areas. She and her staff bring a high level of energy and the ability to participate in a leadership or team member role to ensure successful completion of a project.

DCS provides staffing for invoicing, accounting, document control, small disadvantage business enterprise coordination, contract administration civil-CAD, project inspections, and communications assistance. The firm also provides administrative support for budgeting, planning, management, and purchasing.

DCS's headquarters is in the **Midtown Commerce Center**, a newly constructed Silver LEED certified building in Fort Lauderdale. Ms. Dickey is the developer and owner of the building and she incorporates all aspects of green building initiatives in its operations.

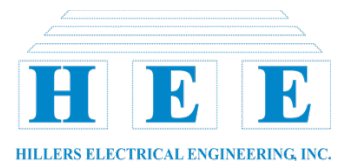
Key Contact: Sheryl Dickey

Address: 1033 NW 6th Street, Suite 206
Fort Lauderdale, FL 33311

Designation: Disadvantaged Business Enterprise and Minority Business Enterprise in the State of Florida

Hillers Electrical Engineering – Electrical Design

Hillers Electrical Engineering, Inc. has been in business since February 1994 with the main office located in Boca Raton and branches located in Miami, Hollywood and Orlando, Florida. The Hillers Electrical Engineering, Inc. design staff brings to this project over 30 years of electrical design and project management experience on major air carrier and general aviation airports terminals & airfields that includes edge and centerline runways & taxiways lighting systems, approach lighting systems (ODALS, MALSR), instrumentation landing systems (localizer, glide slope, DME units), airfield electrical vaults, air traffic control towers, airfield lighting control systems, terminal power systems for HVAC, lighting, navigational aids (VASI, PAPI, REIL), signage and all types of aircraft maintenance hangar facilities; major expressway, toll plaza and parking lot lighting systems; supervisory control and data acquisition (SCADA) systems; water/waste treatment plants, storm water pumping stations, lift stations, state-of-the-art distributed control systems, variable frequency speed drive analysis for facility efficiency improvements, ASR wells; implementation of commercial industrial load control program systems for large industrial power users, value engineering, energy audits, cost estimates, testing, start ups, all types of security systems, fire alarm; low, medium and high voltage distribution systems, normal and stand by generation, short circuit calculations,



fault current calculations, protective device coordination; professional and amateur sports complex lighting systems; power, control, instrumentation for major fuel storage and refining facilities in the U.S. and internationally.

Key Contact: Paul Hillers, P.E.
Address: 23257 State Road 7, Suite 100
 Boca Raton, FL 33428
Designation: None

Keith and Associates – Surveying/Subsurface Utility Exploration

Keith and Associates, Inc. (K&A) was incorporated as a Florida corporation in 1998. As a mid-size closely-knit firm, they provide civil engineering, construction management, comprehensive planning, landscape architecture, surveying and mapping and subsurface utility engineering services. Currently, K&A are operating 8 survey crews and 2 S.U.E. crews in the Tri-County area of Broward, Palm Beach and Miami-Dade County.



K&A has placed a strong emphasis on quality surveying and mapping practices and procedures. This focus ensures that their surveying personnel are committed to exceeding your expectations. Technology has provided today's Surveyors and Mappers with tremendous tools that have greatly minimized the difficulties of measurement accuracy and precision; however, the art and legal principles of surveying and mapping remain unchanged today. K&A's intimate knowledge of the South Florida community and subsequent database of infrastructure surveys ensure that their surveying and mapping approach and methodology will result in accurate data collection and storage.

K&A is qualified to provide the following Surveying and Mapping, GIS and Subsurface Utility Locating (SUE) services:

- | | | |
|------------------------------|---------------------------------------|---|
| ■ Boundary/Alta Surveys | ■ Global Positioning Systems (GPS) | ■ Legal Descriptions |
| ■ Topographic Surveys | ■ Differential Leveling | ■ Expert Witness Testimony |
| ■ As-Built Surveys | ■ Geographic Information System (GIS) | ■ 3D underground imaging |
| ■ Platting | ■ Right-of-Way Mapping | ■ Utility coordination |
| ■ Tree Surveys | ■ Monumentation of Right-of-Way | ■ Utility design |
| ■ Cross-Sections & Profiles | ■ Digital Terrain Models (DTM) | ■ Ground penetrating radar |
| ■ Control Surveys | ■ Hydrographic/Bathymetric Surveys | ■ Computer aided design & drafting (CADD) |
| ■ Wetland/Mitigation Surveys | ■ Specific Purpose Surveys | ■ Pipe and cable location |
| ■ Construction Surveys | ■ Photogrammetric Control Surveys | ■ Vacuum excavation |
| ■ Drainage Surveys | | ■ Pavement coring |
| ■ Engineering Design Surveys | | |

Key Contact: Lee Powers, PSM
Address: 301 East Atlantic Boulevard
 Pompano Beach, FL 33060
Designation: Disadvantaged Business Enterprise in the State of Florida

Tierra South Florida – Geotechnical/Material Testing Services

Tierra South Florida, Inc. (TSF) is a full-service consulting geotechnical and construction materials testing engineering firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. TSF's professional team has been working together since 2000 and is committed to providing quality, responsive service establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. Their services also include threshold/special inspection and roofing inspection services. TSF is a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation. TSF is also a certified Minority Business Enterprise (MBE) with the State of Florida's Office of Supplier Diversity. TSF's main office is located in



West Palm Beach, Florida with branch offices in Fort Lauderdale, Hialeah Gardens, and Winter Park, Florida. The list below illustrates airports where TSF has provided geotechnical and construction material testing services:

- Fort Lauderdale-Hollywood International Airport (FLL), Broward County, FL
- North Perry Airport (HWO), Broward County, FL
- Fort Lauderdale Executive Airport (FXE), Broward County, FL
- Pompano Beach Airpark (PMP), Broward County, FL
- Witham Field Airport (SUA), Martin County, FL
- North Palm Beach County General Aviation Airport (F45), Palm Beach County, FL
- Florida Keys Marathon Airport, Monroe County, FL
- Palm Beach County Glades Airport (PHK), Palm Beach County, FL
- Valkaria Airport (X59), Brevard County, FL
- Vero Beach Airport, Indian River County, FL
- Big Cypress Airfield, Collier County, FL
- Kendall-Tamiami Executive Airport (TMB), Miami-Dade County, FL
- Palm Beach International Airport (PBI), Palm Beach County, FL
- Lantana Airport (LNA), Palm Beach County, FL
- Naval Air Facility, Monroe County, FL
- St. Lucie County International Airport (FPR), St. Lucie County, FL
- Boca Raton Airport (BCT), Palm Beach County, FL
- Key West International Airport, Monroe County, FL

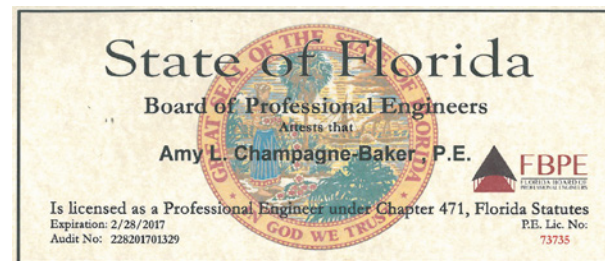
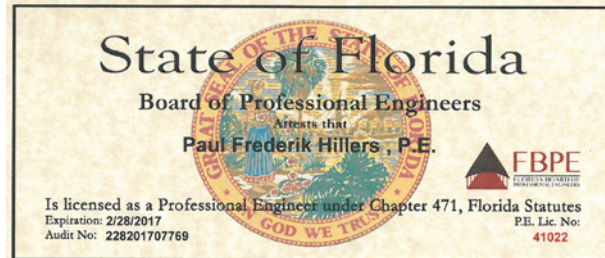
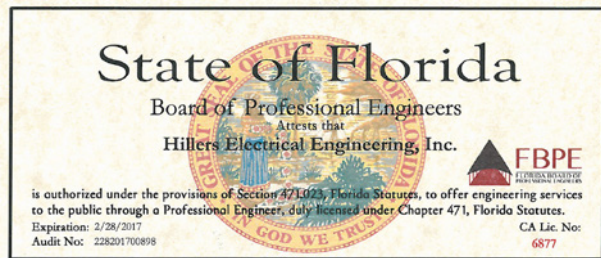
Key Contact: Raj Krishnasamy, P.E.

Address: 2765 Vista Parkway, Suite 9
West Palm Beach, FL 33411

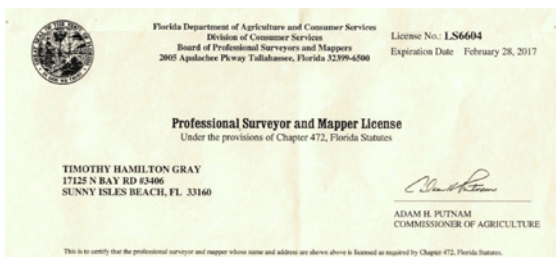
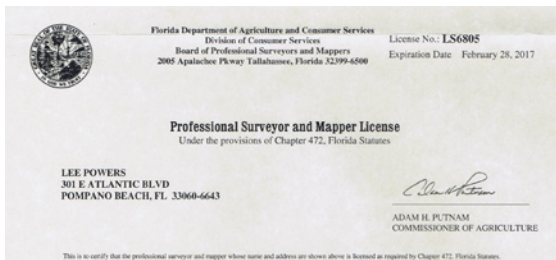
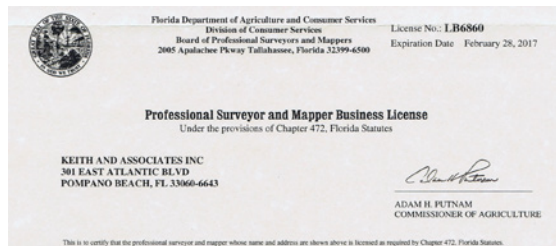
Designation: Disadvantaged Business Enterprise and Minority Business Enterprise in the State of Florida

LICENSES/CERTIFICATIONS

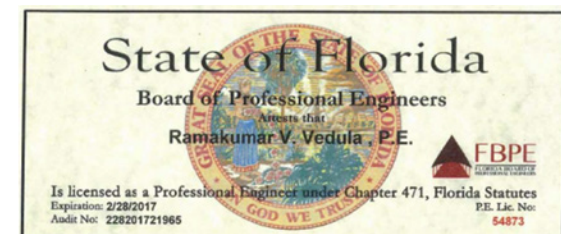
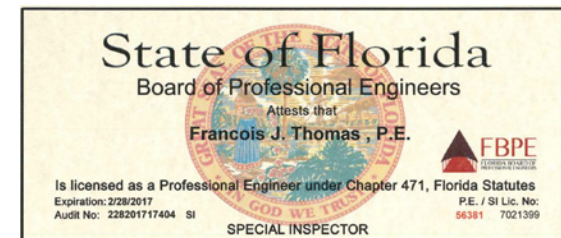
Hillers Electrical Engineering



Keith and Associates



Tierra South Florida





The City of Fort Lauderdale

FXE

Taxiway Foxtrot Relocation

CCNA - Solicitation 276-11830

9 REQUIRED FORMS

- Statement of Qualification Certification
- Non-Collusion Statement
- Contract Payment Method
- Sample Insurance Certificate
- Certificate of Secretary Signing Authority

Kimley»Horn

City of Fort Lauderdale
FXE Taxiway Foxtrot Relocation Project
RFQ Number #276-11830

STATEMENT OF QUALIFICATION CERTIFICATION

Please Note: All fields below must be completed. If the field does not apply to you, please note N/A in that field.

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

Company: (Legal Registration) Kimley-Horn and Associates, Inc.

Address: 600 North Pine Island Road, Suite 450

City: Plantation State: FL Zip: 33324

Telephone No. (954) 535-5100 FAX No. (561) 863-8175 Email: michael.carey@kimley-horn.com

Does your firm qualify for MBE or WBE status: MBE N/A WBE N/A

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

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
<u>1</u>	<u>10/25/16</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. If this section does not apply to your bid, simply mark N/A. **If submitting your response electronically through BIDSINC you must click the exception link if any variation or exception is taken to the specifications, terms and conditions.**

Kimley-Horn requests that the Indemnification Language in Section 2.22 Indemnify/Hold Harmless on page 10 of the RFP and in Section 11.9 Indemnification of City on page 40 of the RFP be modified to comply with Florida Statute 728.08 for Professional Services.

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

Submitted by:

Kevin Schanen, P.E.
Name (printed)

October 27, 2016
Date:


Signature

Vice President
Title

NON-COLLUSION STATEMENT

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

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

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

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

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

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

<u>NAME</u>	<u>RELATIONSHIPS</u>
None	

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

CONTRACT PAYMENT METHOD BY P-CARD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to payment by credit card via MasterCard or Visa. This allows you as a vendor of the City of Fort Lauderdale to receive your payment fast and safely. No more waiting for checks to be printed and mailed.

In accordance with Article 7, item 7.4.3 of the consultant agreement attached herein, payments for all services will be made utilizing the City's P-Card program (MasterCard or Visa). Accordingly, firms must presently have the ability to accept credit card payment or take whatever steps necessary to implement acceptance of a credit card before the commencement of the agreement.

Please indicate with which credit card you prefer to be paid:

 X Master Card

 X Visa Card

Company Name: Kimley-Horn and Associates, Inc.

Kevin Schanen, P.E.
Name (printed)


Signature

October 27, 2016
Date:

Vice President
Title

ACORDTM**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

3/28/2016

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 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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022 877 908-5619	CONTACT NAME: Jerry Noyola PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): 866-550-4082 E-MAIL ADDRESS: jerry.noyola@greyling.com														
INSURED Kimley-Horn and Associates, Inc. P.O. Box 33068 Raleigh, NC 27636	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : National Union Fire Ins. Co.</td> <td>19445</td> </tr> <tr> <td>INSURER B : Commerce & Industry Ins. Co.</td> <td>19410</td> </tr> <tr> <td>INSURER C : New Hampshire Ins. Co.</td> <td>23841</td> </tr> <tr> <td>INSURER D : Lloyds of London</td> <td>085202</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : National Union Fire Ins. Co.	19445	INSURER B : Commerce & Industry Ins. Co.	19410	INSURER C : New Hampshire Ins. Co.	23841	INSURER D : Lloyds of London	085202	INSURER E :		INSURER F :	
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INSURER D : Lloyds of London	085202														
INSURER E :															
INSURER F :															

COVERAGES**CERTIFICATE NUMBER: 16-17****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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractual Liab. GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC OTHER:			5268169	04/01/2016	04/01/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ☒ NON-OWNED AUTOS			4489663	04/01/2016	04/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$10,000			BE013778306	04/01/2016	04/01/2017	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☒ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	15893685 (AOS)	04/01/2016	04/01/2017	☒ PER STATUTE ☐ OTH-ER E.I. EACH ACCIDENT \$1,000,000 E.I. DISEASE - EA EMPLOYEE \$1,000,000 E.I. DISEASE - POLICY LIMIT \$1,000,000
A				15893686 (CA)	04/01/2016	04/01/2017	
D	Professional Liab			P070831600	04/01/2016	04/01/2017	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)

CERTIFICATE HOLDER**CANCELLATION**

Proof of Insurance/For Proposal Only

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



Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 17, 2015

CALIFORNIA

LOS ANGELES DT

Blume, Robert D.
Phaneuf, Alyssa S.

LOS ANGELES SFV

Fares, Jean B.

OAKLAND

Dankberg, Adam J.
Durrenberger, Randal R.

ORANGE

Adrian, Darren J.
Ciandella, Serine A.
Fares, George B.
Hourigan, E. Vincent
Kerry, Nicole M.
Matson, Jason B.
Phillips, Chad E.

PLEASANTON

Mowery, Michael C.
Sowers, Brian E.

SACRAMENTO

Coppin, Thomas G.
Melvin, Enda
Squires, Christopher A.

SAN DIEGO

Barlow, Matthew T.
Harry, Jennifer L.
Kaltsas, Joseph D.
Knapton, Michael J.
Landaal, Dennis J.
Podegracz, Anthony J.
Ross, Michael S.

SAN JOSE

Hedayat, Leyla
Venter Frederik J.

FLORIDA

BOCA-DELRAY

Schwartz, Michael F.
Webber, Jason A.

CORAL GABLES

Fernandez, Jorge L.

FORT LAUDERDALE

Alam, Mudassar M.
Barnes, Roy R.
Capelli, Jill A.
Kyle, Gregory S.
Ratay, Gary R.
Saxena, K.K.

JACKSONVILLE

Mecca, Joseph P.
Roland, George E.

LAKELAND

Bulloch, Kelly B.
Wilson, Mark E.

MIAMI

Baldo, Burt L.
Buchler, Aaron E.

OCALA

Bryant, M. Lewis
Busche, Richard V.

ORLANDO

Chau, Hao T.
Jackson, Jay R.
Martin, Jonathan A.
Mingonet, Milton S.
Thigpen, Jonathan D.

SARASOTA

Nadeau, Gary J.
Schmid, Seth E.
Stovall, Thomas M.

TALLAHASSEE

Barr, Richard R.
Sewell, Jon S.

TAMPA

Campbell, David C.
Gilner, Scott W.
White, Wayne E.

VERO BEACH

Cave, Derrick B.
Good, Brian A.
Peed, Brooks H.
Roberson, Kevin M.

WEST PALM BEACH

Atz, John C.
Bardt, David R.
Cherry, Paul L.
Ingram, Jerry W.
Jackson, Kenneth W.
Mufleh, Marwan H.
Rapp, Bryan T.
Schanen, Kevin M.
Sumislaski, James M.
Walthall, David W.

MID-AMERICA

CHICAGO

DOWNTOWN

Dvorak, Jr., William E.
Morton, Jr., Arthur J.

CHICAGO

SUBURBAN

Antony, Dean M.

NEW YORK

Nejad, Anush A.

NORTHERN VIRGINIA

Barber, Christopher G.
Chavers, James T.
Lefton, Steven E.
Martin, Robert J.
Murphy, Terence T.
Sauro, Thomas J.
Whyte, Richard D.
Yarnal, Brian D.

RICHMOND

Brewer, Brian J.
White, Timothy E.

TWIN CITIES

Bishop, Mark C.
Danielson, Paul B.
Horn, Jon B.
Leverett, Christopher C.
Smalkoski, Brian R.

VIRGINIA BEACH

Carter, Erica V.
Mackey, William F.
Marscheider, Edward A.
Nash, William A.
Tewksbury, Carl F.

MOUNTAIN

DENVER

Colvin, Scott W.
Phelps, Randall J.
Rowe, Curtis D.
Salvagio, Robin

LAS VEGAS

Ackeret, Kenneth W.
Colety, Michael D.

MESA

Margetts, Sterling T.
Marin, Laura S.

PHOENIX

Conrad, John R.
Hermann, Michael J.
Kissinger, John C.
Leistiko, David J.
Mutti, Brent H.
Noon, Lisa K.
Omais, Ahmad A.
Pretorius, Petrus S.
Purtle, Vicki L.
Schiller, Michael G.
Walnum, Nathan C.

TUCSON

Crowther, Brent C.

SOUTHEAST

ALPHARETTA

Fanney, Lawson H.

ATLANTA

Rushing, Michael L.
Walker, John D.
Wilson, Deborah L.

ATLANTA MIDTOWN

Fink, Kenneth L.
Meador, Emily H.
Montanye, Emmeline F.
Ross, Robert A.
Stricklin, David L.
Webb, Floyd C.

CARY

Adams, Richard C.
Barber, Barry L.
Byrd, Michael N.
Cook, Richard N.
Deans, Neil T.
Dunzo, Mark W.
Flanagan, Tammy L.
McEntee, David L.
Nuckols, Charles A.
Rohrbaugh, Richard R.
Venters, Samantha
Voisin, William J.
Wilson, Jon E.
Wilson, Mark S.

CHARLOTTE

Blakley, Jr., Stephen W.
Edwards, Matthew A.
Hume, Robert M.
Wilhelm, William R.

MEMPHIS

Collins, James F.
Danley, Drake E.

NASHVILLE

Benditz, John F.
Rhodes, Christopher D.

RALEIGH-DOWNTOWN

Burchett, Thomas F.
Penny, H.D.

TEXAS

AUSTIN

Boecker, Brian C.
Van Leeuwen, Andrew

DALLAS

Burns, Gregory B.
Hall, James R.
Henigsmann, Dean A.
Hoppers, Kevin P.
Nathan, Aaron W.
Smith, Eric Z.
Swindler, Roderick P.
Wilshire, Roy L.

FORT WORTH

Arnold, Scott R.
Gary, Glenn A.
James, Jeffery

FRISCO

Brignon, Brit A.
McCracken, Paul D.

HOUSTON

Frysinger, Chris V.
Guillory, Michael B.

LAS COLINAS

Tribble, Guy B.
Warren, Loy F.