



FORT LAUDERDALE EXECUTIVE AIRPORT TAXIWAY FOXTROT RELOCATION CONSULTANT OCTOBER 31, 2016 - 2:00 PM

SUBMITTED BY





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RFQ 276-11830 Fort Lauderdale Executive Airport Taxiway Foxtrot Relocation Consultant

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2 - EXECUTIVE SUMMARY

FORT LAUDERDALE EXECUTIVE AIRPORT TAXIWAY FOXTROT RELOCATION CONSULTANT

DEAR SELECTION COMMITTEE MEMBERS:

Successful projects begin with the commitment of the most qualified and experienced professionals who understand the project related issues and also understand their clients' needs. KEITH AND ASSOCIATES, INC., is well-suited to meet the City's requirements for the relocation of Taxiway Foxtrot at Fort Lauderdale Executive Airport (FXE), as we have recent experience with runway and taxiway projects, while also having worked the past several years at FXE as a subconsultant. RS&H, Tierra South Florida and Aspen Environmental comprise the balance of our team. They have a long history of successfully working with aviation partners, particularly in South Florida. Through the breadth and depth of our entire team, we offer the City of Ft. Lauderdale the technical expertise, reliability, responsiveness and dedication necessary for the successful completion of this contract.

FIRM OVERVIEW

KEITH AND ASSOCIATES, INC. was incorporated as a Florida corporation in 1998. The firm was founded on the principal of achieving success by combining the latest technology with client oriented business practices and a staff of experienced and talented professionals. As a mid-size closely-knit firm, we provide Civil Engineering, Urban and Comprehensive Planning, Surveying and Mapping, Subsurface Utility Engineering (SUE), Landscape Architecture, Construction Management, Geographic Information Systems (GIS) and Building Information Modeling (BIM) Technology services. Our professional staff is fully trained in Civil 3D, as well as Civil BIM modeling and our survey staff is utilizing the latest 3D laser scanning technology. Our corporate headquarters located in Pompano Beach will service this contract.

KEITH AND ASSOCIATES, INC. understands the importance of community involvement and the necessity of working with local, state and federal agencies in a hands-on cooperative manner to build consensus and receive subsequent approval of highly sensitive projects. We are members of the Florida Airports Council and appreciate the need to remain engaged with all stakeholders within the industry. This approach represents an underlying philosophy of the firm which results in a quality product, with emphasis on scheduling and cost effectiveness, through team oriented management and quality control.

Over the last 18 years, KEITH AND ASSOCIATES, INC. has been performing aviation projects in Broward County. Our roles have progressed from subconsultant to Prime consultant, while having contributed to signature projects. With each successful contract, our level of expertise has grown to yield a well-rouded team whose expertise spans industry and agency requirements, in addition to knowledge of local conditions, all of which form the foundation of our understanding of how to best service FXE and the requirements of this contract. Furthermore, our major subconsultant partner, RS&H, is recognized nationally as a leader in the aviation design industry. We have partnered with RS&H for over 16 years. Our firms have developed deep ties, as our staff have joined forces to



FORT LAUDERDALE/HOLLYWOOD INTERNATIONAL AIRPORT SOUTH RUNWAY

tackle complicated projects successfully. For example, at FLL we worked together on Runway 9R-27L modifications and also on emergency repairs, as well as on Taxiway C East and Taxiway C West. We are also currently working with RS&H on our General Engineering Contract for FLL and HWO. In addition to engineering design, KEITH AND ASSOCIATES, INC. has performed surveying, utility coordination, contract administration, airside construction inspections/management, construction management, document control, observations/inspections, schedule and cost controls and contract closeout certifications. Our experienced and qualified inspection staff are trained in providing Construction Engineering and Inspection (CEI) services. Our inspection staff members are CTQP (Construction Technician Qualification Program) certified. From construction managers to technical inspection personnel, our highly efficient team has the capabilities to support public agencies, governmental municipalities and State agencies.



2 - EXECUTIVE SUMMARY

The Management team introduced here will be further discussed throughout this response submittal. They will work out of our corporate headquarters located in Pompano Beach.

Dodie Keith-Lazowick, PSM	Principal-in-Charge
James Thiele, PE	Senior Project Manager
Alex Lazowick, PE	Assistant Project Manager
Stephen Williams, PE	QA/QC Manager

KEY ELEMENTS OF THIS SOQ

In 1996 an adaptation to the FAA's standards was approved, recorded and shown on FXE's Airport Layout Plan (ALP), allowing Taxiway Foxtrot's separation to Runway 9-27 to remain at 305'. With the substantial growth at FXE from 1996 through today and with the anticipated future growth shown in the Master Plan, now is the perfect time to obtain FAA and FDOT grants to relocate Taxiway Foxtrot and upgrade the Taxiway intersections to comply with the updated FAA Advisory Circular 150/5300-13A – change 1.

WE ARE THE TEAM YOU CAN TRUST TO GET THE JOB DONE

We greatly appreciate your consideration of this qualifications package and are excited at the prospect of working with the City of Ft. Lauderdale and with FXE, while supporting FXE's mission to grow business opportunities within our community. We offer the City of Fort Lauderdale and FXE our team's experience and as a locally based firm, we have a further personal vested interest in the success of these projects for the benefit of Broward County. Our local team has lived here before this project; we will live here during the project and will live here long after the project is completed. We thank you for your consideration.

Sincerely,

Dodie Hetter

Dodie Keith-Lazowick, P.L.S President dkeith@keith-associates.com



KEITH AND ASSOCIATES, INC. is a Florida corporation whose professional team of experts has extensive past and ongoing experience with both large-scale private and public sector projects. Our staff combines the technical work experience of over 95 professionals with an extensive working knowledge of local and regional projects, with particular emphasis on aviation projects within Broward county. This convergence of experience has resulted in the development of important relationships with key agencies, in addition to a tremendous database of knowledge and information concerning local, past and ongoing projects, which is an invaluable asset we can provide to our clients.

Keith and Associates, Inc. 301 East Atlantic Boulevard Pompano Beach, FL 33060 (p) 954.788.3400 (f) 954.788.3500 www.keith-associates.com Contact: James Thiele, P.E. jthiele@keith-associates.com

KEITH AND ASSOCIATES, INC., is certified as a Disadvantaged Business Enterprise (DBE). The Firm also holds Florida Department of Transportation (FDOT) qualification in several FDOT Work Groups. These include 3.1 Minor Highway Design, 8.1 Control Surveying, 8.2 Design, Right of Way & Construction Surveying, 8.4 Right of Way Mapping, 10.1 Roadway Construction Engineering Inspection, 13.6 Land Planning/Engineering and 15. Landscape Architecture.

KEITH AND ASSOCIATES, INC. values sustainable design infrastructure. Where applicable, we utilize building materials and resources that reduce our ecological footprint. We are currently providing integrated engineering design components on a number of public facilities to facilitate a designation of a LEED Certified Building and several employees have LEED designations. We recently oversaw the LEED Silver designation of the new Maintenance Facility at FLL.

AVIATION EXPERTISE

We understand an airport encompasses all facets of transportation including public transportation (buses, taxis and shuttles), pedestrian traffic, vehicular parking and roadways in addition to the aviation components. Over the last 18 years, KEITH AND ASSOCIATES, INC. and our supporting consulting team partners have successfully completed the design, permitting, construction and certification of numerous transportation, utility and pavement projects at Broward County airports.

We also understand the many challenges faced with improving and maintaining the transportation, utility infrastructures and the aviation infrastructure at these facilities and have demonstrated our ability to provide quality, functional designs, while maintaining budget parameters and expediting schedule requirements.

KEITH AND ASSOCIATES, INC. has been most effective in our various roles because we have built a truly local team focused on Broward County aviation projects. Our team's extensive aviation related experience provides us with a real understanding and respect for the numerous stakeholders, consultants, contractors and agencies that must work concurrently, effectively and in harmony for airport improvement projects to culminate in success.

Facility / Project Name	Туре
FXE Taxiway Bravo Resurfacing	Airfield
FXE Customs Building	Building
FXE Taxiway C & D Rehabilitation	Airfield
FXE Taxiway Echo	Airfield
FXE Taxiway Charlie	Airfield
FXE Taxiway Intersection Improvements	Airfield
FXE Taxiway Foxtrot Pavement Rehab	Airfield
FLL Runway 13-31 Rehab	Airfield
FLL Utility Atlas Update	Airfield
FLL Runwy 9L-27R Correction Action Plan	Airfield
FLL GEC	Airfield
FLL Sky Chef Building	Building
FLL Airfield Mods TW C	Airfield
FLL Horeshoe Area Survey	Airfield
FLL Taxiway C West	Airfield
FLL Reference Benchmarks for Concourses	Airfield
FLL North Perimeter (Bus Lanes)	Airfield
FLL Northern, Westside & Ravenswood Drainage System	Airfield
FLL NE Pond Irrigation Pipeline	Airfield
FLL North Perimeter Road	Airfield
FLL Ft. Lauderdale Public Safety Facility	Building
FLL Utility Atlas Phase II	Airfield
FLL New South Runway (10R-28L	Airfield
FLL Water Main (WM) and Force Main (FM) Packages	Airfield
FLL Southwest Airlines T1 Councourse A	Building
FLL Maintenance Facility	Building
FLL T4 Gate Replacement	Building
FLL T1 Curbside Canopy	Building
FLL Master Plan Update	Airfield
PMP Master Drainage	Airfield
PMP Sheltair Hangar	Building
	-



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FIRM LICENSES AND CERTIFICATIONS

State of Florida **Department of State**

I certify from the records of this office that KEITH AND ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 20, 1998, effective January 16, 1998.

The document number of this corporation is P98000006011.

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 4, 2016, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution

racking Number: CC4834396644

DBA: ss Name: KEITH & ASSOCIATES INC

Owner Name: ROBERT P MCSWEENEY PE tess Location: 301 E ATLANTIC BLVD POMPANO BEACH siness Phone: 954-788-3400

Number of Machines: Transfer Fee NSF Fee 0.00

DBA: Business Name: KEITH & ASSOCIATES INC

Seats

 Tax Amount
 Transfer Fee
 NSF Fee
 Penalty

 30.00
 0.00
 0.00
 0.00

Owner Name: ADOLPHINE M LAZOWICK Business Location: 301 E ATLANTIC BLVD POMPANO BEACH Business Phone: 954-788-3400

Rooms

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

ADOLPHINE M LAZOWICK 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060

Mailing Address

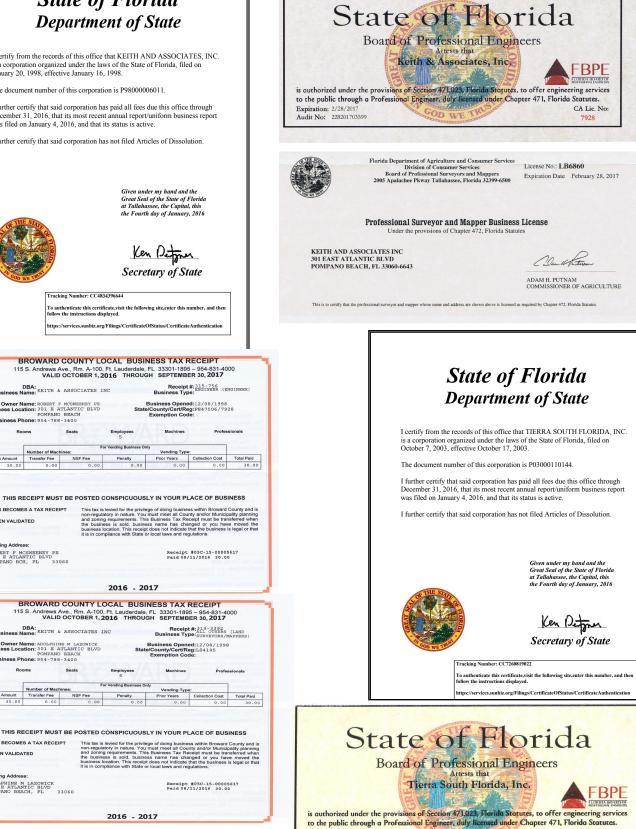
0.00

30.00

WHEN VALIDATED ailing Address: ROBERT F MCSWEENEY PE 301 E ATLANTIC BLVD POMPANO BCH. FL 33060

THIS BECOMES A TAX RECEIPT

Penalty 0.00



Expiration: 2/28/2017 Audit No: 228201702527

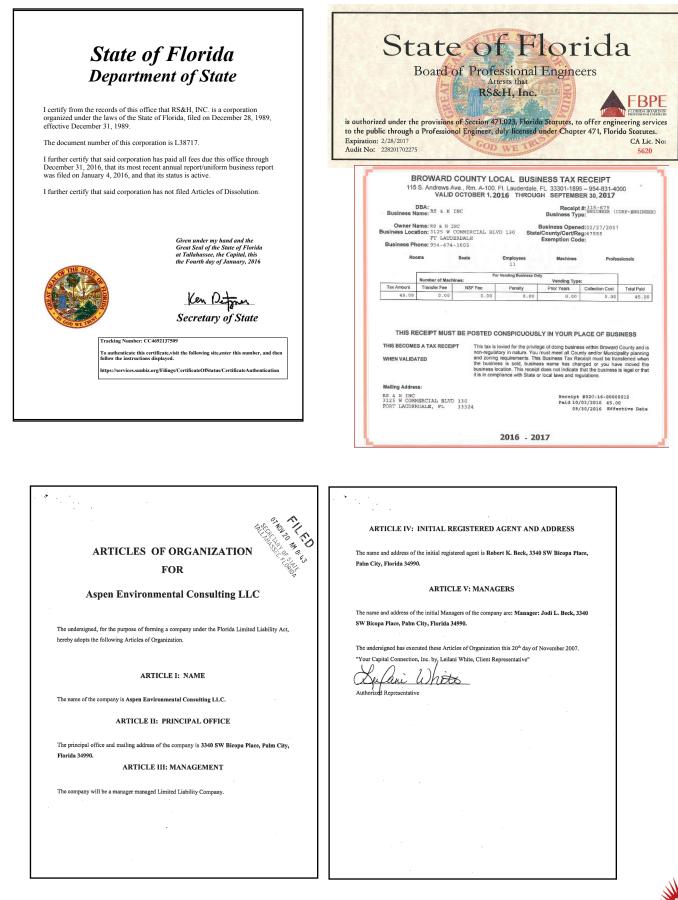




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CA Lic. No: 28073

SUBCONSULTANT FIRM LICENSES AND CERTIFICATIONS



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STANDARD FORM 330

ARCHITECT - ENGINEER QUALIFICATIONS

PART	I - CONTRACT-SP	ECIFIC QUALIF	ICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Fort Lauderdale Executive Airport Taxiway Foxtrot Relocation Consultant (Fort Lauderdale, Florida)

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
September 21, 2016	276-11830

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Ms. Adolphine "Dodie" Keith-Lazowick, PLS, President

5. NAME OF FIRM

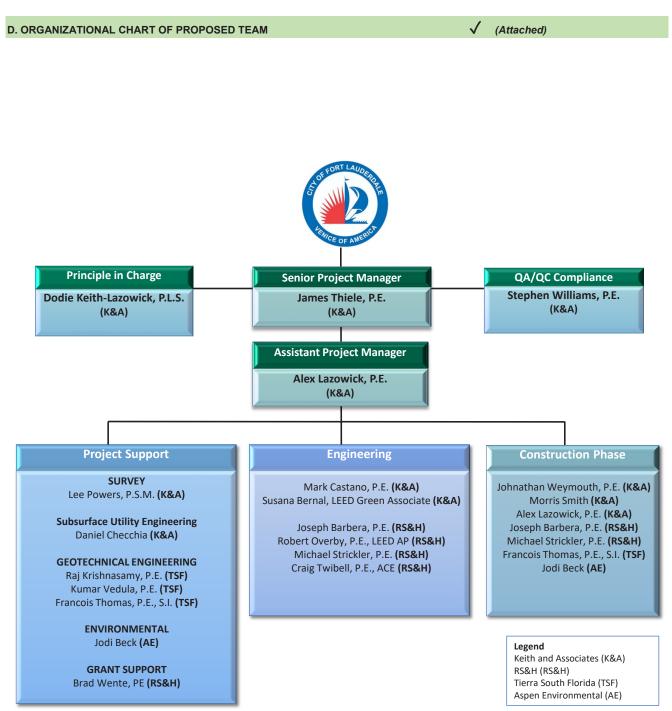
Keith and Associates, Inc.

6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS				
(954) 788-3400	(954) 788-3500	dkeith@keith-associates.com				

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

	(Check)		k)			
	PRIME	J-V PARTNER	SUBCON- TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	\checkmark			Consulting engineers	301 East Atlantic Boulevard Pompano Beach, FL 33060	Civil Engineering, Survey, SUE
b.			\checkmark	RSSH ✓ CHECK IF BRANCH OFFICE	3125 W. Commercial Boulevard, Suite 130 Fort Lauderdale, FL 33309	Civil Engineering, Electrical and Grant Support Services
C.			\checkmark		2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411	Geotechnical Engineering
d.			\checkmark	ASPEN BONSBELTING, TAL CHECK IF BRANCH OFFICE	2014 SW Oxbox Way Palm City, FL 33490	Environmental
e.				CHECK IF BRANCH OFFICE		







STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12.	NAME	13. ROLE IN THIS CONT		,	1	14. YEARS EXPERIENCE
	Dodie Keith-Lazowick, P.L.S.	Principal in Charg			a. TOTAL 40	
	FIRM NAME AND LOCATION (City and State) ith and Associates, Inc., Pompano Beach, Florida					
	EDUCATION (DEGREE AND SPECIALIZATION)		17. CURREN	NT PROFESSIONAL R	EGISTRATIO	ON (STATE AND DISCIPLINE)
BS	Land Surveying, University of Florida, 1982		Professio			rida, License No. 4105
Fic Ma AC	18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Survey and Mapping Society (F.S.M.S.), Broward County Chapter of F.S.M.S., American Congress on Surveying and Mapping, National Society of Professional Surveyors, Co-editor, "Laws and Regulations Affecting Surveying Practice in Florida," ACSM/ FSPLS Student Chapter, 1982, Co-author, "Total Station Capability," Board Appointed, 2008 Girl Scouts of Broward County's Community Partnership Award					
		19. RELEVANT PI	ROJECTS			
	(1) TITLE AND LOCATION (<i>City and State</i>) 10R/28L Runway Expansion Lead Design Tea	m at Fort			.,	COMPLETED
	Lauderdale/Hollywood International Airport (ida)	PROFESSIONAL SE 2013		CONSTRUCTION (If applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S			Check if proje		
a. As the Principal Contract Manager, Ms. Keith-Lazowick was responsible for the general oversight and coordination of the prelimir engineering and design of all utilities, earthwork, grading and portions of the stormwater management system associated with 8,000 foot runway expansion project. Additional responsibilities included the preparation of the Design Criteria Package for Design/Build portion of the tunnel and bridge section over the FEC Railroad, US 1 and Interstate 595 entrance ramps, all surveying mapping functions including Utility Coordination and Subsurface Utility Locations and identification. Project scope included both des and construction administration and civil engineering inspections to accept and certify the project.				system associated with the in Criteria Package for the ince ramps, all surveying and		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED
b.	Professional Consultant Services for Fort La International & North Perry Airports, Utilities Lauderdale, Florida)			PROFESSIONAL SE On-going		CONSTRUCTION (If applicable) On-going
D.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if p	roject perfo	ormed with current firm
	Ms. Keith-Lazowick is serving as the Contract M during construction for airport utility and pavement task work order contract where Keith and Assoc	ent projects. The worl	k performe	d is located both		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED
	Utility Atlas Updated for South Runway Expa Lauderdale/Hollywood International Airport (ida)	PROFESSIONAL SE 2015	RVICES	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pr	oject perfor	rmed with current firm
C.	Ms. Keith-Lazowick served as the Contract Mai establishing geodetic and vertical control, draina utility atlas is an ongoing effort compiling year subsurface utility infrastructure. New information and made available to the airport's consultants a	age as-builts, subsurfa rs of historic as-built n from ongoing const	ace utility e and recor ruction pro	ngineering and ae d drawing informa jects throughout t	erial photo ation as v he airport	graphy survey support. The well as current surface and
	(1) TITLE AND LOCATION (City and State)			J		COMPLETED
	Airport Capital Improvement Program at Fort International Airport (Fort Lauderdale, Florida)		bod	PROFESSIONAL SE 2010	RVICES	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pr	oject perfoi	rmed with current firm
d.	Ms. Keith-Lazowick served as the Contract Man ability to properly scope a project, meet scher through the multiple assignments under these Safety Critical Airfield Signage Survey, Northerr Obstruction Analysis, HWO Runway Ends 9R/27	dule requirements ar contracts. Signature n and Ravenswood D	nd create i projects ir rainage Sy	reasonable budge nclude: Taxiway C vstems Analysis, A	ets has be West Re Airfield Mo	een proven time and again econstruction Project, AGIS dification/High-Speed Exits,
	(1) TITLE AND LOCATION (City and State)		Cuetama		.,	COMPLETED
	Rehabilitation/Resurfacing of Various Tax Building– Fort Lauderdale Executive Airport			PROFESSIONAL SE On-going		CONSTRUCTION (If applicable) On-going
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$					rmed with current firm
	Since 2008, Ms. Keith-Lazowick has served Resurfacing of Taxiways B, C&D, E and F, as w	as the QA/QC offic	•	ographic surveys		



STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)						
12.	NAME	13. ROLE IN THIS CONT	TRACT			14. YEARS EXPERIENCE	
Ja	mes Thiele, P.E.	Senior Project Ma	anager		a. TOTAL 37		
	FIRM NAME AND LOCATION (City and State)						
	ith and Associates, Inc., Pompano Beach, Florida EDUCATION (DEGREE AND SPECIALIZATION)		17 CURREN		EGISTRATI	ON (STATE AND DISCIPLINE)	
	Civil Engineering, University of Miami, 1978			nal Engineer, Flori		,	
				-		ealth of Pennsylvania, No.	
18.	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org	ganizations, Training, Award					
		19. RELEVANT P	ROJECTS				
	(1) TITLE AND LOCATION (City and State)	. = .			(2) YEAR (COMPLETED	
	10R/28L Runway Expansion Lead Design Tea Lauderdale/Hollywood International Airport (orida)	PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$	SPECIFIC ROLE		Check if pro	ject perforr	med with current firm	
a.				he construction of the proposed runv	an 8,000 vay requir) foot runway on the current res the design to include the	
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED	
	Airport Expansion Program Water and Sewer grades at Fort Lauderdale/Hollywood Interna Lauderdale, Florida)		tion/Up-	PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (<i>If applicable</i>) 2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if p	Check if project performed with current firm		
b. As With the planning of runway 10R-28L it was necessary to relocate/up-grade the airports transmission water mains and sewer mains that were in conflict with the new improvements. This included the design, permitting and construction administration of e separate design packages that totaled over 19,000 ft of new water main and force main transmission lines that serve the airport also necessary to prepare four (4) separate demolition design packages for the removal of the existing lines. Mr. Thiele coord these permit applications and the certification packages expeditiously with the agencies and kept BCAD/ PMO informed of the proof these completions throughout the term of these projects				on administration of eight (8) that serve the airport. It was nes. Mr. Thiele coordinated			
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED	
	Canopy Projects at Fort Lauderdale/Hollywoo Lauderdale, Florida)	od International Airp	oon (Fort	PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2015	
c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Check if project performed with current firm Following the hurricanes of 2004, the County desired to replace the shade canopies along the terminal walkways for the upper ticketing/ departure approach for terminals 1, 2 and 3. Keith and Associates prepared design plans for the demolition requirement this project and civil design aspects of this project. This project includes installation of a canopy at the Economy Parking area and Associates is also providing a full time resident project inspector for the construction of this project. Through our relationship Broward County EPGM, we were able to quickly obtain a stormwater permit exemption for this project.				valkways for the upper level e demolition requirements of conomy Parking area. Keith rough our relationships with			
	(1) TITLE AND LOCATION (City and State) Master Plan Update at Fort Lauderdale/Holly	wood International /	Virnort		• •	COMPLETED	
	(Fort Lauderdale, Florida)		aipon	PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable) On-going	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pr	oject perfo	rmed with current firm	
d. The ADPD (Airport Development Plan Definition) is the first part of a two-phase update process for the FLL Master Plan, addresses the expansion of FLL terminals and ancillary facilities from 2010 - 2020. The ADPD process will provide County dec makers with a range of potential future scenarios for the full build-out of FLL landside and terminal facilities. Keith and Asso prepared draft Comprehensive Plan Amendments for the Comprehensive Plan of Broward County, City of Fort Lauderdale, C Hollywood and City of Dania Beach for consistency with Florida State Statutes and the FLL Airport Master Plan. This wor extended to include the modernization of terminals 2 and 3.					vill provide County decision- lities. Keith and Associates of Fort Lauderdale, City of		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED	
	Professional Consultant Services for I International & North Perry Airports, Utilitie Lauderdale, Florida)			PROFESSIONAL SE 2015	RVICES	CONSTRUCTION (If applicable) On-going	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pr	oject perfo	rmed with current firm	
	Mr. Thiele is serving as the Senior Project Ma during construction for airport utility and pavem task work order contract where Keith and Assoc	ent projects. The wor	k performe	ed is located both			

STANDARD FORM 330



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STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12.	NAME	13. ROLE IN THIS CONT	,	. ,	14	4. YEARS EXPERIENCE
	ex Lazowick, P.E.	Assistant Project I	Manager		a. TOTAL 6	b. WITH CURRENT FIRM 6
15.	FIRM NAME AND LOCATION (City and State)	1				
	th and Associates, Inc., Pompano Beach, Florida					
	EDUCATION (DEGREE AND SPECIALIZATION)					N (STATE AND DISCIPLINE)
В.5	Civil Engineering, University of North Florida, 20	Profession	nal Engineer, Flori	da, Licens	e No. 78625	
18.	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org	anizations, Training, Award	ls, etc.)			
	CE Member, FES Member, BIM Smart Founda					
	chnician Level 1 & 2 (FDOT), Earthwork Constru clear Gauge, Final Estimates Level 1 (FDOT), FD					
<u>Nu</u>		19. RELEVANT PI			101, 001	
	(1) TITLE AND LOCATION (City and State)				(2) YEAR CO	OMPLETED
	10R/28L Runway Expansion Lead Design Tea Lauderdale/Hollywood International Airport (ida)	PROFESSIONAL SE 2015	RVICES	CONSTRUCTION (If applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$	SPECIFIC ROLE			iect perform	ed with current firm
	Mr. Lazowick was responsible for the design o		rk, grading			
a.	associated with the 8,000 foot runway expansion	on project. He assist	ed with the	e development of	conceptua	al runway extension design
u.	alternatives and permitting of the 24" water					
	preparation of the Design Criteria Package for t and Interstate 595 entrance ramps, all surveying					
	and identification and the coordinating and ov	erseeing designation	s and loca	ations of all geote	echnical bo	orings associated with the
	design efforts. His Duties also included providir					
	system and engineering inspections to confirm s for the Design Criteria Package for the U.S. 1/FE		аеа. не а	iso assisted with l	utility and r	oadway conceptual design
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED			
	Taxiway C and C2 Interconnector at Fort Lauderdale/Hollywood International Airport (Fort Lauderdale, Florida)			PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable)
b.				2011		2012
5.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if project performed with current firm		
	This project included construction work related services for extending Taxiway			C and C2 East End	d – Phase	II and Repackaged Airfield
	Enhancements. (1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED		
	Runway 13/31 Rehabilitation Project at Fort Lauderdale / Hollywood		bod	PROFESSIONAL SE	. ,	CONSTRUCTION (If applicable)
	International Airport (Fort Lauderdale, Florida)			2012	INIOLO	2012
C.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$				ck if project performed with current firm	
	This project included full depth reconstruction of touchdown intersections at T			xiway "A" and Ta	xiway "C" a	and consists of milling and
	resurfacing at the North approach end of Runway 13/31 at Taxiway "C" and Taxiway "D" areas. Mr. Lazowick provided CEI ser				vick provided CEI services,	
	checking material with specifications & coordina	tion with contractor pe	ersonnel			
	(1) TITLE AND LOCATION (City and State) Taxiway C West Reconstruction at Fort Laud	ordalo/Hollywood			(2) YEAR CO	
	International Airport (Fort Lauderdale, Florida,			PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2014
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE				oject perforr	med with current firm
u.	(As a subconsultant to RS&H) This project is a taxiway reconstruction approxi					
	end of 9-Left, which includes asphalt, earthwork, lighting, signage pavement					
	services checking material and installation observations, determination of quant contractor personnel.		n of quanti	ties, compliance v	vith specifi	cations & coordination with
	(1) TITLE AND LOCATION (City and State)				(2) YEAR CO	OMPLETED
	Annual Civil Repair at Fort Lauderdale/Holl	ywood Internationa	I Airport	PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable)
	(Fort Lauderdale, Florida)			2014		2014
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S					med with current firm
	(As a subconsultant to RS&H) Mr. Lazowick h					
	Runway 10L-28R remarking, North Runway G Lazowick's role and involvement varied from pro	U		•		••
	review & CEI.			soigh, plan and s	- Somoauor	



STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12	. NAME	13. ROLE IN THIS CONTRACT		1	4. YEARS EXPERIENCE	
	tephen D. Williams, P.E.	QA/QC Officer		a. TOTAL 39	b. WITH CURRENT FIRM 2	
	. FIRM NAME AND LOCATION <i>(City and State)</i> eith and Associates, Inc., Pompano Beach, Florida					
-	. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRE	NT PROFESSIONAL	REGISTRAT	ION (STATE AND DISCIPLINE)	
-	S. Civil Engineering, University of Florida, 1977 OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org		lorida Professiona	l Engineer	#32090	
Aı Le	American Society of Civil Engineers (ASCE), Florida Engineering Society (FES), National Society of Professional Engineers (NSPE), Leadership Broward I, Fort Lauderdale Unsafe Structures Board. Computer Skills include: ProjectWise, AutoCAD; Bentley WaterGEMS, SewerGEMS; EPANET – Water System Analysis; EPA SWMM – Stormwater Management Model; Fortran					
		19. RELEVANT PROJECTS				
	(1) TITLE AND LOCATION (City and State)			(2) YEAR (COMPLETED	
	Various Projects at Fort Lauderdale Exe Lauderdale, FL (Fort Lauderdale, Florida)	ecutive Airport (FXE), Fort	PROFESSIONAL SI 1987	ERVICES	CONSTRUCTION (If applicable) 1988	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SI	PECIFIC ROLE	Check if proje	ect perform	ed with current firm	
_	Mr. Williams served as project engineer and proje					
a	Airport Layout Plan where as Project Engine including Property Map, FAR Part 77 Surfaces M Environmental Assessment and Developmer responsible for Preparation of Engineering aspe foot extension of Runway 8/26 to the west. Involv Site paving and drainage plans for numerous drainage water and sewer plans for Whittington B	ap and Airfield Layout Plan. It of Regional Impact for Ru cts (Drainage, Noise, Airfield ge ed coordination with FAA, City, I s fixed base operations where	nway Extension eometry) of Enviro BOs and the Pub as Project Manag	where as onmental <i>i</i> lic in prep ger he Pre	Project Engineer he was Assessment (EA) for 1,000 aration of document. Aspared paving, grading and	
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED	
	Eastside Engineering Study for Runway 27L E Lauderdale-Hollywood International Airport (F Aviation Department, Fort Lauderdale, FL (<i>For</i>	LL) Broward County	PROFESSIONAL SE 2005	RVICES	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		ned with current firm	
Mr. Williams investigated the feasibility of utilizing the Port Everglades Fill material for us Mr. Williams completed additional projects at FLL and North Perry Airport (HWO) includin Project 80's Expansion: Project Manager - Mr. Williams served to develop the water ma a part of Project 80's expansion. The project entailed routing stormwater through the a airport property, which discharged through the FDOT, US-1 drainage system. Mr. Wil Containment Assessment Plan, monitoring, recovery wells, permitting, remediation and the soil and groundwater at the site of the old fuel depot at FLL, during the Project 80's ex Airport Layout Plan for Fort Lauderdale/Hollywood International Airport (FLL) & Williams work on the development of the ALP updates for both of Fort Lauderdale/Holly				t program I terminal o served 1 on coordii 1978-1988 rry Airpo	for the Terminal Project as area and through the new to assist in the evaluation, nation of fuel discovered in 3) rt; Project Engineer - Mr.	
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED	
	Everglades Holiday Park, Fort Lauderdale, FL	(Fort Lauderdale, Florida)	PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable)	
			On-going		N/A	
С	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SI		Check if project performed with current firm			
As a Prime, Keith and Associates is providing comprehensive design, permitting, bid and construction phase services associated with site improvements at Everglades Holiday Park. The improvements include renovation, construction and/or reconstruction of boat docks, boat ramps, parking, ancillary buildings, limited utility infrastructure, other minor park related amenities and improvements. Mr. Williams is the project manager for this contract.						
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED	
d	Galleria Mall Expansion, Fort Lauderdale, FL (Fort Lauderdale, Florida)	PROFESSIONAL SE On-going		CONSTRUCTION (If applicable) N/A	
d	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SI	PECIFIC ROLE	Check if proj	ect perform	ed with current firm	
	Mr. Williams is responsible for the civil engineering design and coordination for over four hundred rental units and parking spaces, hotel and store expansions.		the expansion of t	the proper	ty, including approximately	
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED	
	Port Everglades Southport Phase IX, Fort Florida)	Lauderdale, Florida (Miami,	PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable)	
е	,		2016	not norf	On-going	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SI This project entails the design, permitting and handling container yards. Mr. Williams is serving	construction contract administr	ation associated	with the c	ed with current firm development of new cargo	

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	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12.	NAME	13. ROLE IN THIS CONTR	RACT	, ,		14. YEARS EXPERIENCE
	ark Castano, P.E.	Project Engineer			a. TOTAL 19	
	15. FIRM NAME AND LOCATION <i>(City and State)</i> Keith and Associates, Inc., Pompano Beach, Florida					
	EDUCATION (DEGREE AND SPECIALIZATION)		17. CURREN	NT PROFESSIONAL RE	GISTRATI	ON (STATE AND DISCIPLINE)
	S., Civil Engineering, Florida International Universit					er License No. 75644
	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org		, etc.)		0	
Flo	rida Engineering Society (FES), American Society	y of Civil Engineers (AS	SCE)			
		19. RELEVANT PR	OJECTS			
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED
	10R/28L Runway Expansion Lead Design Tea Lauderdale/Hollywood International Airport (la)	PROFESSIONAL SEI	-	CONSTRUCTION (If applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Check if proj	ect perfor	med with current firm
a.	Keith and Associates provided preliminary eng management system associated with the 8,000 the Design Criteria Package for the Design/Bui 595 entrance ramps, all surveying and map identification. Project scope included both desig the project.) foot runway expansio Id portion of the tunne ping functions includi	n project. I and brid ng Utility	Additional responses ge section over the Coordination and	nsibilities e FEC R d Subsu	included the preparation of ailroad, US 1 and Interstate rface Utility Locations and
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED
	Professional Consultant Services for Fort La			PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable)
b.	International & North Perry Airports, Utilities Lauderdale, Florida)	-	s (Fort	On-going		On-going
Б.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND			Check if project performed with current firm		
	Keith and Associates is the Prime consultant for the design, engineering and resident project representative (RPR) services during construction for airport utility and pavement projects. The work performed is located both landside and airside. This is a task work orde contract.					
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED
	Hillsboro Boulevard Intersections Improvem	ents (Deerfield Beach,	Florida)	PROFESSIONAL SEI 2010	RVICES	CONSTRUCTION (If applicable) 2010
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if pro	oject perfo	rmed with current firm
C.	The project was an FDOT Local Administered administering the project in order to meet FDOT project site is located at the intersections of Hills Beach. The project included vehicular and p channelization islands, pedestrian refuge island managed surveying, permitting and CEI services	's funding requirement sboro Boulevard (S.R. 8 bedestrian safety impl ds and ADA sidewalk	s and in a 810) at Go rovements	iccordance with the oolsby Boulevard a s at both signaliz	e City's F and at Ce ced inters	DOT LAP certifications. The ntury Boulevard in Deerfield section, including vehicular
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED
	MLK Jr. Boulevard Improvements (Pompano	Beach, Florida)		PROFESSIONAL SEP	RVICES	CONSTRUCTION (If applicable)
				On-going		On-going
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND					rmed with current firm
Keith and Associates, Inc. was instrumental in assisting the City with securing grants to help fund the project and also satisfying many commitments associated with these. One said funding source was the Florida Department of Transportation (FDOT) contribut through Local Agency Project (LAP) monies for the construction of the sidewalks along Martin Luther King Jr. Boulevard. Keith Associates also processed multiple permit and plan approvals through the many jurisdictions having interest in the project. Keith Associates Inc. was selected to provide professional engineering design and related services to the City of Pompano Beach and Pompano Beach CRA for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road) between 31st Avenue (Turnpike Ramp) and Powerline Rd. (S.R. 845) in accordance with the Phase II "Educational Corridor" improvements. roadway improvements include incorporating new sidewalks, dedicated bicycle lanes and roadside swales along both sides of roadway, roadway milling and resurfacing (with some widening and other miscellaneous improvements.				ortation (FDOT) contributing ng Jr. Boulevard. Keith and est in the project. Keith and of Pompano Beach and the ondville Road) between NW Corridor" improvements. The		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED
	Sheltair Hangar and Ramp Expansion Proj Park (PMP) – Pompano Air Park (Pompano Be	•	ach Air	PROFESSIONAL SER 2011	RVICES	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Check if pro	oject perfo	rmed with current firm
e.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Check if project performed with current firm The Holland SheltAir Aviation Group leases 40.8 acres from the Pompano Beach Air Park, and Keith and Associates was retained SheltAir to develop and process site plan drawings, perform civil engineering design for water, sewer, paving and draina improvements, survey, subsurface utility locations, landscape architecture and provide construction phase services for the s improvements to support the addition of office/hangar buildings approximately 96,100 SF of floor area on 19.6 acres of their leas property. Keith and Associates served as the Engineer of Record for these projects.			ewer, paving and drainage bhase services for the site		
		-	. ,			



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	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)									
12.	NAME	13. ROLE IN THIS CONTRACT		1.	4. YEARS EXPERIENCE					
Su	sana Bernal, LEED Green Associate	Engineering Manager		a. TOTAL 20	b. WITH CURRENT FIRM 14					
	FIRM NAME AND LOCATION (City and State) ith and Associates, Inc., Pompano Beach, Florida									
	EDUCATION (DEGREE AND SPECIALIZATION)	17. CURREN	NT PROFESSIONAL RE	EGISTRATIO	N (STATE AND DISCIPLINE)					
	S., Civil Engineering, EAFIT University, Columbia		nal Engineer, Colu	mbia No. (0520262447ANT					
Co	18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Concrete Structural Design EAFIT University, Colombia, 1993, AutoCAD training and Microstation training, MEJIA VILLEGAS S.A. Consulting Engineers, Colombia, 1998, Turner School of Construction Management Certification, LEED Green Associate Certification									
Co	nsulting Engineers, Colombia, 1998, Turner Schoo		Certification, LEEL	J Green A	ssociate Certification					
	(1) TITLE AND LOCATION (City and State)	19. RELEVANT PROJECTS			OMPLETED					
	10R/28L Runway Expansion Lead Design Tea	am at Fort		· · /						
	Lauderdale/Hollywood International Airport (PROFESSIONAL SE 2013		CONSTRUCTION (If applicable) 2016						
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S			ned with current firm						
a.	With the construction of the new runway and de of the vacated land of the Westerly runway into Northerly runway needed to be evaluated with a Keith and Associates performed hydraulic cal developed a detailed report with cost estimates off.	rder to consider th 95 to County own otions in construct	is the ove ed propert tion of su	rall drainage system of the y on the West side of I-95. ch an interconnection and						
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED					
	Professional Consultant Services for Fort Lauderdale-Hollywood International & North Perry Airports, Utilities & Pavement Projects (Fort		PROFESSIONAL SE On-going		CONSTRUCTION (If applicable) On-going					
b.	Lauderdale, Florida)									
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S Keith and Associates is the Prime consultant f			, ,	med with current firm					
	construction for airport utility and pavement projecontract.									
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED					
	Canopy Projects at Fort Lauderdale/Hollywood International Airport (Fort Lauderdale, Florida)		PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2015					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$	Check if pro	oject perfori	med with current firm						
c.	ticketing/ departure approach for terminals 1, 2 this project and civil design aspects of this proj and Associates is also providing a full time resid	Following the hurricanes of 2004, the County desired to replace the shade canopies along the terminal walkways for the upper level ticketing/ departure approach for terminals 1, 2 and 3. Keith and Associates prepared design plans for the demolition requirements of this project and civil design aspects of this project. This project includes installation of a canopy at the Economy Parking area. Keith and Associates is also providing a full time resident project inspector for the construction of this project. Through our relationships with Broward County EPGM, we were able to quickly obtain a stormwater permit exemption for this project.								
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED					
	Sheltair Hangar and Ramp Expansion Projec Park (PMP) – Pompano Air Park (Pompano Be		PROFESSIONAL SE 2011	RVICES	CONSTRUCTION (If applicable) 2015					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$		-		med with current firm					
d.	The ADPD (Airport Development Plan Definition) is the first part of a two-phase update process for the FLL Master Plan, which addresses the expansion of FLL terminals and ancillary facilities from 2010 - 2020. The ADPD process will provide County decision makers with a range of potential future scenarios for the full build-out of FLL landside and terminal facilities. Keith and Associate prepared draft Comprehensive Plan Amendments for the Comprehensive Plan of Broward County, City of Fort Lauderdale, City Hollywood and City of Dania Beach for consistency with Florida State Statutes and the FLL Airport Master Plan. This work has extended to include the modernization of terminals 2 and 3.									
	(1) TITLE AND LOCATION (City and State)			(2) YEAR C	OMPLETED					
	Terminal 2 Expansion at Fort Lauderdale/Hol (Fort Lauderdale, Florida)	llywood International Airport	PROFESSIONAL SE 2015	RVICES	CONSTRUCTION (If applicable) On-going					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE	Check if pro	oject perfor						
e.					vements that are proposed es (BCWWS) has afforded ir staff early in the process.					

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12. NAME 13. ROLE IN THIS CONTRACT International Control (City and State) 15. FIRM NAME AND LOCATION (City and State) International Control (City and State) International Control (City and State) Keith and Associates, Inc., Pompano Beach, Florida 11 T T 16. EDUCATION (JCEOREE AND SPECIALIZATION) International Control (City and State) International Control (City and State) 18. OTHER ROFESSIONAL OLIVERATIONS Second Control (City and State) International Control (City and State) 18. OTHER ROFESSIONAL OLIVERATIONS (State) Professional Surveyors & Mapper, Blid State) International Control (City and State) 19. RELEVANT PROJECTS 19. RELEVANT PROJECTS Construction (International Airport Terminals Medemization (1, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) PROFESSIONAL DERIVICES CONSTRUCTION (International Airport Terminals Medemization (1, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) Conck if project performed with current firm Keith and Associates, Inc. is currently serving as a Sub-Consultant to Gresham Smith and Partners for this Terminal Modernization projects at Fort Lauderdale, Florida (Fort Lauderdale, Florida) Construction (If applicable) 0. International Airport FAX State) Construction (If applicable) Construction (If applicable) 10. ITTLE AND LOCATION (City and State) Construction (If applicable) Construction (If applicable)	Lee Powers, PSM Project Surveyor/GIS Specialist In Torkit 1 NTH CURRENT PRO- 11 15. FRM NAME AND LOCATION (<i>City and Statel</i>) International State (1) International State (1) International State (1) 16. EDUCATION (<i>DEGREE AND SECOLLIZATION</i>) International State (1) International State (1) International State (1) 16. EDUCATION (<i>DEGREE AND SECOLLIZATION</i>) International State (1) International State (1) Florida Professional Surveyor & Mapper, #6805 18. OTHER PROFESSIONAL QUALFICATION (<i>State AND Discreptions</i>) Report (1) <		E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)								
Import Control (C) 11 7 15 FIRM NAME AND LOCATION (City and State) (Addition and Associates, Inc., Pompano Beach, Florida (Addition and Associates, Inc., Pompano Beach, Florida 16. EDUCATION (CIC) (City and State) (Addition and Associates, Inc., Pompano Beach, Florida (Forda Professional Surveyor & Mapper, #6805 18. OTHER PROFESSIONAL OUALFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Professional Surveyors & Mapper, #6805 18. OTHER PROFESSIONAL OUALFICATIONS (Publications, Organizations, Training, Awards, etc.) Professional Surveyors & Mapper, Bill Smart Foundation, Member, BuildingSMART Foundation Member. Certifications: Transportation Worker Identification Credential (TWIC), FDOT Maintenance of Traffic (2) YEAR COMPLETED 10. THELEVANT PROJECTS (2) YEAR COMPLETED (2) VEAR COMPLETED 11. (3) RIFE DESCRIPTION (Birle scope, size, cost, etc.) AND SPECIFIC ROLE (2) VEAR COMPLETED (2) VEAR COMPLETED 11. THE AND LOCATION (City and State) (2) VEAR COMPLETED (2) VEAR COMPLETED (2) VEAR COMPLETED 13. BIREF DESCRIPTION (Birle scope, size, cost, etc.) AND SPECIFIC ROLE (2) VEAR COMPLETED (2) VEAR COMPLETED 14. 3) RIFE DESCRIPTION (Birle scope, size, cost, etc.) AND SPECIFIC ROLE (2) VEAR COMPLETED (2) VEAR COMPLETED 14. 3) RIFE DESCRIPTION (Birle scope,		12.	NAME	13. ROLE IN THIS CON	TRACT		14.	YEARS EXPERIENCE			
15. FRM NAME AND LOCATION (City and State) Ketth and Associates, Inc., Pompano Beach, Florida 16. EDUCATION (DECREE AND SPECAL/ZATION) BS Land Surveying & Geomatics Engineering, Purdue University, 2005 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Surveyors & Mapper, #6805 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors & Mappers, BIM Smart Foundation, Member, BuildingSMART Foundation Member. Certifications: Transportation Worker Identification Credential (TWIC), FDOT Maintenance of Traffic 19. RELEVANT PROJECTS (1) TITLE AND LOCATION (City and State) Florida) (3) RIFE DESCRIPTION (Brief scope, size, coat, etc.) AND SPECIFIC ROLE Keith and Associates, Inc., is currently serving as a Sub-Consultant to Gresham Smith and Partners for this Terminals Modernization project. Mr. Powers completed stateout and as-builts for the repainting of the striping around Terminals 1, 2 & 83. (1) TITLE AND LOCATION (City and State) Variout Statey & For ALL State (City) and State) Variout States, Inc., is currently serving as a Sub-Consultant to Gresham Smith and Partners for this Terminals 1, 2 & 83. (a) ITTLE AND LOCATION (City and State) Variout Statey & Construction (If applicable) Airport (FXE), Fort Lauderdale, Florida (Fort Lauderdale Executive Airop (City) an	15. FPM NAME AND LOCATION (<i>Degree Aval.</i> State) Keith and Associates, Inc., Pompano Beach, Florida 16. EDUCATION (<i>DEGREE Aval.</i> SPECIAL/ZATION) BS Land Surveying & Geomatics Engineering, Purdue University, 2005 17. CURRENT PROFESSIONAL REGISTRATION (<i>STATE AND DISCPLINE</i>) Florida Professional Surveyor & Mapper, #6805 18. OTHER PROFESSIONAL QUALFICATIONS (<i>Publications</i> , Organizations, Taining, Awards, etc.) Florida Sociational Surveyors & Mappers, BIM Smart Foundation, Member, BuildingSMART Foundation Membr. Certifications: Transportation Worker Identification Credential (TWUC), FDOT Maintenance of Traffic Fort Lauderdale-Hollywood International Airport Terminals Modernization (1, 2 and 3) Fort Lauderdale, Florida (<i>Fort Lauderdale</i>). (a) ITHE AND LOCATION (<i>City and State</i>) Construction (<i>Mar. span.</i> , act, etc.) AND SPECIFIC ROLE Check It project memory with and Partners for this Terminal Modernization (1, 72, and 3) Fort Lauderdale, Florida) (a) ITHE AND LOCATION (<i>Ang. and.</i> , state, cost, etc.) AND SPECIFIC ROLE Check If project performed with current firm For rehabilitation of Taxiways Charlie, Deta, Econ and Foxtol, performed topographic surveys as per FAA A/C 150/3300-16A, 17 and 138 and 3uccessfully uploaded information to the FAA GIS database. (b) ITHE AND LOCATION (<i>City and State</i>) Construction (<i>Happlicable NIA</i> (c) ITHE AND LOCATION (<i>City and State</i>) Check If project performed with current firm For rehabilitation of Taxiways Charlie, Deta, Econ and Foxto	Le	e Powers, PSM	Project Surveyor,	/GIS Spec	ialist					
Keith and Associates, Inc., Pompano Beach, Florida 16. EDUCATION (DEGREE AND SPECIALIZATION) 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors & Mappers, BIM Smart Foundation, Member, BuildingSMART Foundation Member. Certifications: Transportation Worker Identification Credential (TWIC), FDOT Maintenance of Traffic 10. RELEVANT PROJECTS (2) YEAR COMPLETED Notation (I, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) (2) YEAR COMPLETED Notation (I, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) (2) YEAR COMPLETED Notation (I, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) (2) YEAR COMPLETED Notation (I, 1, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida) (2) YEAR COMPLETED Various State) Various State <	Keith and Associates, Inc., Pompano Beach, Florida 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISC/PLINE) 18. EDUCATION (DEGREE AND SECAULIZATION) 17. CURRENT PROFESSIONAL BEGISTRATION (STATE AND DISC/PLINE) 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Professional Surveyor & Mapper, #6805 18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors & Mappers, BIM Smart Foundation, Member, BuildingSMART Foundation Member, Gertifications: Transportation Worker Identification Credential (TWIC), FDOT Maintenance of Traffic Control Lauderdale-Hollywood International Airport Terminals Modernization (1, 2 and 3) Fort Lauderdale, Florida (Fort Lauderdale, Florida (Fort Lauderdale, Florida) (b) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current film Keith and Associates, Inc. is currently serving as a School Consultant to Gresham Smith and Partners for this Terminals 1, 2 & 33. (2) YEAR COMPLETED Various Taxiway Rehabilitation Projects at Fort Lauderdale, Florida) (2) YEAR COMPLETED (2) YEAR COMPLETED Unitity Attas Updated finder scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current film 6. (a) REF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (2) YEAR COMPLETED U1111112 HAB LOCATION (Cog and State)						11	7			
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(1) TITLE AND LOCATION (<i>City and State</i>) (2) YEAR COMPLETED MLK Jr. Boulevard Improvements, Pompano Beach, Florida (<i>Pompano</i> PROFESSIONAL SERVICES CONSTRUCTION (<i>If applicable</i>) PROFESSIONAL SERVICES CONSTRUCTION (<i>If applicable</i>)	(1) TITLE AND LOCATION (<i>City and State</i>) (2) YEAR COMPLETED MLK Jr. Boulevard Improvements, Pompano Beach, Florida (<i>Pompano Beach, Florida</i>) PROFESSIONAL SERVICES On-going CONSTRUCTION (<i>If applicable on going N/A</i> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Check if project performed with current firm The project was an FDOT Local Administered Project (LAP) managed by the City. Keith and Associated assisted the City administering the project in order to meet FDOT's funding requirements and in accordance with the City's FDOT LAP certifications. The project site is located at the intersections of Hillsboro Boulevard (S.R. 810) at Goolsby Boulevard and at Century Boulevard in Deerfie Beach. The project included vehicular and pedestrian safety improvements at both signalized intersection, including vehicular		Mr. Powers served as the Project Surveyor for	this utility location p		nce completed, thi	s project wi	Il include sub-meter GPS			
MLK Jr. Boulevard Improvements, Pompano Beach, Florida (Pompano PROFESSIONAL SERVICES CONSTRUCTION (If applicable)	MLK Jr. Boulevard Improvements, Pompano Beach, Florida (Pompano Beach, Florida) PROFESSIONAL SERVICES On-going CONSTRUCTION (If applicable N/A e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm The project was an FDOT Local Administered Project (LAP) managed by the City. Keith and Associated assisted the City administering the project in order to meet FDOT's funding requirements and in accordance with the City's FDOT LAP certifications. Th project site is located at the intersections of Hillsboro Boulevard (S.R. 810) at Goolsby Boulevard and at Century Boulevard in Deerfie Beach. The project included vehicular and pedestrian safety improvements at both signalized intersection, including vehicular			ations. This data will	be used to	populate/update t					
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	 (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE (3) Check if project performed with current firm (4) The project was an FDOT Local Administered Project (LAP) managed by the City. Keith and Associated assisted the City administering the project in order to meet FDOT's funding requirements and in accordance with the City's FDOT LAP certifications. The project site is located at the intersections of Hillsboro Boulevard (S.R. 810) at Goolsby Boulevard and at Century Boulevard in Deerfie Beach. The project included vehicular and pedestrian safety improvements at both signalized intersection, including vehicular 			beach, rionda	(i ompano						
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administering the project in order to meet FDOT's funding requirements and in accordance with the City's FDOT LAP certifications. The	Beach. The project included vehicular and pedestrian safety improvements at both signalized intersection, including vehicul		administering the project in order to meet FDOT	's funding requireme	nts and in a	accordance with th	e City's FDC	OT LAP certifications. The			
project site is located at the intersections of Hillsboro Boulevard (S.R. 810) at Goolsby Boulevard and at Century Boulevard in Deerfield											
beach. The project included vehicular and pedestrian safety improvements at both signalized intersection, including vehicular	channelization islands, pedestrian refuge islands and ADA sidewalk improvements. Mr. Powers served as the project surveyor.										



STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)							
12.	NAME	13. ROLE IN THIS CONTRACT			4. YEARS EXPERIENCE			
Da	niel Checchia	Subsurface Utility Enginee Coordination Manager	ring and Utility	a. TOTAL 19	b. WITH CURRENT FIRM 4			
	FIRM NAME AND LOCATION (City and State)							
-	ith and Associates, Inc., Pompano Beach, Florida EDUCATION (DEGREE AND SPECIALIZATION)	17 CURREN		EGISTRATIO	N (STATE AND DISCIPLINE)			
AS	Applied Science in Construction Technology, S llege, 2008							
	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org	anizations, Training, Awards, etc.)						
FD	OT Maintenance of Traffic							
	(1) TITLE AND LOCATION (City and State)	19. RELEVANT PROJECTS		(2) YEAR CO				
	Ft. Lauderdale-Hollywood International Airpo Update for South Runway Expansion of 9R/2		PROFESSIONAL SE 2013	· · ·	CONSTRUCTION (If applicable) 2014			
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	PECIFIC ROLE		ject perform	ned with current firm			
a.	Mr. Checchia, as Senior Project Manager, was Quality Level A (Locating) Subsurface Utility E General Engineering contract of RS&H, all work General Guidance and Specifications for Aerona	tasked with providing the provid ngineering services as a subc and deliverables were perform	ling ASCE Standa onsultant on man	ard Quality y projects	Level B (Designating) and for the airport. Under the			
	(1) TITLE AND LOCATION (<i>City and State</i>) Ft. Lauderdale-Hollywood International Airport Phase Westside Development Utility Certification Project (<i>Fort Lauderdale, Florida</i>)			(2) YEAR CO	OMPLETED			
			PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2014			
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	PECIFIC ROLE	Check if p	roject perfor	med with current firm			
	Mr. Checchia, as Senior Project Manager, was Quality Level A (Locating) Subsurface Utility En directed multiple crews in order to identify exist mapped and incorporated into the plans.	nsultant on many	projects fo	r the airport. Mr. Checchia				
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED					
	Ft. Lauderdale-Hollywood International Airpo Expansion Lead Design Team (Fort Lauderdal	-	PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2014			
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S			, ,	med with current firm			
	Mr. Checchia, as SUE Project Manager, was tasked with providing the ASCE Standard Quality Level B (Designating) and Qual A (Locating) Subsurface Utility Engineering services as a sub-consultant on many projects for the airport. Mr. Checc responsible for designating and locating of existing utilities for the design of south runway. Multiple crews performed tasks as with the identification, verification and delineation of utilities.							
	(1) TITLE AND LOCATION (City and State) Miami International Airport Chiller Plant Build	ling Miami Elorida (<i>Miami</i>		(2) YEAR CO				
	Florida)	ing, mani, Honda (wiani,	PROFESSIONAL SE 2013		CONSTRUCTION (If applicable) On-going			
 (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Keith and Associates provided Quality Level "B" utility designation, Quality Level "A" utility locates and mapping services for Plant Building 3099 at MIA for ES Consultants. K&A designated the above horizontal alignment of any existing known to neable and non-toneable utilities using combination of geo physical prospecting equipment and Ground Penetrating information was then collected and used by the design team to identify the activities of existing subsurface facilities. K requested to perform utility verifications of the facilities by using non-destructive/non-intrusive vacuum excavation services we exposed and cataloged to help the design team resolved potential conflicts with proposed design improvements. 					ing services for this Chiller v existing known/unknown, d Penetrating Radar. This ce facilities. K&A was then ation services. The Utilities			
	(1) TITLE AND LOCATION (City and State)			(2) YEAR CO	OMPLETED			
	Palm Beach International Airport GPR for U Beach, FL (Palm Beach, Florida)	Itility Clearance, West Palm	PROFESSIONAL SE 2015		CONSTRUCTION (If applicable) N/A			
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S				med with current firm			
	Keith and Associates provided Quality Level "B K&A designated toneable and non-toneable und their scope. Mr. Checchia was responsible for pr	erground utilities to facilitate the	eir removal and all	ow for drill	ling by PSI for execution of			



STANDARD FORM 330

Exhibit 3 19 of 82

STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)								
12.	NAME	13. ROLE IN THIS CON	TRACT			14. YEARS EXPERIENCE			
Jo	nathan P. Weymouth, PE	Senior Construct	ion Engine	ering Manager	a. TOTAL	b. WITH CURRENT FIRM			
15	FIRM NAME AND LOCATION (City and State)				25	5			
	ith and Associates, Inc., Pompano Beach, Florida								
-	EDUCATION (DEGREE AND SPECIALIZATION)		17. CURREN	NT PROFESSIONAL R	EGISTRATI	ON (STATE AND DISCIPLINE)			
В.8	S. in Architectural Engineering, University of Miam	i, 1990	State of F	lorida Professiona	I Enginee	er #52802			
18.	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org	ganizations, Training, Awai	rds, etc.)						
		19. RELEVANT F	PROJECTS						
	(1) TITLE AND LOCATION (City and State)	· - ·			(2) YEAR	COMPLETED			
	10R/28L Runway Expansion Lead Design Tea Lauderdale/Hollywood International Airport (orida)	PROFESSIONAL SE 2013	RVICES	CONSTRUCTION (If applicable) 2016			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pr	oject perfo	rmed with current firm			
a.	A Resident Lead Design Representative (RLDR of the new 8,000 foot South Runway, parallel Ta during the construction and provide weekly conformance to the plans and specifications, fa assist in the development Supplement Informat determine general adequacy in documenting fiel	eld Taxiway to the O of the shop tractor. Al	vs. Duties and resp wner which addr drawings, Contrad so included was r	consibilitie ressed op ctor's Rec review of	es included field observation pinions of the construction quests for Information (RFI), Contractor as-built plans to				
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED			
b.	FLL Task II – Roadway Landscaping and Aesthetic Improvement Project at Fort Lauderdale-Hollywood International Airport (Fort Lauderdale, Florida)		PROFESSIONAL SE 2008	RVICES	CONSTRUCTION (If applicable) 2008				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if p	roject perfo	ormed with current firm			
Design and Construction Project Manager for Broward County's Design/ E construction cost of 5.5 million dollars. The project provides landscaping and a 595 to Griffin Road. The project provides tree canopy mitigation for all o landscaping and aesthetic improvements covered approximately 90 acres o Way which provide a unique gateway into the Airport.				esthetic improvement the Airport Expan	ents for th nsion Pro	e US-1 Right of Way from I- gram (AEP) projects. The			
	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED					
	FLL Taxiway C and Westside Infrastructure Project at Fort Lauderdale- Hollywood International Airport (Fort Lauderdale, Florida)			PROFESSIONAL SE 2008	RVICES	CONSTRUCTION (If applicable) 2008			
C.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if project performed with current firm					
	Key technical support engineer for the permitting, construction management and close-out for the new 4,500-foot Taxiwa connectors and Westside major utilities improvement project. The infrastructure improvements included the new FAA duct band alignment of Perimeter Road.								
	(1) TITLE AND LOCATION (City and State)				(2) YEAR	COMPLETED			
	FLL Task III – Exit Roadway Project at Fort La International Airport (Fort Lauderdale, Florida)		od	PROFESSIONAL SE 2008	RVICES	CONSTRUCTION (If applicable) 2008			
لہ	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S					rmed with current firm			
а. 	^{d.} Design Project Manager FLL for Broward County's Design-Build Contract, an 8 year project with an estim million dollars. The Exit Roadways project involves the design and construction of the third phase of the up system. This project will connect the eastern end of the upper and lower level roadways in front of Termina the Task 2 roadways leaving the airport completed in 2003. The project is temporarily on hold while the needs and the impact to this roadway system.					per and lower level roadway al 4 and direct traffic east to			
	(1) TITLE AND LOCATION (City and State)				COMPLETED				
	Fort Lauderdale-Hollywood International Air Apron Project (Fort Lauderdale, Florida)	I Airport (FLL) Concourse A and		PROFESSIONAL SE	RVICES	CONSTRUCTION (If applicable) 2008			
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S					rmed with current firm			
	Design Project Manager for Broward County's taxiways project. This project originally included Terminal 1 and associated utilities. Contract was	d a 5 gate concours	e totaling 1	21,000 square fee	et with a	705 linear foot connector to			



STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)								
12.	NAME	13. ROLE IN THIS CONTR			1	4. YEARS EXPERIENCE			
	orris J. Smith Jr.	Senior Constructio		tor	a. TOTAL 20	b. WITH CURRENT FIRM 13			
15.	FIRM NAME AND LOCATION (City and State)	•							
	ith and Associates, Inc., Pompano Beach, Florida								
16.	EDUCATION (DEGREE AND SPECIALIZATION)		17. CURREN	IT PROFESSIONAL REC	GISTRATIO	N (STATE AND DISCIPLINE)			
	, Business Administration, Florida Memorial Colleg								
As Le	18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Asphalt Paving Technician Level 1 & 2 (FDOT), Earthwork Construction Inspection, Level 1 (FDOT), Concrete Field Technician, Level 1 (FDOT), ACI Concrete Field Testing Technician, Grade I, Troxler Nuclear Gauge, Final Estimates Level 1 (FDOT), FDOT Workzone Traffic Control Intermediate Level MOT								
		19. RELEVANT PR	OJECTS						
	(1) TITLE AND LOCATION (City and State)	_		((2) YEAR C	OMPLETED			
	Fort Lauderdale/Hollywood International Air (AEP3) Taxiway C and Westside Infrastructur			PROFESSIONAL SER 2008	VICES	CONSTRUCTION (If applicable) 2008			
а.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if proj	ect perfor	med with current firm			
	This project is a new taxiway construction 5,00 drainage and utilities (water and sewer) relo observations, determination of quantities, compli	provided	all CEI services	checking	g material and installation				
	(1) TITLE AND LOCATION (City and State)			((2) YEAR C	OMPLETED			
	Taxiway C West Reconstruction Project at Fort Lauderdale/Hollywood International Airport (Fort Lauderdale, Florida)		PROFESSIONAL SER 2012	VICES	CONSTRUCTION (If applicable) 2013				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if pro	ject perfo	rmed with current firm			
	This project is a taxiway reconstruction approximately 2,600 feet long, from Taxiway Delta to the west end of 9-Left, which includes asphalt, earthwork, lighting, signage pavement markings, and drainage. Mr. Smith provided all CEI services checking material and installation observations, determination of quantities, compliance with specifications & coordination with contractor personnel								
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED						
	North Runway (9L/27R) Airfield Modification A Lauderdale/Hollywood International Airport (A			PROFESSIONAL SER 2011	VICES	CONSTRUCTION (If applicable) 2011			
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if project performed with current firm					
	This project included a number of critical construction projects and installation of several safety enhancement features including Constructing high speed runway exits which will enhance the safety and capacity of the Airport; Installing Runway Status Lights to advise pilots of potential runway conflicts; Widening of taxiways at the east end of the runway; and Relocating Navigational Aids. The work was accelerated by the Broward County Aviation Department and the construction was completed in 13 days early					cement features including: g Runway Status Lights to ting Navigational Aids. The			
	(1) TITLE AND LOCATION (City and State)			((2) YEAR C	OMPLETED			
	Taxiway C and C2 Interconnector at Fort Lau			PROFESSIONAL SER	VICES	CONSTRUCTION (If applicable)			
d.	International Airport (Fort Lauderdale, Florida)			2011		2012			
u.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if proj	ect perfor	med with current firm			
	This project included construction work related s Enhancements.	services for extending	Taxiway (C and C2 East End	– Phase	II and Repackaged Airfield			
	(1) TITLE AND LOCATION (City and State)		((2) YEAR C	OMPLETED				
	Runway 13/31 Rehabilitation Project at For International Airport (Fort Lauderdale, Florida)		llywood	PROFESSIONAL SER 2012	VICES	CONSTRUCTION (If applicable) 2012			
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE		Check if proj	ect perfor	med with current firm			
	This project included full depth reconstruction or resurfacing at the North approach end of Runw checking material with specifications & coordinate	of touchdown intersect ay 13/31 at Taxiway "(C" and Ta	axiway "A" and Taxi	iway "C"	and consists of milling and			



Example E		E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT (Complete one Section E for each key person.)								
MICHAEL STRICKLER IN AVIATION ENGINEER 10 11 Ist RRM NAME AND LOGATION (Dip and Saws) RS5.H, Inc. Fort Lauderdale, Florida In Classest Preprint String And Doctors (Dip and Saws) RESCH, Inc. Fort Lauderdale, Florida In Classest Preprint String And Doctors (Dip and Saws) In Classest Preprint String And Doctors (Dip and Saws) Bachelor of Science in Civil Engineering, University of Florida Registered Professional Engineer, Florida (No. 72400), 2011 International Sams And Andro Engineer for RSA/HS Advation Practice Whose responsibilities consist of project Sayed Sares Occupational Sarety and Health University of Engineering Services on a variety of projects which encompass all aspects of engineering datage, geometry and pavement discing, as well performing construction inspection and management for all project sapeds. He has 11 years of experience providing project engineering services on a variety of projects which encompass all aspects of engineering datage, geometry and pavement delethical systems and the same projects Michael encompass all aspects of engineering datage, geometry and pavement delethical systems and the same projects Michael encompass all aspects of engineering datage, geometry and pavement delethical systems and the same and th	12. N	IAME	13. ROLE IN THIS PROJEC	T		14. Y	EARS EXPERIENCE			
Line Line Line 15 FIRMINAL AND LOCATION (Cloy and Start) Register of Line Register of Processional Engineer: Florida (Mo. 72.400), 2011 Bachelor of Science in Civil Engineering, University of Florida Register of Processional Engineer: Florida (Mo. 72.400), 2011 Certified CSRA Construction Science and Viet Construction Construction Administration. 16 Onternation Construction Science and Viet Construction Construction Administration. 19. RELEVANT PROJECTS 2016 Ongoing 17 CLow Construction Science and Viet Construction Construction Administration. 19. RELEVANT PROJECTS 2016 Ongoing 18 RELEVANT PROJECTS 2016 Ongoing 2016 Ongoing 19 Rest Evand Network Network Network Network						a. TOTAL	b. WITH CURRENT FIRM			
RSG-H, Inc. Fort Lauderdale, Florida If: CRRENT PROFESSIONAL REGISTIVATION (STATE AND DSCIPLAR) Bachelor of Science in Civil Engineering, University of Florida Perstered Professional Engineer: Florida (No. 72400), 2011 Bachelor of Science in Civil Engineering, University of Florida Ceruptational Safety and Health United States Circupational Safety Circupatis Circupational Safety Safety Safety And Health Circ	M	ICHAEL STRICKLER PE	AVIATION EN	GINEER		10	11			
Fort Lauderdale, Florida Tr. CURRENT PROFESSIONAL REGISTRATION GENEE AND SPECIAL ZMIDD Bachelor of Science in Civil Engineering, University of Florida Registered Professional Engineer: Florida (No. 72400), 2011 Current and Sector of Science in Civil Engineering, University of Florida Registered Professional Engineer: Florida (No. 72400), 2011 Bachelor of Science in Civil Engineering, University of Florida Current and Sector of Civil Engineers 14. Other Processional, Qualitational Engineer for RSS/HS Avaiation Engineer for RSS/HS Avaiation groyter engineering services on a variety of project design and development including all aspects of grading, drainage, geometry and parement design, as well performing construction inspection and management for all project design. CROSSFIELD TAXIWAYS AND HOLDPAD 19. RELEVANT FROUENTS 2016 001000 (URTIMO AND SIGNAGE 2016 Project Engineer: Project consisted of the installation of the pavements and electrical systems for the construction of Runway IOR-28L. Duties consisted of the installation of the pavements and electrical systems for the construction of Runway IOR-28L. Duties consisted of project Registered entracts. 10.0000 Exemption of the Signage metal Information of the construction of the exements. 2016 Ongoing 10.0000 Exemption of Supplemental Information of the construction. 20160 Ongoing 10.0000 Exemption of Supplemental Information of the construction of the exements. 20104 20140 <	15. F	IRM NAME AND LOCATION (City and State)								
Bachelor of Science in Civil Engineering, University of Florida Registered Professional Engineer: Florida (No. 72400), 2011 Certified, CSHA Construction Safety and Health, University of Florida In Other PROFESSIONAL DUAL PRO										
Bachelor of Science in Civil Engineering, University of Florida Certified, OSHA Construction Safety and Health, United States Occupational Safety and Health Administration. 2006 Member, American Society of Civil Engineers No. STRICK PROFESSIONAL QUALIFICATIONS (Padeatation, Padeatation, Padeatation, 2006, Member, American Society of Civil Engineers) Member, American Society of Civil Engineers No. Stricker serves as an Avaitoin Engineer for PSK-FIS Avaitation Practice whose responsibilities consist of project design and development Including all aspects of engineering design and construction administration. Intel Review Construction inspection and management for all project aspects, He has 11 years of experience providing project engineering services on a variety of project which encompass all acpects of engineering design and construction administration. Imagement for all project construction SPSFIELD TAXIWAYS AND HOLDPAD Imagement Specified S	16. E	DUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFES	SSIONAL REG	ISTRATION (STATE ANI	D DISCIPLINE)			
Mr. Strickler serves as an Aviation Engineer for RS&H's Aviation Practice whose responsibilities consist of project design and development including all aspects of grading, drainage, geometry and pavement design, as well performing construction inspection and management for all project aspects. He has 11 years of experience providing project engineering services on a variety of project which encompass all aspects of engineering design and construction administration. INTERMOLOGENDALOW Service and the sale 11 years of experience providing project engineering services on a variety of project swhich encompass all aspects of engineering design and construction administration. INTERMOLOGENDALOW Services OVERNOV (over Service) RUNWAY 10R-28L EXPANSION, CROSSFIELD TAXIWAYS AND HOLDPAD Project Consisted of the installation of the pavements and electrical systems for the construction of Runway 10R-28L Duties consisted of processing and reviewing contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. INTERMOLOGINAL OVER SERVICE	Bad	Bachelor of Science in Civil Engineering, University of Florida Certified, OSHA Construction Safety and Health, United States Occupational Safety and Health Administration, 2006								
development including all aspects of grading, drainage, geometry and pavement design, as well performing construction inspection and management for all project aspects. He has 11 years of experience providing project engineering services on a variety of projects which encompass all aspects of engineering design and construction administration. Internet to all project aspects. He has 11 years of experience providing project engineering services on a variety of projects which encompass all aspects of engineering design and construction administration. Internet to all project aspects. He has 11 years of experience providing project engineering design and evolve and the pavements and electrical systems for the construction of Runway IOR-28L Duties consisted of the installation of the pavements and electrical systems for the construction of Runway IOR-28L Duties consisted of processing and reviewing contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. Intrake location (dwinews are call with an experiment and electrical systems for the construction of Runway IOR-28L CWEST AND SOUTH APRON RECONSTRUCTION Fort Louderdale, Florida Intrake and the aspect of the installation of acceptance to experime the the structural pavement of the westered of the Taxiway C, which was due to pavement failures. Duties consisted of the structural pavement of the wester of the Taxiway C, which was due to pavement failures. Duties consisted of the aspect setting review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. Intrake location (dwinews are construction of the construction of the construction of all construction acli aconstruction activities, acceptance testing coordina	18. C	THER PROFESSIONAL QUALIFICATIONS (Publications, O	rganizations, Training, Awards,	etc.)						
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In TITLE AND LOCATION (City and Statu) (1) YEAR COLMENTED PALVING, LIGETTING AND SIGNAGE (1) YEAR COLMENTED PALVING, LIGETTING AND SIGNAGE (1) YEAR COLMENTED PALVING, LIGETTING AND SIGNAGE (2) YEAR COLMENTED PALVING, LIGETTING AND SIGNAGE (2) YEAR COLMENTED Project Engineer, Project consisted of the installation of the pavements and electrical systems for the construction of Runway 10R-28L. Duties consisted of processing and reviewing contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. TAXIMAP CWEST AND SOUTH APRON RECONSTRUCTION (2) YEAR COMMETED TAXIMAP CWEST AND SOUTH APRON RECONSTRUCTION (2) YEAR COMMETED TAXIMAP CWEST AND SOUTH APRON RECONSTRUCTION (2) YEAR COMMETED TAXIMAP CWEST AND SOUTH APRON RECONSTRUCTION (2) YEAR COMMETED West end of the Taxiway C, which was due to pavement failures. Duties consisted of managing inspection of all construction activities, review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. OTITLE AND LOCATION (City and State) (2) YEAR COMMETED AIRFELE DMODIFICATIONS, TAXIWAY C, EAST END, PHASE TWO AND HIGH-Speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. <			19. RELEV	ANT PROJECTS	-					
DNNMATION 2012 CATAMON CASE 2016 Orgoing PAYING, LIGHTING AND SIGNACE 2016 Ongoing Point Lauderdale, Florida 2016 Ongoing Image: Comparison of the construction of Runway 100-25. 2016 Ongoing Image: Comparison of Supplemental Information for the contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) Image: Comparison of Supplemental Information for the contractor. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) Image: Comparison of Supplemental Information for the contractor. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) Image: Comparison of Supplemental Information for the contractor. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) Image: Comparison of Supplemental Information for the contractor. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) Image: Comparison of Location of And Comparison of All Construction of And the staff from the various Airport entities. (mittleAND LOCATION (or weld set)) (mittleAND LOCATION (or weld set)) (mittleA		(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
B PAVING_LIGHTING AND SIGNAGE 2016 Ongoing B Fort Lauderdale, Florida B Other Equipment of Super Decomposed with current from Project Engineer. Project consisted of the installation of the pavements and electrical systems for the construction of Runway 10R-28L. Duties consisted of processing and reviewing contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Image: Control (div well Saw) Control (div well Saw) Image: Control (div well Saw) Image: Control		RUNWAY 10R-28L EXPANSION. CROS	SFIELD TAXIWAYS	AND HOLDPAD	PROFESSION	AL SERVICES	CONSTRUCTION (if applicable)			
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10R-28L. Duties consisted of processing and reviewing contractor submittals, site visits to review quality acceptance, and development of Supplemental Information for the contractor. (1) TITLE AND LOCANION (Clay and State) (2) VEAR COMPLETED TAXIWAY C WEST AND SOUTH APRON RECONSTRUCTION PROFESSIONAL SERVICES CONSTRUCTOR (# applicable) (1) TITLE AND LOCANION (Clay and State) (2) VEAR COMPLETED CONSTRUCTOR (# applicable) (1) BREE DESCRIPTION (BW and second, etc) AND SPECIFIC ROLE ID Check if project performed with current film b. Project Engineer/Lead Resident Project Representative. Project consisted of the reconstruction of the structural pavement of the west end of the Taxiway C, which was due to pavement failures. Duties consisted of managing inspection of all construction activities, review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. (1) TITLE AND LOCATION (CM and State) (2) YEAR COMPLETED AIRFIELD MODIFICATIONS, TAXIWAY C, EAST END, PHASE TWO AND PROFESSIONAL SERVICES CONSTRUCTION (# applicable) IGH REF DESCRIPTION (CM and State) (2) TEAR COMPLETED CONSTRUCTION (# applicable) 2010 IGH REF DESCRIPTION (CM and State) Project Consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (CM and St	a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
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Intervent of Version AND SOCIES AND SPECIFIC ROLE 2013 2014 10)RREF DESCRIPTION (Birler score, store, etcl.) AND SPECIFIC ROLE IS Check if project performed with current time 10. Project Engineer/Lead Resident Project Representative, Project consisted of the reconstruction of the structural pavement failures. Duties consisted of the raxing coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. (1) TITLE AND LOCATION (Cly and State) (2) YEAR COMPLETED AIRFIELD MODIFICATIONS, TAXIWAYS CAST TAXIWAYS Fort Lauderdale, Florida 2013 2010 (2) BREF DESCRIPTION (Birler score, store, cost, etcl.) AND SPECIFIC ROLE IS Check if project parformed with current time Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. (1) TITLE AND		(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
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 Project Engineer/Lead Resident Project Representative. Project consisted of the reconstruction of the structural pavement of the west end of the Taxiway C, which was due to pavement failures. Duties consisted of managing inspection of all construction activities, review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. (1) TITLE AND LOCATION (<i>Clay and State</i>) (2) YEAR COMPLETED (1) TITLE AND LOCATION (<i>Clay and State</i>) (2) YEAR COMPLETED (2) TAXIWAYS (3) BRIEF DESCRIPTION (<i>Bind scope, state, coat, etc.</i>) AND SPECIFIC ROLE (3) Check if project performed with current fim Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of the east extension of Taxiway C. Duties included the inspection of all construction activities, acceptance testing coordination, preparation of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (<i>Clay and State</i>) (2) YEAR COMPLETED (2) Check if project performed with current fim Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (<i>Clay and State</i>) (2) YEAR COMPLETED (2) YEAR COMPLETED (1) TITLE AND LOCATION (<i>Clay and State</i>) (2) YEAR COMPLETED (2) YEAR COMPLETED (3) BRIEF DESCRIPTION (<i>Bind scope, size, cost, etc.</i>) AND SPECIFIC ROLE (4) Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway int		Fort Lauderdale, Florida				2013	2014			
Project Engineer/Lead Resident Project Representative. Project consisted of the reconstruction of the structural pavement of the west end of the Taxiway C, which was due to pavement failures. Duties consisted of managing inspection of all construction activities, review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff from the various Airport entities. (1) TITLE AND LOCATION (<i>Dip and State</i>) (2) YEAR COMPLETED AIRFIELD MODIFICATIONS, TAXIWAY C, EAST END, PHASE TWO AND PROFESSIONAL SERVICES (3) BRIEF DESCRIPTION (<i>Bird scope, size, cost, etc.</i>) AND SPECIFIC ROLE Did Check if project performed with current firm Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (<i>Div and State</i>) (2) YEAR COMPLETED Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (<i>Div and State</i>) (2) YEAR COMPLETED RUNWAY 17-35 RECONSTRUCTION PROFESSIONAL SERVICES CONSTRUCTION (<i># applicable</i>) (3) BRIEF DESCRIPTION (<i>Bird scope. size, cost, etc.</i>) AND SPECIFIC ROLE Elicheck if project performed with current film 2006 2006 (4) Engineerin		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
AIRFIELD MODIFICATIONS, TAXIWAY C, EAST END, PHASE TWO AND HIGH-SPEED EXIT TAXIWAYS Fort Lauderdale, Florida PROFESSIONAL SERVICES CONSTRUCTION (if applicable) a. (1) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Si Check if project performed with current firm Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of the east extension of Taxiway C. Duties included the inspection of all construction activities, acceptance testing coordination, preparation of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED RUNWAY 17-35 RECONSTRUCTION PROFESSIONAL SERVICES PROFESSIONAL SERVICES CONSTRUCTION (if applicable) (2) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sicheck if project performed with current firm d. Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.	D.	west end of the Taxiway C, which was due to pavement failures. Duties consisted of managing inspection of all construction activities, review of contractor submittals, coordination of acceptance testing, and providing coordination between the contractor and the staff								
AIRT HELD MODULITEATIONS, TAXIWATE, LAST END, FITASE TWO AND HIGH-SPEED EXIT TAXIWAYS Fort Lauderdale, Florida 2013 2010 c. (i) BRIEF DESCRIPTION (Birl scope, size, cost, etc.) AND SPECIFIC ROLE Image: Check if project performed with current firm Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of the east extension of Taxiway C. Duties included the inspection of all construction activities, acceptance testing coordination, preparation of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (<i>City and State</i>) (2) YEAR COMPLETED RUNWAY 17-35 RECONSTRUCTION Pensacola, Florida (2) YEAR COMPLETED (d. Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
Fort Lauderdale, Florida 2013 2010 (a) BRIEF DESCRIPTION (Birle scope, size, cost, etc.) AND SPECIFIC ROLE Image: Check if project performed with current firm Lead Resident Project Representative. Project consisted of the construction of two, high-speed exit taxiways, widening of three current taxiways and the construction of the east extension of Taxiway C. Duties included the inspection of all construction activities, acceptance testing coordination, preparation of contractor payment applications, and contractor submittal review. (1) TITLE AND LOCATION (City and State) (2) YEAR COMPLETED RUNWAY 17-35 RECONSTRUCTION PROFESSIONAL SERVICES CONSTRUCTION (Birle scope, size, cost, etc.) AND SPECIFIC ROLE Image: Construction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paying, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.			C, EAST END, PHAS	E TWO AND	PROFESSION	AL SERVICES	CONSTRUCTION (if applicable)			
d. Image: Construction of the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east extension of an existing 7,000-foot concrete air carrier runway including the east externed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		Fort Lauderdale, Florida								
RUNWAY 17-35 RECONSTRUCTION PROFESSIONAL SERVICES CONSTRUCTION (if applicable) 2006 2006 (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Image: Construction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.	C.	Lead Resident Project Representative. Pr current taxiways and the construction of	oject consisted of the the east extension of	Taxiway C. Duties	wo, high-s included t	peed exit taxiway he inspection of a	s, widening of three all construction activities,			
d. 2006 2006 d. Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		(1) TITLE AND LOCATION (City and State)	(1) TITLE AND LOCATION (City and State)			(2) YEAR (COMPLETED			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Image: Check if project performed with current firm d. Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		RUNWAY 17-35 RECONSTRUCTION			PROFESSION	AL SERVICES	CONSTRUCTION (if applicable)			
d. Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		Pensacola, Florida								
Engineering Inspector. Project consisted of the reconstruction of an existing 7,000-foot concrete air carrier runway including the active 17-35/8-26 Runway intersection and three associated concrete taxiways. Construction inspection duties were performed for concrete placement, asphalt paving, drainage pipe and structure placement, grading, airfield lighting installation and grassing operations, as well as coordination with the contractor for night work.		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	Check if proje	ct performed with current firm						
	d.	active 17-35/8-26 Runway intersection for concrete placement, asphalt paving,	and three associate drainage pipe and st	d concrete taxiwa ructure placemer	ays. Const	ruction inspectio	n duties were performed			
							2M 330 (REV 3/2013) DAGE 6			



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_	E. RESUM	IES OF KEY PERSONN (Complete one Secti	EL PROPOSED FOR on E for each key pers		RACT	
12. N	AME	13. ROLE IN THIS PROJEC	T		14.	YEARS EXPERIENCE
				a	TOTAL	b. WITH CURRENT FIRM
CI	RAIGTWIBELL pe, ace	SENIOR AVIA	TION ENGINE	ER	3	17
15. F	IRM NAME AND LOCATION (City and State)					
	&H, Inc. ksonville, Florida					
16. E	DUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESS	SIONAL REGIS	RATION (STATE A	ND DISCIPLINE)
Bachelor of Science in Electrical Engineering, Olivet Nazarene (No. 0620662 (No. 23330), 20 (No. 6201060) Carolina (No. 0 (No. 90160PE (No. 114144),				E0048489 039883), 2 5), 2014; Ir (6; Louisian 58)), 2013; 1012), 201 2015; Pen 013; Utah), 2014; Flori 2015; Idaho (I diana (No. PE na (No. PE.OC Minnesota (I L4; Ohio (No. nsylvania (No (No. 887438)	rrnia (No. E20719), 201- da (No. 76413), 2013; No.16228), 2014; Illinois E10708225), 2007; Iowa M0072), 2015; Michigan No. 51368), 2013; North 76386), 2012; Oregon . PE081557), 2013; Tex 5-2202), 2013; Virginia (No. 52338), 2015
18 C	THER PROFESSIONAL QUALIFICATIONS (Publications, O	manizations Training Awards	1	, 201	Trabining torry	(10102000), 2020
Def des	amiliar with Federal Aviation Administrat ense) technical specifications, publicatio ign, bid documents, and construction do erience with AGI32, AutoCAD, MicroSta	ns and criteria, and cumentation and ac tion, Primavera, Visu	has completed pro Iministration for ai	oduct resea rport facili	arch, enginee ties. Mr. Twib	ring studies, conceptual
	(1) TITLE AND LOCATION (City and State)	19. RELEV	ANT PROJECTS		(2) YEAF	R COMPLETED
	TAXIWAY B EXTENSION			PROFESSIONAL	SERVICES	CONSTRUCTION (if applicable)
	Boise, Idaho			-	°014	2015
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC					2015
	Senior Project Engineer. Project consists of extending Taxiway B 3,500 feet to connect to a new maintenance hangar under construction. Responsible for the design of new airfield lighting and signage for the taxiway extension. Responsible for updates to the Airfield Lighting Control and Monitoring System and vault modifications for a new regulator to power and control the extension.					
	construction. Responsible for the design updates to the Airfield Lighting Contro	sts of extending Tax gn of new airfield lig	iway B 3,500 feet hting and signage	∑ _{Check} if project to connec for the tax	performed with current f t to a new ma iway extensio	im intenance hangar under on. Responsible for
	construction. Responsible for the design updates to the Airfield Lighting Contro	sts of extending Tax gn of new airfield lig	iway B 3,500 feet hting and signage	∑ _{Check} if project to connec for the tax	performed with current f t to a new ma iway extensic for a new reg	im intenance hangar under on. Responsible for
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (City and State) NEW TERMINAL AIRCRAFT PARKING APP	sts of extending Tax gn of new airfield lig I and Monitoring Sys	iway B 3,500 feet hting and signage stem and vault mod	∑ _{Check} if project to connec for the tax	performed with current f t to a new ma iway extensic for a new reg (2) YEAF	intenance hangar under on. Responsible for gulator to power and
).	construction. Responsible for the design updates to the Airfield Lighting Contro control the extension. (1) TITLE AND LOCATION (City and State) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE Jacksonville, North Carolina	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A	iway B 3,500 feet hting and signage stem and vault mod	Check if project to connec for the tax difications	performed with current f t to a new ma iway extensic for a new reg (2) YEAF	intenance hangar under on. Responsible for gulator to power and
h.	construction. Responsible for the design updates to the Airfield Lighting Contro control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE Jacksonville, North Carolina (3) BRIEF DESCRIPTION (<i>Bief scope, size, cost, etc.</i>) AND SPECIFIC	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project	(2) YEAF (2) YEAF	Immine Internance hangar under on. Responsible for gulator to power and R COMPLETED CONSTRUCTION (If applicable) 2016
).	construction. Responsible for the design updates to the Airfield Lighting Contro control the extension. (1) TITLE AND LOCATION (City and State) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE Jacksonville, North Carolina	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project	(2) YEAF (2) YEAF	Immine Internance hangar under on. Responsible for gulator to power and R COMPLETED CONSTRUCTION (If applicable) 2016
ı.	construction. Responsible for the design updates to the Airfield Lighting Contro control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Bief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project Check	(2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF (2) YEAF	intenance hangar under ph. Responsible for gulator to power and COMPLETED CONSTRUCTION (<i>if applicable</i>) 2016 im ately 1,500 feet of
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMO	sts of extending Tax gn of new airfield lig l and Monitoring Sys RON AND LANDSIDE A ROLE	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project to connect for the tax difications PROFESSIONAL Z Check if project nd signage PROFESSIONAL	(2) YEAF (2) YEAF	immine intenance hangar under on. Responsible for gulator to power and completed construction (if applicable) 2016 immine ately 1,500 feet of construction (if applicable)
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Birl scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMO <i>Sioux City, Iowa</i>	ats of extending Tax gn of new airfield lig l and Monitoring Sys RON AND LANDSIDE A ROLE The design of new DVE ABANDONED T	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project to connect for the tax difications PROFESSIONAL Check if project nd signage PROFESSIONAL 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(2) YEAF (2) YEAF	imminm intenance hangar under pon. Responsible for gulator to power and a completed CONSTRUCTION (if applicable) 2016 imminminminminminminminminminminminminmi
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMO	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A ROLE FOR the design of new DVE ABANDONED T ROLE of removing existing	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project Check if pr	(2) YEAF (2)	Time Time Time Time Time Time Time Time
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMO <i>Sioux City, Iowa</i> (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Project consists	sts of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A ROLE FOR the design of new DVE ABANDONED T ROLE of removing existing	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project Check if pr	(2) YEAF (2)	Time Time Time Time Time Time Time Time
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Bitel scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMC <i>Sioux City, Iowa</i> (3) BRIEF DESCRIPTION (<i>Bitel scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Project consists of new airfield lighting and signage for the (1) TITLE AND LOCATION (<i>City and State</i>) TAXIWAY E, G, AND H RECONSTRUCT	ats of extending Tax gn of new airfield lig l and Monitoring Sys RON AND LANDSIDE A ROLE DVE ABANDONED T ROLE of removing existing e new taxiway.	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project Check if pr	(2) YEAF (2) YEAF	A completed Construction (if applicable) Construction (if applicable)
	construction. Responsible for the design updates to the Airfield Lighting Contro- control the extension. (1) TITLE AND LOCATION (<i>City and State</i>) NEW TERMINAL AIRCRAFT PARKING APP ROADWAYS (PHASE ONE) ALBE <i>Jacksonville, North Carolina</i> (3) BRIEF DESCRIPTION (<i>Bief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Responsible for taxiway and apron. (1) TITLE AND LOCATION (<i>City and State</i>) REHABILITATE TAXIWAY F AND REMO <i>Sioux City, Iowa</i> (3) BRIEF DESCRIPTION (<i>Bief scope, size, cost, etc.</i>) AND SPECIFIC Senior Project Engineer. Project consists of new airfield lighting and signage for the (1) TITLE AND LOCATION (<i>City and State</i>)	ats of extending Tax gn of new airfield lig I and Monitoring Sys RON AND LANDSIDE A ROLE The design of new DVE ABANDONED T ROLE of removing existing e new taxiway.	iway B 3,500 feet hting and signage stem and vault mod ACCESS	Check if project Check if project Connect for the tax difications PROFESSIONAL	(2) YEAF (2) YEAF	A COMPLETED CONSTRUCTION (If applicable) CONS

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CAM #17-0229 Exhibit 3

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT (Complete one Section E for each key person.)							
12. N	AME	13. ROLE IN THIS PROJEC	Т		14. YE	EARS EXPERIENCE		
					a. TOTAL	b. WITH CURRENT FIRM		
BF	RADWENTE PE	SENIOR AVIA	TION ENGINE	EER	17	22		
15. FI	IRM NAME AND LOCATION (City and State)							
	&H, Inc. ksonville, Florida							
16. E	DUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFES	SSIONAL REG	SISTRATION (STATE AND	D DISCIPLINE)		
	ster of Science in Civil Engineering, Univ helor of Science in Civil Engineering, Un	Florida (No. 718 (No. 062-05283 Ohio (No. 6728	337), 201 37), 1999 0), 2002;	.0; Georgia (No. F); Michigan (No. 6 Pennsylvania (N	na (No. 33066-E), 2012; PE035385), 2010; Illinois 5201047123), 2000; o. PE081395), 2013; No. 045691), 2009			
18. O	THER PROFESSIONAL QUALIFICATIONS (Publications, Or	rganizations, Training, Awards,	etc.)					
prin eng serv	Mr. Wente has 22 years of aviation consulting experience focused entirely on airport planning, design, and construction. His primary responsibilities include technical oversight and management for aviation design and construction engineering projects. His engineering experience includes many runway, taxiway and apron rehabilitations, extensions and new construction at commercial service airports, runway and taxiway lighting, navigation aids, airfield lighting control systems, and terminal building modifications. He is an expert pavement engineer and has experience with new construction, rehabilitation, and recycling techniques.							
		19. RELEV	ANT PROJECTS					
	(1) TITLE AND LOCATION (City and State)				(2) YEAR C	COMPLETED		
	RECONSTRUCT TAXIWAY C WEST,			PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)		
	Fort Lauderdale, Florida				2011	2013		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	1		
a. Pavement Design/Quality Control. Provided Quality Control review of engineering documents for the reconstruction of approximately 3,800 linear feet of Taxiway C West and associated South Apron. Project determination of 20 year pavement design, stabilization measures for in-situ subgrade, pavement demolition and recycling, marking, grading, construction phasing for minimal operational impacts, included Engineer's Report with construction cost and scheduling. Delivered in two separate construction packages for client funding purposes.						n of 20 year pavement ng, construction phasing		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR C	COMPLETED		
	RUNWAY 9L-27R AIRFIELD GEOMETR EXIT TAXIWAYS AND TAXIWAY WIDEN Fort Lauderdale, Florida			PROFESSION	2007	CONSTRUCTION (if applicable)		
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if project performed with current firm				
	Design Task Manager/Project Director. The project included the study, modeling, design, and construction of three high speed exit taxiways and widening of Taxiway A and B to support Group V aircraft from Runway 9L-27R. Duties included grading and drainage layout and plan development.							
	(1) TITLE AND LOCATION (City and State)				(2) YEAR C	COMPLETED		
	NEW SOUTH RUNWAY 9R-27L EXPAN	ISION PROGRAM		PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)		
	Fort Lauderdale, Florida				2010	2015		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC				ect performed with current firm			
C.	Project Director and Quality Assurance. F taxiways and holding pads. The runway a Responsible for design team developing p layout, drainage design and South Florida program cost is \$800 million.	nd parallel taxiway ind pavement life cycle an	lude bridge struct alysis, pavement a	ures over Iternatives	US-1 and the Flor s analysis, vertical	rida East Coast Railway. profile, navigational aids		
	(1) TITLE AND LOCATION (City and State)				(2) YEAR C	COMPLETED		
	CONCOURSE B APRON DESIGN			PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)		
	Jacksonville, Florida	2015			2010	2014		
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC		Tannainal Arris		ect performed with current firm			
u.	Project Engineer. Project includes conc replacement of the Concourse B Termin taxilane and taxiway geometry, and deve Addressed Line-of-Sight issues with exis Design included proposed and ultimate	nal at JIA. Developed eloped cost alternati sting Air Traffic Cont	d alternatives and ves for both long- rol Tower facilitie	final desig term and s and Airc	gn documents sh short-term deve rraft Surveillance	owing apron layouts, lopment needs. Radar (ASR) impacts.		



STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT (Complete one Section E for each key person.)								
12. N	AME	13. ROLE IN THIS PROJEC	Т		14. Y	EARS EXPERIENCE			
					a. TOTAL	b. WITH CURRE	INT FIRM		
J	DSEPH BARBERA PE	CIVIL ENGINE	ER		7		7		
15. F	IRM NAME AND LOCATION (City and State)								
	RS&H, Inc. Fort Lauderdale, Florida								
16. E	DUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFES	SSIONAL REG	ISTRATION (STATE AN	D DISCIPLINE)			
Uni	Master of Science in Civil Engineering, Western Michigan University; Bachelor of Science in Civil Engineering, Western Michigan UniversityRegistered Professional Engineer: Florida (No. 76128); Certified, OSHA Construction Safety and Health, United States Occupational Safety and Health Administration, 2009								
18. C	THER PROFESSIONAL QUALIFICATIONS (Publications, O	rganizations, Training, Awards,	etc.)						
of v gra Pra	Mr. Barbera serves as a Civil Engineer for RS&H's Aviation Practice and is responsible for civil engineering assignments consisting of various tasks in design, plan and specification development, and construction administration with projects involving drainage, grading, airfield geometry, navigational aids, airfield lighting, marking, pavement design, and cost estimation for RS&H's Aviation Practice. He has seven years of experience providing project engineering and resident project representation on a variety of projects. His experience includes aspects of engineering planning, design, construction administration, and project inspection.								
		19. RELEV	ANT PROJECTS						
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
	RECONSTRUCT TAXIWAY C WEST			PROFESSION	AL SERVICES	CONSTRUCTION (if ap	plicable)		
	Fort Lauderdale, Florida				2011	201	.3		
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firr	n			
	Construction Administrative Services a project representation and inspection of construction.				ninistrative supp				
				PROFESSION		CONSTRUCTION (if ap	plicable)		
	NEW SOUTH RUNWAY-10R-28L Fort Lauderdale, Florida				2010	201			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firr	n			
b.	Project Engineering and Construction Administrative Services. Project responsibilities included pavement design and jointing layout and the coordination and review of shop drawings between contractors and designers. The project consists of the design and construction of a new 8,000-foot runway along with three high-speed exit taxiways, a full length parallel taxiway, and multiple connecting taxiways and apron pavements.								
	(1) TITLE AND LOCATION (City and State)				. ,	COMPLETED			
	RUNWAY 9L-27R AIRFIELD GEOMETF	· · · · · · · · · · · · · · · · · · ·		PROFESSION	2007	CONSTRUCTION (if ap			
	Fort Lauderdale, Florida								
C.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firr	n			
	Resident Project Representative. Project responsibilities included on-site resident project representation and inspection during construction, as well as construction administrative support throughout construction. The project included the study, modeling, design, and construction of three high speed exit taxiways and two dual widening taxiway connectors off of the main runway 9L-27R.						eling,		
	(1) TITLE AND LOCATION (City and State)					COMPLETED			
	AIRFIELD MODIFICATIONS, TAXIWAY HIGH-SPEED EXIT TAXIWAYS Fort Lauderdale, Florida			PROFESSION	2013	CONSTRUCTION (if ap)			
d.	-	ROLE		Check if project performed with current firm					
	d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Image: Check if project performed with current firm Resident Project Representative. Project responsibilities included on-site resident project representation and inspection during construction as well as construction administrative support throughout construction. The project included the design and construction of 2,000 feet of new taxiway pavement making Taxiway C a full length parallel taxiway to Runway 9L-27R.								



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	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT (Complete one Section E for each key person.)								
12. N	AME	13. ROLE IN THIS PROJEC	T		14. Y	EARS EXPERIENCE			
					a. TOTAL	b. WITH CURRENT FIRM			
R	OBERTOVERBY PE, LEED AP	SENIOR AVIA	TION ENGIN	EER	19	19			
15. F	IRM NAME AND LOCATION (City and State)								
	&H, Inc. ksonville, Florida								
16. E	DUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFE	SSIONAL REG	SISTRATION (STATE ANI	D DISCIPLINE)			
Uni Sta	Master of Science in Civil Engineering, Michigan StateRegistered Professional Engineer: Florida (No. 57558), 2001;University; Bachelor of Science in Civil Engineering, MichiganGeorgia (No. PE034544), 2009 North Carolina (No. 034773),State University2008; South Carolina (No. 25404), 2006								
18. C	THER PROFESSIONAL QUALIFICATIONS (Publications, O	rganizations, Training, Awards,	etc.)						
spe cos gra as (Mr. Overby serves as a Senior Aviation Engineer and is responsible for client and project management including plan and specification development for projects involving drainage, grading, airfield lighting and marking, airfield geometry, pavement design, cost estimation and landside airport development for RS&H'S Aviation Practice. Additionally, he has been responsible for multiple grant management and support for airports throughout the State of Florida and the country. He has 19 years of experience serving as Client Manager, Project Engineer and Project Manager on a variety of engineering and planning projects. His duties encompass all aspects of airside and landside engineering design and airport planning.								
		19. RELEV	ANT PROJECTS						
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
	RUNWAY 9-27 RECONSTRUCTION AND RUNWAY 18-36 EXTENSION(S)			PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)			
	Tallahassee, Florida				2010	2014			
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
	Project Manager. Project involved the reconstruction of Runway 9-27 and t projects included pavement design, drainage design, NAVAIDs design, sinkh outreach program.				zation, and DBE (coordination through an			
	(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (<i>if applicable</i>)				
	TAXIWAY N RECONSTRUCTION PROC Daytona Beach, Florida	GRAM		PROFESSION	2005	CONSTRUCTION (if applicable)			
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
	Project Manager. Project consisted of the reconstruction of approximately 2000 linear feet of taxiway. Project included pavement design, geometric design, grading desing, pavement marking design, construction administration and RPR services.								
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
	NORTH TAXIWAY EXTENSION, CECIL	FIELD		PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)			
	Jacksonville, Florida				2007	2008			
C.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
	Project Director. Project includes prelir taxiway is intended for future hangar d permitting, and future development pla	evelopment. Project							
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
	TAXIWAY A RECONSTRUCTION			PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)			
d.	Pensacola, Florida				1998	2000			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
	Project Support. Design for the recons	truction of the parall	lel Taxiway A to F	Runway 17	7-35.				
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED			
	TAXIWAY B RECONSTRUCTION			PROFESSION	IAL SERVICES	CONSTRUCTION (if applicable)			
	Pensacola, Florida				1998	2000			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC	ROLE		Check if proj	ect performed with current firm	n			
	Project Support. Reconstruction of Tax	kiway B, and evaluati	on of the profile	and exten	sion.				



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	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)							
12.	NAME	13. ROLE IN THIS CON				14. YEAR	S EXPERIENCE	
Ra	j Krishnasamy, P.E.	Principal Geotech	nnical Engi	neer	a. TOTAL		b. WITH CURRENT	
45	FIRM NAME AND LOCATION (City and State)				29)	FIRM 15	
	ERRA SOUTH FLORIDA, INC., West Palm Beach	Florida						
_	EDUCATION (DEGREE AND SPECIALIZATION)	, , , , , , , , , , , , , , , , , , , ,	17. CURREN	NT PROFESSIONAL RE	GISTRATI	ON (STAT	E AND DISCIPLINE)	
BS	Civil Engineering, Christian Brothers University, 1	1987	Profession	nal Engineer, Flori	da No. 53	3567		
	S Civil Engineering, University of Memphis, 1996							
	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org nerican Society of Highway Engineers, Past Presic			. Past Treasurer				
	otechnical Material Engineering Council, Past Cha			,,				
		19. RELEVANT F	PROJECTS					
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLET	ED	
	Taxiway Echo Rehabilitation Project - Fort Laud	erdale Executive Airp	oort	PROFESSIONAL SEI	RVICES	CONST	RUCTION (If applicable)	
	Broward County, Florida			2013				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND						h current firm	
	Mr. Krishnasamy was the principal in charge rehabilitation which included reconstruction or							
	Standard Penetration Test (SPT) borings, Borel	Hole Permeability (B	HP) tests, f	ield CBR tests - K	essler M	ethod, a	ind pavement cores.	
	Performed limited laboratory testing on selected							
	Tests. Also performed laboratory CBR tests (AS (1) TITLE AND LOCATION (<i>City and State</i>)			(2) YEAR (
	Taxiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport		rport	PROFESSIONAL SEI	.,		RUCTION (If applicable)	
	Broward County, Florida			2008	-			
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		🔀 Check if pr	oject perfo	ormed wit	th current firm	
	Mr. Krishnasamy was the principal in charge							
	Executive Airport (FXE) in Broward County, Flo of Taxiway Charlie, Mike and November and							
	borings along Taxiway Bravo and exit ramps as well as pavement cores. Prov			ded geotechnical	report su			
	geotechnical recommendations regarding excav	ations, ground water	control and	l pavement design				
	(1) TITLE AND LOCATION (<i>City and State</i>) Taxiway Delta & Charlie Rehabilitation Project - Fort Lauderdale Executiv Airport, Broward County, Florida		Executive	PROFESSIONAL SEI	(2) YEAR (RUCTION (If applicable)	
				2010	KVICE3	CONST		
C.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$	SPECIFIC ROLE		Check if pro	oject perfo	rmed wit	h current firm	
				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.							
		tions at the site, and	pavement					
	(1) TITLE AND LOCATION (<i>City and State</i>) Western Expansion of Terminal 4 and Connec	tor Bridge to Termir	nal 3. Fort	PROFESSIONAL SEI	(2) YEAR (RUCTION (If applicable)	
	Lauderdale-Hollywood International Airport, Bro			2011	KVICE3	CONST		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND \$	SPECIFIC ROLE		Check if pro	oject perfo	rmed wit	h current firm	
d.	Mr. Krishnasamy was the principal in charge of	the geotechnical eng	gineering stu	udy for proposed V	Vestern E	Expansio	on of Terminal 4 and	
	a connector bridge to Terminal 3. Field work			()	0		0	
	summarizing subsurface conditions and ground design, including evaluating the use of Auger Ca		•	0			0 0	
	criteria and recommendations, site preparation							
	excavations. (1) TITLE AND LOCATION (City and State)						ED	
	Expansion of Runway 10R-28L, Fort Lauderd	ale – Hollywood Int	ternational	PROFESSIONAL SEI	(2) YEAR (RVICES		RUCTION (If applicable)	
	Airport, Broward County, Florida	-		2013		0011011	(<i>ii appiloazio</i>)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND S	SPECIFIC ROLE			oject perfo	rmed wit	h current firm	
e.	Mr. Krishnasamy was the principal in charge of							
	US-1/FEC railroad structures, high fill embankm Railroad structures, MSE walls and high emban							
	higher than the normal practice in Florida.			0 1			0 ,	
	recommendations for MSE walls and embankme	ent fill as well as othe	er geotechni	cal engineering re	commend	dations.		



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STANDARD FORM 330

	E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)							
12.	NAME	13. ROLE IN THIS CON		, , , , , , , , , , , , , , , , , , , ,	1	4. YEARS EXPERIENCE		
	Kumar Vedula, P.E.	Principal Geotech		neer	a. TOTAL			
		•	•		20	8		
	FIRM NAME AND LOCATION (City and State) ERRA SOUTH FLORIDA, INC. West Palm Beac	h Florida						
	EDUCATION (DEGREE AND SPECIALIZATION)		17. CURREN	NT PROFESSIONAL RE	GISTRATIO	ON (STATE AND DISCIPLINE)		
	chelor of Engineering, Andhra University, India, 19	992		nal Engineer, Flori				
	S Civil Engineering, University of Memphis, 1995			5,				
18.	OTHER PROFESSIONAL QUALIFICATIONS (Publications, Org		rds, etc.)					
Au FH Im	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 F	PROJECTS					
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED		
	Expansion of Runway 10R-28L, Fort Lauderd Airport, Broward County, Florida	dale – Hollywood In	iternational	PROFESSIONAL SEI 2013	RVICES	CONSTRUCTION (If applicable)		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			Check if pro	pject perfor	rmed with current firm		
a.	Mr. Vedula was the senior geotechnical engir associated US-1/FEC railroad structures, high fi US-1/FEC Railroad structures, MSE walls and significantly higher than the normal practice in recommendations for MSE walls and embankme	MSE walls. Maximum Maximum Maximum Maximum	SPT soil borings a MSE wall height is y analysis for bridg	and samp expected ge structu	ling are being performed for I to be about 65 ft. which is ures. Provided analysis and			
	(1) TITLE AND LOCATION (City and State)		0		(2) YEAR (COMPLETED		
	T4 West Fuel Hydrant System, Fort Lauderdale – Hollywood Inte Airport, Broward County, Florida		ternational	PROFESSIONAL SEI 2011	RVICES	CONSTRUCTION (If applicable)		
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND				niect nerfor	rmed with current firm		
	Mr. Vedula was the senior geotechnical enginee to enable an evaluation of acceptable foundatio geotechnical recommendations regarding found	er for the geotechnication for the construction	n. Provideo	ng study to explore d a geotechnical re	the subs	urface conditions at the site		
	 (1) TITLE AND LOCATION (<i>City and State</i>) Northside Renovations at Fort Lauderdale Jet Center, Fort Lauderdale Hollywood International Airport, Broward County, Florida 			(2) YEAR COMPLETED				
			uderdale-	PROFESSIONAL SEI 2006	RVICES	CONSTRUCTION (If applicable)		
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND				niect nerfor	rmed with current firm		
	Mr. Vedula was the senior geotechnical engineer for the geotechnical study for the construction of a hangar at pavement areas and resurfacing of existing pavement. Provided recommendations for site preparation, founda design, lateral earth pressure, pavement design, and other construction considerations.					gar and office spaces, new		
	(1) TITLE AND LOCATION (City and State)	•			(2) YEAR (COMPLETED		
	Taxiway Bravo Rehabilitation Project - Fort Laude Broward County, Florida	erdale Executive Airpo	ort	PROFESSIONAL SEI	RVICES	CONSTRUCTION (If applicable)		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIEIC BOI E			niect nerfor	rmed with current firm		
d.	Mr. Vedula was the senior geotechnical engine Executive Airport (FXE) in Broward County, Flo of Taxiway Charlie, Mike and November and borings along Taxiway Bravo and exit ramps as geotechnical recommendations regarding excav	s approxim ing Taxiwa cores. Provi	the rehabilitation ately 2 miles long. y Bravo. Performe ided geotechnical	of Taxiwa The reha ed Standa report sur	ay Bravo at Fort Lauderdale abilitation included widening ard Penetration Test (SPT) mmarize findings as well as			
	(1) TITLE AND LOCATION (City and State)				(2) YEAR (COMPLETED		
	Mounting Structures and Travel Lane at Rem Hollywood International Airport, Broward County	0,	uderdale-	PROFESSIONAL SEI 2009	RVICES	CONSTRUCTION (If applicable)		
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Check if pro	oject perfor	rmed with current firm		
	Mr. Vedula was the senior engineer for the gr proximity to the proposed mounting structures a and subsurface conditions. Also provided geo system along with considerations for drilled shaft	eotechnical engineer and travel lane. Provi technical recommen	ded geotec	o explore the sub hnical engineering	surface c report wi	onditions within or in close th summary of groundwater		



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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)							
E			, ,		14. YEARS		
bis Thomas, P.E., S.I.	•	ls Engine	er / Threshold			b. WITH CURRENT	
TIERRA SOUTH FLORIDA, INC., West Palm Beach, Florida							
16. EDUCATION (DEGREE AND SPECIALIZATION) 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)							
MS in Geotechnical Engineering, 1993 Professional Engineer, Florida No. 56381							
<u> </u>							
ER PROFESSIONAL QUALIFICATIONS (Publications, Org	lanizations, Training, Awai	as, etc.)					
d Masonry Inspector							
on Safety Officer							
	19. RELEVANT F	ROJECTS					
	lordalo Exocutivo Air	nort		.,			
oward County, Florida	lerdale Executive All	pon	PROFESSIONAL SE	RVICES	CONSTR	RUCTION (If applicable) 2012	
BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Check if pro	oject perfo	ormed with	n current firm	
			inspectors verifie	d pay ap	plication	s. Also provided all	
	asphalt field activities					FD	
	uderdale Executive	Airport	PROFESSIONAL SE	. ,		RUCTION (If applicable)	
Broward County, Florida		-	2011			,	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE							
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							
commendations that the soil be densified a	nd the pavement s	ection reinf					
TITLE AND LOCATION (City and State)				(2) YEAR) YEAR COMPLETED		
xiway Echo Rehabilitation Project - Fort Laud oward County, Florida	erdale Executive Air	oort		RVICES	CONSTR	RUCTION (If applicable)	
BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE			oject perfo	ormed with	n current firm	
			loration, pavemen	it cores a	and labor	atory testing for the	
octor Tests. Also performed laboratory CBR te				ion, soil p	orofiles, a	and test results.	
TITLE AND LOCATION (City and State)	t Fort Loudordolo	Executive		(2) YEAR	COMPLET	ED	
port. Broward County. Florida		Executive		RVICES	CONSTR	RUCTION (If applicable)	
				alaat narfa	mage of with	aurrant firm	
				•		•	
	undwater conditions	at the site, a	and pavement core				
	appartention Lanta	na Airport			1		
Im Beach County, Florida	COnstruction, Lanta	na Airpon,	PROFESSIONAL SE	RVICES	CONSTR	RUCTION (If applicable) 2012	
BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Check if pro	oject perfo	ormed with		
		testing and		<i>,</i> ,			
33 and reconstruction of Taxiway C. Services include inspection of asphalt plant supplier, density tests, LBR test, inspection and							
phalt testing (during initial test section and							
	is Thomas, P.E., S.I. NAME AND LOCATION (<i>City and State</i>) A SOUTH FLORIDA, INC., West Palm Beach, ATION (<i>DEGREE AND SPECIALIZATION</i>) Geotechnical Engineering, 1993 ivil Engineering, 1991 FRORFESSIONAL QUALIFICATIONS (<i>Publications, Org</i> Inspector 7021399 d Masonry Inspector on Safety Officer TITLE AND LOCATION (<i>City and State</i>) xiway Bravo Rehabilitation Project - Fort Lauce oward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S construction. During asphalt pavement of se constructions prior to and during all a ITITLE AND LOCATION (<i>City and State</i>) xiway Charlie West Settlement Study- Fort Lauce oward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S . Thomas was the principal in charge of th oratory testing including LBRs, Proctors, and se construction. During asphalt pavement of se construction. During asphalt pavement of se quantities, tack and prime quantities, an ohalt plant inspections prior to and during all a ITITLE AND LOCATION (<i>City and State</i>) xiway Charlie West Settlement Study- Fort La oward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S . Thomas served as principal geotechnical engineering report commendations that the soil be densified a commendations included utilizing geogrid as ITITLE AND LOCATION (<i>City and State</i>) xiway Echo Rehabilitation Project - Fort Laude oward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S . Thomas served as principal geotechnical er pablitation which included reconstruction or indard Penetration Test (SPT) borings, Bore res. Performed limited laboratory testing on ictor Tests. Also performed laboratory CBR te ITITLE AND LOCATION (<i>City and State</i>) xiway Delta & Charlie Rehabilitation Project port, Broward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND S . Thomas served as the principal geotechnical Charlie. Performed Standard Penetration Charlie. Performed Standard Penetration Charlie. Performed Standard Penetration Charlie. Performed	13. ROLE IN THIS CON is Thomas, P.E., S.I. 13. ROLE IN THIS CON NAME AND LOCATION (<i>City and State</i>) A SOUTH FLORIDA, INC., West Palm Beach, Florida ATION (<i>DEGREE AND SPECIALIZATION</i>) Geotechnical Engineering, 1993 Will Engineering, 1991 R PROFESSIONAL QUALIFICATIONS (<i>Publications, Organizations, Training, Awar</i>) Inspector 7021399 d Masonry Inspector on Safety Officer 19. RELEVANT F TITLE AND LOCATION (<i>City and State</i>) ward County, Florida BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas was the principal in charge of the material testing a cratory testing including LBRs, Proctors, and concrete breaks. F se construction. During asphalt pavement rehabilitation (milling comoth fets strip, tack placement, and surface and leveling co ste quantities, tack and prime quantities, and based on those n shalt plant inspections prior to and during all asphalt field activities to the project site, and provide site preparation recommendations included utilizing geogenhical engineer for the geote the project site, and provide site preparation recommendations by ded geotechnical engineering report discussing potentia commendations included utilizing geogrid as part of the site preparation recommendations included utilizing geogenhical engineer for the geote andard Penetration Test (SPT) borings, BoreHole Permeability (res. Performed laboratory CBR tests (ASTM D1883). <t< td=""><td>Is Thomas, P.E., S.I. 13. ROLE IN THIS CONTRACT Principal Materials Engine Inspector NAME AND LOCATION (<i>City and State</i>) A SOUTH FLORIDA, INC., West Palm Beach, Florida ATION (<i>DeGREE AND SPECIALIZATION</i>) Beotechnical Engineering, 1993 Imspector 7021399 Masony Inspector Inspector 7021399 Masony Inspector SHEP DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas was the principal in charge of the material testing and inspect oratory testing including LBRs, Proctors, and concrete breaks. Provided eai econstruction. During asphalt pavement rehabilitation (milling and resurcement of test strip, tack placement, and surface and leveling courses. TSF ste quantities, tack and prime quantities, and based on those numbers the phalt plant inspections prior to and during all asphalt field activities. RTIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussing potential causes commendations include west state) RIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussing potential causes commendations include west scope size, cost, etc.) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussin</td><td>Is Thomas, P.E., S.I. Is. ROLE IN THIS CONTRACT Principal Materials Engineer / Threshold ASOUTH FLORIDA, INC., West Palm Beach, Florida ASTON (<i>DEGREE AND SPECULIZATION</i>) Seotennical Engineering, 1993 Will Engineering, 1991 Is RAOLESSIONAL QUALIFICATIONS (<i>Publications, Organizations, Training, Awards, etc.</i>) Inspector 7021399 d Masonry Inspector on Safety Officer 19. RELEVANT PROJECTS TITLE AND LOCATION (<i>City and State</i>) wiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport PROFESSIONAL GUIDS, Index State) wiway Bravo Rehabilitation Project - Fort Lauderdale Executive Airport PROFESSIONAL SECURITION (<i>Bird scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas was the principal in charge of the material testing and inspection services for to ratory testing including LBRs, Proctors, and concrete breaks, Provided earthwork and concrete quantities, tack and prime quantities, and based on those numbers the inspectors were a steg quantities. TITLE AND LOCATION (<i>Diry and State</i>) wiway Charlie West Settlement Study- Fort Lauderdale Executive Airport PROFESSIONAL SE Way Charlie West Settlement Study- Fort Lauderdale Executive Airport PROFESSIONAL SE Wiway Charlie Vest Settlement Study- Fort Lauderdale Executive Airport</td><td>Is Thomas, P.E., S.I. 13. ROLE IN THIS CONTRACT Interpretation Principal Materials Engineer / Threshold Interpretation Interpretation SOUTH FLORIDA. INC., West Palm Beach, Florida 17. CURRENT PROFESSIONAL REGISTRAT Seotechnical Engineering, 1993 Inspector 17. CURRENT PROFESSIONAL REGISTRAT Professional Councy, Clay and State Inspector 17. CURRENT PROFESSIONAL REGISTRAT Inspector TO21399 Inspector Inspector Inspector Soafety Officer 19. RELEVANT PROJECTS (2) YEAR Wavay Brave Rehabilitation Project - Fort Lauderdale Executive Airport Important Provided field aspectors were also in the step in cluding LBRs. Proctors, and concrete breaks. Provided earthwork and concrete Inspectors verified pay a phatiplant inspector sources. 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RTIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussing potential causes commendations include west state) RIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussing potential causes commendations include west scope size, cost, etc.) AND SPECIFIC ROLE Thomas served as principal geotechnical engineer for the geotechnical engineering report discussin	Is Thomas, P.E., S.I. Is. ROLE IN THIS CONTRACT Principal Materials Engineer / Threshold ASOUTH FLORIDA, INC., West Palm Beach, Florida ASTON (<i>DEGREE AND SPECULIZATION</i>) Seotennical Engineering, 1993 Will Engineering, 1991 Is RAOLESSIONAL QUALIFICATIONS (<i>Publications, Organizations, Training, Awards, etc.</i>) Inspector 7021399 d Masonry Inspector on Safety Officer 19. 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	E. RESUMES	OF KEY PERSONNE (Complete one Section		OR THIS CONTRACT person.)		
12.	NAME	13. ROLE IN THIS CONTR		14. YEA	RS EXPERIENCE	
Jodi Beck		General Environment	General Environmental Consulting		b. WITH CURRENT FIRM 9 years	
	FIRM NAME AND LOCATION (City and State) pen Environmental Consulting, LLC., Pal	m City, Florida				
16. M. Sy <u>Th</u> 18.	EDUCATION (DEGREE AND SPECIALIZATION) S. in Engineering Management with a foo stems Engineering - Ohio University (200 e Pennsylvania State University (1997) OTHER PROFESSIONAL QUALIFICATIONS (Pub	cus in Industrial and 03) □B.S. in Biology – lications, Organizations, Trai	MBE – State of F			
	vironmental Professional as defined in E ur HAZWOPER Training, OSHA 8-hr Sup		quiry Rule. CPR/	First Aid, Haz. Materials	Transponation DOSHA 40-	
		19. RELEV	ANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)				R COMPLETED	
	Riviera Beach Community Redevelopm	ent Agency (CRA) , Ri	viera Beach, FL	PROFESSIONAL SERVICES 2013-2014	CONSTRUCTION (If applicable)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost,	etc.) AND SPECIFIC ROLE		X Check if project performe	d with current firm	
a.	As a subcontractor to RADISE, Aspen (ESAs) over the course of a year Redevelopment Agency. Aspen provid included a presentation of findings in oversight and management of several a	in accordance with ed detailed ASTM-cor a user-friendly forma	the current AST mpliant reports fo at consisting of t	M Standard for the or each of the Phase I tables, text, and maps	Riviera Beach Community and Phase II ESAs, which	
	(1) TITLE AND LOCATION (City and State)				R COMPLETED	
	Stuart Jet Center, Stuart, FL.			PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE					
b.	Reviewed and made necessary change information regarding operations that if failure which could cause an oil release Reviewed the facility drainage from dil containment, tank overflow protection piping), loading and unloading operati SPCC plan and had a licensed Prot regulations. Fees: \$1,450	involve the use or sto e, as well as whether the ked and undiked area , visual inspections, co ons, inspection record	rage of petroleun he containment p s, bulk tanks (inc orrection of leak ds, security and b	n products. Reviewed rovided was adequate t luding material stored, s, integrity testing, etc. training. Made necessa	the potential for equipment to prevent such a discharge. containment, drainage from .), transfer operations (tank ary revisions to the existing	
	(1) TITLE AND LOCATION (City and State)			()	R COMPLETED	
	Former BP Gas Station UST Closure, F	Port St. Lucie, FL.		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost,	etc.) AND SPECIFIC ROLE		X Check if project performe	d with current firm	
	Conducted closure sampling for several accordance with applicable FDEP closu piping lines so that the soils beneath the	re regulations. Worked	d with a subcontra	actor to identify the exac	t location of buried transfer	
	(1) TITLE AND LOCATION (City and State)			(2) YEA	R COMPLETED	
	Contamination Assessment at a Recycli	ng Plant, Indiantown,	FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE X Check if project performed with current firm					
	Performed soil and groundwater sampling in accordance with FDEP standard operating procedures (SOPs) to assess whether impacts were caused by former washing operations that were conducted in an unbermed area. Prepared written documentation to FDEP to indicate that no contamination was present and successfully closed out the site. Fees: \$5,942					
	(1) TITLE AND LOCATION (City and State)				R COMPLETED	
	SPCC for the U.S Dept. of Justice/Fede	eral Bureau of Prisons	Miami Facility	2009	CONSTRUCTION (If applicable)	
e.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE X Check if project performed with current firm Developed an SPCC plan for the FCI/FCP Miami facility that was fully compliant with SPCC regulations and had a licensed					
		e , <i>,</i>	. ,			

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F. EXAMPLE PROJECT QUALII	20. EXAMPLE PROJECT KEY NUMBER			
(Present as many projects as Comp	1			
21. TITLE AND LOCATION (City and State)		22. YEAR (COMPLETED	
RUNWAY 9L-27R AIRFIELD	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)		
LAUDERDALE-HOLLYWOOL	2013	2013		
AIRPORT (FLL)				
Fort Lauderdale, Florida				
	23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE I	NUMBER	
Broward County Aviation Department	(954) 359-6973			
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)				

The RS&H team was selected to provide planning, engineering, permitting, construction administration and inspection services for the Runway 9L-27R Airfield Modifications project. As part of the planning effort, RS&H evaluated a number of potential airfield enhancements to Runway 9L-27R, the primary arrival and departure runway. RS&H performed the planning effort, including Runway Exit Interactive Design Model (REDIM) analysis, Airport and Airspace Delay Simulation Model (SIMMOD), and Benefit Cost Analysis of the proposed improvements. Subsequently, a ranking of the proposed improvements was accomplished to allow the airport to determine which of the proposed improvements would be the most cost effective and beneficial to the airport.

The new airfield enhancement improvements included:

- New high speed exit Taxiways A4 and B5 on the north side and south side of the runway for east flow operations
- > Widening of existing high speed exit Taxiway B3 on the south side of the runway for west flow operations
- Widening the Taxiway A and B end connectors to Runway 27R to allow two B-777 aircraft to hold side by side prior to crossing the runway to access the terminal concourses

The services provided for new pavement, subgrade preparation, utility protection over three high pressure jet fuel pipelines, new storm drainage facilities, new environmental permitting for all new pavements to meet South Florida Water Management District (SFWMD), Broward County and City of Fort Lauderdale environmental permit requirements.



The project also included new runway and taxiway lighting and signage systems, modifications to existing FAA MALSR approach lighting system components, complete new runway in-pavement guard lighting systems, relocation of existing 4-box PAPI system, complete new computer controlled Airfield Lighting Control and Monitoring System (ALCMS) backbone for the airfield lighting vault

and the FAA ATCT and modifications to the existing airfield lighting vault that included new regulators, power and control systems.

The project demonstrated RS&H's effective airfield modeling capabilities, the development of complex Safety Phasing/Maintenance of Traffic Plans on a busy and congested runway and taxiway system for critical airport operations and the capability to design taxiway systems in accordance with the latest FAA criteria.

The project also demonstrated RS&H's ability to perform construction administration and inspection duties where the Airport closed the runway 24 hours per day for seven days to allow the three high pressure jet fuel pipelines to have protective concrete covers installed to accommodate the weight of the most demanding aircraft planned for the Airport (B-777-300) passing over the pipelines. Due to the extremely close coordination between the Airport, the contractor and the FAA Tower staff, the runway was reopened at 5 PM on the seventh day. Additionally, the runway was to be closed from 9 PM until 5 PM (20 hours) each day for a maximum of 65 calendar days to complete all work on the three high speed exit taxiways and two taxiway widenings at the Runway 27R end within the Runway Object Free Area (OFA). The contractor was able to complete all the work within 52 calendar days allowing the runway to reopen 13 calendar days





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ahead of schedule. This accomplishment was due to the extremely qualified and dedicated inspection staff working tirelessly with Airport Management and Operations staffs, contractor and FAA Tower staff on a daily basis.

The project timeline was such that the planning and preliminary design had to be accomplished in four months to allow the Airport to determine which of the alternatives proposed met the needs of the Airport and could reduce most of the capacity delays that were facing the Airport. Once the decisions were made on which alternatives, RS&H had two months to complete the five element design plans and specifications. In order to complete the design within the two month window, RS&H utilized seven offices using the Project management Software tool ProjectWise which is a collaboration application used to manage, find, and share project files, including AutoCAD and GIS and MS Office documents. In the second month of the final design, the Airport notified RS&H that they wanted to integrate into the plans another consultant's plans and specifications for a project adjacent to the Airfield Modifications project. RS&H then wrote the specifications for both projects, incorporated the other set of plans and published both sets of plans and specifications along with the combined Broward County Up-Front Contract Documents on time at the end of the second month. The project was subsequently bid and the bids came in \$2,509,000 under the Airport's budget.

Due to the close and continuous coordination between the RS&H construction administration and inspection staff and the Airport Management, Operations, contractor and the FAA Tower staff, the project was completed ahead of schedule, with no change orders and the final Airfield Modifications project construction cost was under budget by approximately \$1,355,791 from the actual bid amount.

Challenges Overcome

Project formulation, planning, design and bidding were challenges complicated by the reduced schedule driven by FAA grant funding and the requirement to include another consultant's drawings into the bid set contract documents. The RS&H team worked successfully with BCAD to develop solid engineering solutions, while keeping the project on-time and getting it bid on time in order to capture available discretionary FAA grant funds. Once BCAD and FAA approved the planning and preliminary engineering concepts, RS&H had only two months to complete the design of this multi-million dollar project. To accomplish this feat, RS&H met regularly with BCAD Management and Operations staffs and FAA ATCT staff to discuss traffic flow and impact of the improvements on the north airfield to create a coordinated set of construction documents, of which the most important included the construction phasing safety plans approved by the Airport, Operations and ATCT staff.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				
a.	Keith and Associates, Inc.	Pompano Beach, FL	Engineering, RPR Services, Surveying				
b.	RS&H, Inc.	Fort Lauderdale, FL	Architectural, Engineering, Planning and Environmental Services				

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F. EXAMPLE PROJECT	20. EXAMPLE PROJECT KEY NUMBER		
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)			2
21. TITLE AND LOCATION (City and State)			OMPLETED
NEW SOUTH RUNWAY 10R-	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	
LAUDERDALE-HOLLYWOOD INTERNATIONAL		2010	2016
AIRPORT (FLL)			
Fort Lauderdale, Flórida			
	23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER b. POINT OF CONTACT NAME		C. POINT OF CONTACT TELEPHONE N	IUMBER
Broward County Aviation Department Trevor Fisher, P.E.		(954) 359-6866	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO	THIS CONTRACT (Include scope, size, and cost)		

Keith and Associates, RS&H and Tierra of South Florida were retained on a team of consultants selected by Broward County to provide design, bidding and construction phase services for the Airport Expansion Program (AEP) for the design of a new south Runway 10R-28L and associated taxiways, at Fort Lauderdale-Hollywood International Airport. A major element of the AEP is the expansion of Runway 10R-28L which was designed for an Airplane Design Group (ADG) V and will be 8,000 feet long by 150 feet wide, It will be located along the centerline of (and replace) the current general aviation Runway 10R-28L. The new runway, along with a full- length parallel taxiway to the north, will extend over the existing airport perimeter road, Florida East Coast Railroad and US Highway 1 located east of the Airport. This requires the new Runway 10R-28L and its inner parallel taxiway to be elevated to the east. This will necessitate two Runway/Taxiway Structure(s). The proposed runway alignment, longitudinal and transverse runway grades, and the taxiway extensions will be configured in accordance with the FAA Advisory Circular 150/5300-13 Airport Design to accommodate a Boeing 777-300. The project includes:



- » Runway and Taxiway lighting and signage system
- » Approximately 6.5 million cubic yards of earthwork and grading
- » Temporary and permanent erosion control measures
- » Multiple utilities relocation and installation of new utilities
- » New Mechanically Stabilized Earth (MSE) retaining wall system
- » New security fencing and camera system
- » New Engineered Material Arresting Systems (EMAS) for both Runway 10R and 28L runway ends
- » Partial decommissioning of Taxiways D and E and Runway 13-31
- » NAVAIDs design and access roads

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
(1) FIRM NAME (2) FIRM LOCATION (City and State) (3) ROLE							
	a.	Keith and Associates, Inc.	Pompano Beach, FL	Engineering, Surveying, SUE, RPR			
	b.	RS&H, Inc.	Fort Lauderdale, FL	Engineering, Planning and Environmental			
	C.	Tierra South Florida	West Palm Beach, FL	Geotechnical Engineering, Construction Material Testing and Inspection Services			

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- Demolition of existing airfield pavements and facilities
 - New 8,000-foot by 150-foot runway
 - New runway high speed exit taxiways and connector taxiways to the parallel taxiway
 - New full length parallel taxiway and partial length outer parallel taxiway
 - New cross-field dual parallel taxiway system to connect to the north Runway 10L-28R and parallel taxiway system
 - New holding bays for aircraft
 - Major stormwater drainage and detention systems requiring permitting through the South Florida Water Management District (SFWMD) and Broward County Environmental Permitting Department (BCEPD)

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F. EXAMPLE PROJECT QUALIF	20. EXAMPLE PROJECT KEY NUMBER					
(Present as many projects as Comp	3					
21. TITLE AND LOCATION (City and State)	22. YEAR C	COMPLETED				
TAXIWAY C WEST RECONS	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)				
LAUDERDALE-HOLLYWOOL	2013	2013				
AIRPORT (FLL)						
Fort Lauderdale, Florida						
	23. PROJECT OWNER'S INFORMATION					
a. PROJECT OWNER	C. POINT OF CONTACT TELEPHONE N	IUMBER				
Broward County Aviation Department	(954) 359-6973					
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)						

The RS&H team was retained by the Broward County Aviation Department to perform design, bidding, construction administration and resident project representation (RPR) for the Taxiway C-West and South Apron Reconstruction project at Fort Lauderdale-Hollywood International Airport. The project scope consisted of the demolition and reconstruction of 3,500 feet of Taxiway C pavement from Runway 9L departure end to Taxiway E and 850 feet of pavement mill and overlay of Taxiway C at the intersection of Taxiway D and E. Taxiway C is a Group IV taxiway. Taxiway C West and its associated south apron is designed to meet the geometric and gradient requirements of the most demanding Group V aircraft (B-777-200) anticipated in the future fleet mix for the Airport demand forecast.

Taxiway C is the primary taxi path from Terminals 1 and 2 to the Runway 9L end. In order to maintain traffic, the project was divided into seven phases over 231 calendar days. The portions of pavement reconstruction inside the Runway Safety Area of Runway 13-31 was accomplished at night. The entire phasing was developed in consultation with BCAD, FAA ATCT, and RS&H.

RS&H performed extensive materials evaluation related to pavement section and subgrade. The existing pavement section was rutting and shoving under commercial service aircraft traffic. RS&H engineers identified issues with the pavement and subgrade section. Numerous cost saving and innovative procedures were used in the final design. The pavement design was accomplished in accordance with the FAA Advisory Circular 150/5320-6E, Airport Pavement Design and Evaluation and the FAARFIELD design software to meet a 20-year minimum pavement life. To bridge poor soil conditions and stabilize the embankment, the sand subgrade was enhanced with in-situ limerock. Secondly, a geogrid was placed between the limerock base and subgrade to stiffen the base layer. Finally, the bituminous millings were incorporated as RAP in the bituminous base course. The project was bid successfully in April 2012, with construction completed in 2013.

Pavement Evaluation and Design

RS&H performed an extensive records investigation of previously completed geotechnical and pavement condition reports. These reports do not always capture the extent of problem areas or present themselves directly. Variable soil conditions can occur within a construction site that the 200-foot spacing of borings may not discover. On this project, the taxiway had been constructed approximately five years ago (by others) and was already exhibiting signs of rutting and localized depressions. It was not clear if the issue was a bituminous mixture or subgrade failure. RS&H recommended additional test locations to obtain current cross-sectional depth information. The comparison of the current conditions to that historical data led to the discovery that the water table had decreased and where it once saturated and supported the subgrade sands, it now left voids causing the rutting by the heavier, more frequent loads. This was not evident by the historical data alone.

The RS&H Team's boots-on-the-ground investigation, both during design and construction, has provided first-hand examination of the existing pavement, soil type and condition, and electrical infrastructure condition. The result was a design that called for enhancement of subgrade materials with limerock. The enhanced subgrade incorporated a synthetic geo-grid to provide additional subgrade stabilization. Furthermore, the proposed pavement design used stabilized P-401 for stabilized base. This "leave no stone unturned" approach illustrates RS&H's thoroughness to find and incorporate real world solutions into the design.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT							
		(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				
	a.	Keith and Associates, Inc.	Pompano Beach, FL	Engineering, Surveying, RPR				
	b.	RS&H, Inc.	Fort Lauderdale, FL	Architectural, Engineering, Planning and				
				Environmental Services				
			•	CTANDADD FORM 220 (DEV. 2/20				







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actual bid amount.

a.

(1) FIRM NAME

RS&H, Inc.

Keith and Associates, Inc.

	QUAL many projects	TS WHICH BEST ILLUSTRATE PROPOS IFICATIONS FOR THIS CONTRACT as requested by the agency, or 10 projects plete on Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION (City and State				22. YE	AR COMPLETED
TAXIMAYCEAST	RECONS	STRUCTION - FORT		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
		DINTERNATIONAL		2013	2013
		DINTERNATIONAL			
AIRPORT (FLL) Fort Lauderdale, Florida					
		23. PROJECT OWNER'S INFORM	ATION		
. PROJECT OWNER		b. POINT OF CONTACT NAME		c. POINT OF CONTACT TELEPHO	DNE NUMBER
Broward County Aviation De	partment	Gasser Douge, PE, CM		(954) 359-6973	
4. BRIEF DESCRIPTION OF PROJECT A	ND RELEVANCE	TO THIS CONTRACT (Include scope, size, and cost)			
 berformed the planning efformed the planning efformed Simulation Model (SI Faxiway C Extension. The rest of the set of	ort, including MMOD), and esults of the p o utilize both I aircraft traff o whether Ru ed that the C East – Pha thase II airfie orn the existi to Taxiway 5 to Taxiway 5 m associated xiway to what	Id enhancement improvements incl ng Terminal Apron (Taxilane T) w S, and Taxiway T5 Q which would become part of th d with the new south Runway 10R-2 It would become Taxiway L as part ed with the new south Runway 1	space posed e local tiways ircraft t flow uded. est to e new 28L of the 0R-28L.		ction, this connector wa
The services provided for ne storm drainage facilities, ner Lauderdale environmental pe checked for operation. The project also included ne pond, relocation of an existin	ew pavement w environme ermit requirer ew runway a ng ammunitio	aircraft separation between Taxiway , subgrade preparation, utility prot ntal permitting for all new paveme nents and the removal of the existin nd taxiway lighting and signage sy on storage facility utilized by Custo n-up pad and the critical protection	ection ov nts to m ng VOR o vstems, o ms and	ver one high pressure eet SFWMD, Broward once the temporary VC development of addition Border Patrol and the	I County, and City of Fo DR was installed and flig onal stormwater detentio Broward County Sheriff
The project demonstrated R of Traffic Plans on a busy a axiway systems in accordar administration and inspectio aircraft operations to continu	S&H's effection and congestence with the n duties whe e unhampere	ve airfield modeling capabilities, the ed runway and taxiway system for latest FAA criteria. The project als re several connecting taxiways cri- ed during the construction of the Ta- raft operation being delayed. This	e develo critical so demo tical to n axiway C	pment of complex Safe airport operations, and nstrated RS&H's abilit novement of aircraft ha . All the construction of	ety Phasing/ Maintenand d the capability to desig ty to perform construction ad to be planned to allo of the impacted connect

dedicated inspection staff working tirelessly with Airport Management and Operations staff, contractor and FAA Tower staff on a daily basis. Due to the close and continuous coordination between the RS&H construction administration and inspection staff and the Airport Management, Operations, contractor and the FAA Tower staff, the project was completed ahead of schedule, with no change orders and the final Taxiway C East - Phase II project construction cost was under budget by approximately \$869,406 from the

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(2) FIRM LOCATION (City and State

Pompano Beach, FL

Fort Lauderdale, FL

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Engineering, Surveying, RPR

Environmental Service

Architectural, Engineering, Planning and

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT					20. EXAMPLE PROJECT KEY NUMBER		
	(Present as many projects as requested by the agency, or 10 projects, if not specified. 5 Complete on Section F for each project.)						
21. TITL	21. TITLE AND LOCATION (City and State)				COMPLETED		
RUI	RUNWAY 9L-27R EMERGENCY REPAIRS - FORT		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)			
LAL	IDERDALE-HOLLYW	OOD INTERNATIONAL		2014	2014		
AIR	AIRPORT (FLL)						
Fort I	Fort Lauderdale, Florida						
a. PROJE	23. PROJECT OWNER'S INFORMATION a. PROJECT OWNER b. POINT OF CONTACT NAME c. POINT OF CONTACT TELEPHONE NUMBER						
Browa	ard County Aviation Department	Gasser Douge, PE, CM		(954) 359-6973			
	· · ·	NCE TO THIS CONTRACT (Include scope, size, and c	ost)	()			
and for segme RS&H Cost ab flowed	The RS&H team was selected to provide planning, engineering, and permitting services for the Runway 9L-27R Airfield Modifications and for the Taxiway C East – Phase II project. As part of the planning effort, RS&H evaluated the affect of extending the existing segmented Taxiway C so that there was full dual parallel taxiways from the Terminal Apron west to the end of Runway 9L-27R. RS&H performed the planning effort, including REDIM analysis, Airport and Airspace Delay Simulation Model (SIMMOD), and Benefit Cost Analysis of the proposed Taxiway C Extension. The results of the planning efforts established that the local FAA Tower would be able to utilize both Taxiway B and C as individual taxiways allowing Taxiway B to flow all aircraft traffic east while Taxiway C flowed all aircraft to the west dependent upon whether Runway 9L-27R was in east or west flow operations. It also determined that the capacity of the north airfield would be enhanced with that Taxiway C East – Phase II segment completed.						
The n	ew Taxiway C East – Phase II a	irfield enhancement improvements ir	cluded:				
> N > N	lew connector taxiways to Taxiw	sting Terminal Apron (Taxilane T) we ray S, and Taxiway T5 ay Q which would become part of th		•	associated with the new		
the ne 28L. I a Gro The s	New future connector stub taxiway to what would become Taxiway L as part of the new cross-field taxiway system associated with the new south Runway 10R- 28L. Later, during construction, this connector was moved west to accommodate a Group V aircraft separation between Taxiway L and Taxiway Q. The services provided for new pavement, subgrade preparation, utility protection						
enviro Count remov check	onmental permitting for all nei ty, and City of Fort Lauderdale val of the existing VOR once the ted for operation.	pipeline, new storm drainage facilitie w pavements to meet SFWMD, E environmental permit requirements he temporary VOR was installed ar	Broward and the ad flight				
devel Borde	opment of additional stormwater	y and taxiway lighting and signage s r detention pond, relocation of an ex ty Sheriff's Office, protection of an e on (PACS).	isting ammu				
The project demonstrated RS&H's effective airfield modeling capabilities, the development of complex Safety Phasing/Maintenance of Traffic Plans on a busy and congested runway and taxiway system for critical airport operations, and the capability to design taxiway systems in accordance with the latest FAA criteria. The project also demonstrated RS&H's ability to perform construction administration and inspection duties where several connecting taxiways critical to movement of aircraft had to be planned to allow aircraft operations to continue unhampered during the construction of the Taxiway C. All the construction of the impacted connector taxiways took place without a single aircraft operation being delayed. This accomplishment was due to the extremely qualified and dedicated inspection staff working tirelessly with Airport Management and Operations staff, contractor and FAA Tower staff on a daily basis.							
Due to the close and continuous coordination between the RS&H construction administration and inspection staff and the Airport Management, Operations, contractor and the FAA Tower staff, the project was completed ahead of schedule, with no change orders and the final Taxiway C East – Phase II project construction cost was under budget by approximately \$869,406 from the actual bid amount.							
	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
a.	(1) FIRM NAME Keith and Associates, Inc.	(2) FIRM LOCATION (City and State) Pompano Beach, FL	(3) ROLE	g, Surveying, RPR			
b.	RS&H, Inc.	Fort Lauderdale, FL		al, Engineering, Planni			
	NOXH, IIIC.	I OIT LAUUEIUAIE, FL	Aronneolur		D FORM 330 (REV. 3/2013)		



STA

	ECTS WHICH BEST ILLUSTRATE PROPOSED TEA IALIFICATIONS FOR THIS CONTRACT	M'S	20. EXAMPLE PROJECT KEY NUMBER
(Present as many project	ecified.	6	
I. TITLE AND LOCATION (City and State)	22. YEA	R COMPLETED	
BOMBARDIER AIRCRAFT	SERVICE CENTER - FORT	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
AUDERDALE-HOLLYWC AIRPORT (FLL) Fort Lauderdale, Florida	OD INTERNATIONAL	On-going	N/A
PROJECT OWNER	23. PROJECT OWNER'S INFORMATION b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHON	IE NUMBER
acobs Engineering Group, Inc.	Dan Richardson, Sr. Project Manager- Global Building	(214) 583-8595	
	Center, located of Airport, Wagner H The projection of hanga that will p and airsis operation operation operation of the preparation operation ope	d with the FLL Bom for a approximately 30 in the west side of Fort south of Taxiway Cha Boulevard. it consists of approxima r, shops and office area rovide 250 to 300 parki de connection to Taxiwa of the proposed facility. d associates is providir ineering services to on and processing, and drainage design to she Engineer of Recor- ole for the modification Plan and Permits requirainage sub-basins delii f the "Overall FLL Airport f the project's propose on of the FLL Airport IC sub-basin delineation s. Additionally, we are sed on FAA requirement a 30,000 lbs with the use of Associates is also	D acres lease proper Lauderdale Internation arlie and north of Lea ately 290,000 square fe a, including a parking I ng spaces and an apro ay Charlie to support the rinclude the site pla water, sewer, pavin o support the propose rd for this project, we a of the Airport's Mast uiring the revision of the neations for the Weste ort Drainage Basin Ma d improvements and the CPR model based on the ns and site propose e designing the airsid ts for airplanes weighing of FAARFIELD.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				
a.	Keith and Associates, Inc.	Pompano Beach, FL	Engineering, Planning, Survey, Construction Administration				
C.	Tierra of South Florida	West Palm Beach, FL	Geotechnical Engineering				

NEW BOMBARDIER FORT LAUDERDALE SERVICE CENTER





CAM #17-0229

Exhibit 3 37 of 82

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F. EXAMPLE PROJECT QUALIF (Present as many projects as Comp.	20. EXAMPLE PROJECT KEY NUMBER		
21. TITLE AND LOCATION (City and State)		22. YEAR C	COMPLETED
TAXIWAY ECHO REHABILIT	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	
LAUDERDALE EXECUTIVE A	2014		
	23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE N	IUMBER
Kimley-Horn & Associates, Inc.	(561) 845-0665		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO	THIS CONTRACT (Include scope, size, and cost)		



The FXE Taxiway Echo project needed to address failing pavement conditions and update geometry to comply with the FAA AC 15/5300-13A-Change 1. Taxiway Echo is the secondary parallel taxiway serving runway 9-27 nearly 6,200 feet long and 50' wide.

Keith and Associates, as a sub to Kimley-Horn, was responsible for surveying the entire projects corridor in accordance with FAA AC 150/5300-18B & 16A. The survey limits consisted of 100 feet north of the centerline of Taxiway Echo to the intersection with Runway 9 on the south and a width of 100 feet centered on the taxiway centerline, as well as areas for the taxiway connectors at E2, Hotel, and Quebec along Taxiway Echo. In addition K&A set adequate project horizontal control, references, established baselines at 100-foot stations for the rehabilitated taxiway and set project benchmarks.

Tierra South Florida performed 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. The project was completed on time and within budget.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT							
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				
a.	Keith and Associates, Inc.	Pompano Beach, FL	Surveying				
C.	Tierra South Florida, Inc.	West Palm Beach, FL	Geotechnical Engineering				



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	JECTS WHICH BEST ILLUSTRATE PROPOSED T UALIFICATIONS FOR THIS CONTRACT	'EAM'S	20. EXAMPLE PROJECT KEY NUMBER						
(Present as many proje	(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)								
21. TITLE AND LOCATION (City and State)		22. YEAR	R COMPLETED						
RUNWAY 13/31 REHABIL	ITATION - FORT	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)						
LAUDERDALE-HOLLYW		2009	2010						
AIRPORT (FLL)									
Fort Lauderdale, Florida									
	23. PROJECT OWNER'S INFORMATION								
a. PROJECT OWNER	E NUMBER								
Broward County Aviation Department	Carlos Hernandez	(954) 359-2255							
24. BRIEF DESCRIPTION OF PROJECT AND RELEVAL	NCE TO THIS CONTRACT (Include scope, size, and cost)								
assist in development of final inspection	design Interna reconst and Ta the No and Ta the No and Ta Scope service constru- se or sub-phase of work, final inspection o on punch list and assist in development of the ation with the contractor (Ranger Constru-	f entire project prior to full phe project.	Lauderdale-Hollywood roject included full depth sections at Taxiway 'A' hilling and resurfacing at ay 13/31 at Taxiway 'C' fic tasks included in this safety and inspection hight time shifts, weekly meetings, substantial project acceptance, and						
(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE							
a. Keith and Associates, Inc.	Pompano Beach, FL	Engineering, RPR, Surv	reying						
b. RS&H, Inc.	Fort Lauderdale, FL	Engineering, Planning a	nd Environmental						

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		OJECTS WHICH BEST ILLUSTRATE PR QUALIFICATIONS FOR THIS CONTRAC		'S	20. EXAMPLE PROJECT KEY NUMBER
		ojects as requested by the agency, or 10 p Complete on Section F for each project.)	rojects, if not spe	cified.	9
21. TITI	E AND LOCATION (City and State)			22. YEAR	COMPLETED
TAX	KIWAY BRAVO REHA	BILITATION PROJECT	- FORT	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	JDERDALE EXECUT				
	Lauderdale, Florida			2008	2012
1 0/1		23. PROJECT OWNER'S IN	IFORMATION		
a. PROJE	ECT OWNER	b. POINT OF CONTACT NAME		C. POINT OF CONTACT TELEPHONE	NUMBER
Kimle	ey-Horn & Associates, Inc.	David Bardt, P.E.		(561) 845-0665	
24. BRI	EF DESCRIPTION OF PROJECT AND RELEV	ANCE TO THIS CONTRACT (Include scope, size, a	nd cost)		
FXE Pave minin meet comp Keith surve 150/5 perpe 4090 includ fixed Tierra rehat (FXE miles Mike Perfo Bravo geote recor pave Durin for th LBRs conci aspha field place also prime pay a and c	Pavement Management Pro- ment Condition Index well num. In addition the taxiway co- the demand for D-III airco leted the rehabilitation and w and Associates, as a sub to eying the entire projects corrie 300-18B. A 300 foot cor- endicular to the centerline of T linear feet (690 feet north and ding survey of intersecting com- bars into new pavement towar based operations areas at each a South Florida performed bilitation of Taxiway Bravo at F) in Broward County, Florida. long. The rehabilitation include and November and milling rmed Standard Penetration To be and exit ramps as well echnical report summarize fir mmendations regarding excava ment design. g construction, provided mater the taxiway rehabilitation. Perfor s, Proctors, and concrete b rete inspections during subgrav- alt pavement rehabilitation (m asphalt inspectors to observ- ment, and surface and levelir in charge of tracking all tom-	a geotechnical study for the Fort Lauderdale Executive Airport The project was approximately 2 ded widening of Taxiway Charlie, and resurfacing Taxiway Bravo. est (SPT) borings along Taxiway as pavement cores. Provided ndings as well as geotechnical ations, ground water control and ial testing and inspection services rmed laboratory testing including reaks. Provided earthwork and de and base construction. During nilling and resurfacing), provided re placement of test strip, tack ng courses. TSF inspectors were nage, waste quantities, tack and re numbers the inspections prior to	15344 AIRPORT DI TIO 85 DECUTIVE FOWER 120 9 239 3 UT 127 93 127	ANNUAL ANT OF CANAGE ANNUAL ANT OF CANAGE O,1 W ANNUAL ANT OF CANAGE ANNUAL ANT OF CAN	LAUDERDALE EXECUTIVE (FXE) FORT LAUDERDALE, FLORIDA
		25. FIRMS FROM SECTION C INVOLV	ED WITH THIS PROJ	JECT	
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)		3) ROLE	
a.	Keith and Associates, Inc.	Pompano Beach, FL	5	Surveying	
C.	Tierra South Florida, Inc.	West Palm Beach, FL	(Geotechnical Engineering Material Testing and Insp	
	1	1	1	STANDARD FORM	330 (REV. 3/2013) PAGE 2



F. EXAMPLE PR	OJECTS WHICH BEST ILLUSTRATE PROPOSED TEAI QUALIFICATIONS FOR THIS CONTRACT	M'S	20. EXAMPLE PROJECT KEY NUMBER
(Present as many pro	ecified.	10	
21. TITLE AND LOCATION (City and State)		22. YEAR (COMPLETED
SPILL PREVENTION CC	NTROLAND	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	LAN FOR STUART JET CENTER		
AT WITHAM FIELD		2013	N/A
Stuart, Florida	23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE	NUMBER
Crossroads Environmental and Stua	rt Jet Jennifer Acevedo (Crossroads)	(772) 626-9005	
Center	Dan Capen (Stuart Jet Ctr.)	(772) 288-6700	
24. BRIEF DESCRIPTION OF PROJECT AND RELEV	ANCE TO THIS CONTRACT (Include scope, size, and cost)		
	as contracted by Crossroads Environmental, wh ill Prevention Control and Countermeasure (SP		
	Part 112 (Oil Pollution Prevention Regulations		
	consume oil or oil products over a threshold qui		
Countermeasure (SPCC) Plan. The	plan must be reviewed and recertified by a Profe	essional Engineer every fi	ve years.
	one-day site visit to the facility to review existing		
	ts. Aspen Environmental reviewed the potentia		
	tainment provided was adequate to prevent such diked and undiked areas, bulk tanks (includir		
	on, visual inspections, correction of leaks, integri		
	spection records, security and training	y tooting, oto.), transfor o	porationo (taint piping),
Acres Environmental then made no	eccent revisions to the evicting plan and had a	licensed Drefessional En	aincor (D E) cortifu the
Plan, as required by the Oil Pollution	cessary revisions to the existing plan and had a	licensed Professional En	gineer (P.E.) ceruiy the
	i i rovolnion rogalationo.		
		-	
	AVFUEL		
		JolConter	
		STATISTICS.	
		0	
and the second se			
	25. FIRMS FROM SECTION C INVOLVED WITH THIS PRO		
(1) FIRM NAME	25. FIRMS FROM SECTION C INVOLVED WITH THIS PRO (2) FIRM LOCATION (City and State)	(3) ROLE	
		Environmental Site Asses	ssor
D. Aspen Environmental Consulting, LLC	Palm City, FL	Environmental Site ASSes	5501
Conodiany, LEO		STANDARD	FORM 330 (REV. 3/2013)



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	G. KEY PERSONNEL PARTICI	PATION	I IN EX	AMPL	E PRO	JECTS					
26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	(Fill i	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.)12345678910				leting				
		1					9	10			
Adolphine "Dodie" Keith- Lazowick, PMS	Principal in Charge	Х	х	х	Х	Х	Х	Х	х	Х	
James Thiele, PE	Senior Project Manager	Х	Х								
Alex Lazowick, PE	Assistant Project Manager	Х	Х	Х	Х	х					
Stephen Williams, PE	QA/AC Manager						Х				
Mark Castano, PE	Senior Engineering Manager		Х								
Susana Bernal, LEED AP	Project Engineer		Х								
Lee Powers, PSM	Project Surveyor & GIS Specialist	Х	Х	х	Х		Х	Х		Х	
Daniel Checchia	SUE Manager		Х	Х							
Johnathan Weymouth, PE	Senior Construction Engineering Manager		х	Х							
Morris Smith, Jr.	Senior Construction Inspector		х	Х	х						
Joseph Barbera, PE	Civil Engineer	Х	Х	х	Х	х					
Robert Overby, PE, LEED AP	Senior Aviation Engineer	Х									
Michael Strickler, PE	Aviation Engineer	Х	Х	х	Х	х					
Craig Twibell, PE, ACE	Senior Aviation Engineer Airfield Electrical Discipline Leader			Х							
Bradley Wente, PE	Senior Aviation Engineer Airfield Service Group Leader	Х	х	Х	х	х					
Raj Krishnasamy, PE	Geotechnical Engineering		Х					Х			
Kumar Vedula, PE	Geotechnical Engineering		х					Х		Х	
Jodi Beck	Environmental										Х

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	RUNWAY 9L-27R AIRFIELD MODIFICATIONS - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL)	6	BOMBARDIER AIRCRAFT SERVICE CENTER - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL)
2	NEW SOUTH RUNWAY 10R-28L - FORT LAUDERDALE- HOLLYWOOD INTERNATIONAL AIRPORT (FLL)	7	TAXIWAY ECHO REHABILITATION PROJECT - FORT LAUDERDALE EXECUTIVE AIRPORT (FXE)
3	TAXIWAY C WEST RECONSTRUCTION - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL)	8	RUNWAY 13/31 REHABILITATION - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL)
4	TAXIWAY C EAST RECONSTRUCTION - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL	9	TAXIWAY BRAVO REHABILITATION PROJECT - FORT LAUDERDALE EXECUTIVE AIRPORT (FXE)
5	RUNWAY 9L-27R EMERGENCY REPAIRS - FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT (FLL)	10	SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN FOR STUART JET CENTER AT WITHAM FIELD



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H. ADDITIONAL INFORMATION

With a longstanding history as one of the veteran civil engineering and consulting firms located in the County, KEITH AND ASSOCIATES, INC. is committed to exceeding the City's expectations for this contract. We have assembled a team of consultants that have worked together on many engineering project assignments and who provide relevant experience performing the exact type of work required under this RFP.

Over the last 18 years, KEITH AND ASSOCIATES and our supporting consulting team partners have successfully completed the design, permitting, construction and certifications of numerous projects at local airports. We understand the many challenges faced with improving and maintaining the transportation, utility infrastructures and along with the aviation infrastructure at these facilities and have demonstrated our ability to provide quality, functional designs, while maintaining budget parameters and expediting schedule requirements.



KEITH AND ASSOCIATES, INC. has been most effective in our various roles because we have built a truly local team focused on Broward County aviation projects. Our extensive aviation related experience provides us with a real understanding and respect for the numerous

stakeholders, consultants, contractors and agencies that must work concurrently, effectively and in harmony for airport improvement projects to culminate in success.

The KEITH AND ASSOCIATES. INC. team has experienced, technically skilled individuals who are readily available to provide the City of Fort Lauderdale with the services necessary to successfully complete the relocation of Taxiway Foxtrot. We have assembled the appropriate team members for each specific task areas and have the ability to provide additional professionals for any unique tasks that may arise. Our intimate knowledge of the City of Fort Lauderdale, coupled with our technical expertise, ensures that our approach and methodology will result in accurate documents and designs. The combination of our firm's local presence, experienced personnel, institutional experience and our reputation for quality and timely project completion as well as a proactive project approach, provides for a strong competent project team.

Our subconsultant team was selected with emphasis placed on professional consultants recognized as leaders in their field and experienced in servicing aviation contracts. Moreover, we have included RS&H, Tierra South Florida and Aspen Environmental because we have a proven record of having worked together successfully on projects, examples of which include the South Runway Expansion at Fort Lauderdale-Hollywood International Airport, Ravenswood Drainage Study at FLL, Taxiway Charlie West at FLL, Taxiway Charlie East at FLL, High Speed Taxiway at FLL and Bombardier at FLL. Our staff has been working together for several years, thereby cultivating relationships that allow for ease of communication and efficient allocation of responsibilities.



RS&H offers a deep bench of aviation specialists in all areas of design. In many industry circles, RS&H is considered the "go-to" airfield design firm, and is ranked by ENR magazine as the 8th largest aviation design firm in the United States. With its headquarters in Florida and a majority of its 170-plus associates dedicated to the Aviation Practice, RS&H is an integral part of the airport community in the State of Florida. RS&H has successfully completed several aviation projects for our 27 Florida airport clients and furthermore has completed the same type of project as this one right here in Broward County at FLL.



Tierra South Florida 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. TSF is an FDOT unlimited prequalified consultant to provide geotechnical services 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 & 10.3. Their staff currently includes

principal engineers and technicians certified through nation and state programs with over 28 years of experience in geotechnical, construction, laboratory and field materials testing and inspection services. Their in-house testing laboratory is AASHTO and ASTM certified by CMEC and validated by the FDOT.



Aspen Environmental Consulting, LLC (Aspen) is a full service environmental consulting firm. Aspen Environmental is a woman-owned small business and is a certified MBE company through the Office of Supplier Diversity. The personnel at Aspen Environmental are experienced in environmental site assessments, environmental planning and permitting, as well as compliance issues and have a high level of technical expertise, which facilitates speedy project reviews and eliminates costly delays. At

Aspen Environmental, we realize that our clients have unique and special needs inherent to the nature of their organization. Our services are tailored to provide a cost-effective and timely solution for each project. Aspen Environmental has the specialized staff and experience necessary to offer comprehensive environmental services to their clients and guide them through complex regulatory issues in an efficient manner.

AUTHORIZED REPRESENTATIVE

SIGNATUR 31

The foregoing is a statement of facts.

32. DATE October 31, 2016

NAME AND TITLE 33

Eliot Lazowick. Executive Vice President

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	ARCHI	TECT – ENGINEE	R QUA	LIFICAT	IONS		1. SOLICITATION NU 276-11830	JMBER (if any)	
		P	ART II – (SENERAL	QUALIF	ICATIONS	210-11000		
		(If a firm has branch o					ffice seeking work.)	
	R BRANCH OFF	TICE) NAME		H			3. YEAR ESTABLISH	IED 4. DUNS	NUMBER
	d Associate	es, Inc.	ociates, engine	ers			1998		I/A
2b. STREET								OWNERSHIP	
	Atlantic Bo	ulevard		1	-		a. TYPE Corporation		
2c. CITY	Decel			2d. STATE	2e. ZIP (
Pompano				FL	33060		b. SMALL BUSINESS	STATUS	
		AME AND TITLE eith-Lazowick, PLS, P	resident				DBE		
	ONE NUMBER		E- MAIL AD				7. NAME OF FIRM (if N/A	DIOCK 2a IS a Dranc	n omice)
954-788-3			keith@ke	ith-associa	ates.cor	<u>n</u>			
	FIRM NAME(S) (If any)					8b. YR. ESTABLISH		
N/A							N/A	N	/A
	9.	EMPLOYEES BY DISCIPLINE	,				OFILE OF FIRM'S EXPI VERAGE REVENUE FO		
a. Function			c. No. of	Employees	a. Profile				c. Revenue Index
Code		b. Discipline	(1) Firm	(2) Branch	Code		b. Experience		Number
02	Administr	ativo	9		A06	Airporte: T	erminals and Han	aara	(see below) 6
	CADD Te		6	1	B02			iyais	2
08	-					Bridges			
12	Civil Engi		7	1	C07	Coastal En		.	2
15		ion Inspector	7		C10		al Building (Low F	kise)	5
16		ion Manager	2		C11	Community			6
29	G.I.S. Spe		2		C15		on Management		6
38		/eyor, PLS	5	1	C16		on Surveying		4
39	Landscap	e Architect, RLA	2		E02	Educationa	al Facilities		4
47	Planner: I	Jrban/Regional	2		F02	Field Hous	es; Gyms; Stadiu	ims	3
48	Project M	anager	6		G04	G.I.S. Serv	rices; Developme	nt, Analysis	2
53	Schedule	r	1		H07	Highways,	Streets, Airfield F	Paving	4
	Landscap	e Designer	3		H09	Hospitals 8	Medical Facilitie	es	3
	Project S	-	3		106	Irrigation; Drainage		3	
	Survey Fi		22	3	L03		Architecture		5
		e Utility Engineer	2		P05	· · ·	Community, Regi	ional)	3
		ce Utility Field Crew	6		R03		Rapid Transit		3
	Utility Cod		3		R04		Facilities (Parks,	Marinas etc)	4
	VDC/BIM		1	1	S10	1	Platting; Mapping		3
				1	S10		er handling & Fac		3
							0		
					T04		ic Surveying & M		4
					W03	· · · · ·	ply; Treatment &	Distribution	2
		Total	89	7	Z01		nd Use Studies		2
1		ERAGE PROFESSIONAL REVENUES OF FIRM			PROFE	SSIONAL SER	/ICES REVENUE INDE	EX NUMBER	
().	FOR	LAST 3 YEARS	1.	Less than \$	100,000		6. \$2 millior	n to less than \$5 m	illion
a. Federal Wo		dex number shown at right) N/A	2. 3.	\$100,000 to \$250,000 to				n to less than \$10 on to less than \$25	
b. Non-Feder		8	4.	\$200,000 to		. ,		on to less than \$50	
c. Total Work		8	5.	\$1 million to			10. \$50 millio		
	1	0	12 AU	HORIZED RE	DRECENT	ATIVE			
				regoing is a st					
a. SIGNATUF	1/	h					b. I	DATE	
Zhit	Lajouile	K					1	0/31/16	

c. NAME AND TITLE Eliot Lazowick, Executive Vice President



STANDARD FORM 330

ARCHITECT – EN	1. SOLICITATION NUMBER (If any)				
	PART II – GENERA	L QUALIFICATIO	NS		
(If a firm has l	branch offices, complete for	each specific bran	nch office seeking wor	k.)	
2a. FIRM (OR BRANCH OFFICE) NAME RS&H, Inc.				DUNS NUMBER 096085253	
2b. STREET 3125 West Commercial Bouleva	5. OWNERSHIP a. TYPE				
2c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33309-3448	Corporation b. SMALL BUSINESS STATUS		
6a. POINT OF CONTACT NAME AND TITLE			No		
John Carrigan, PE, LEED AP, Av	viation Structural Engineer		7. NAME OF FIRM (If block 2a is a branch office) RS&H, Inc.		
6b. TELEPHONE NUMBER 954.236.7396	6c. E-MAIL ADDRESS John.Carrigan@I	rsandh.com			
8a. FORI	MER FIRM NAME(S) (If any)		8b. YR. ESTABLISHED	8c. DUNS NUMBER	
Reynolds, Smith and Hills, Inc.			1990	Unchanged	

	F FIRM'S EXPERIENCE AN E REVENUE FOR LAST 5 YE	
b.	. Experience	c. Revenue Index Numbe (see below)
idges		5
vironmental Imp	pact Studies, Assessments	2
arages; Vehicle I	Maintenanace Facilities;	1
ating, Ventilatin	ng, Air Conditioning	1
ghways; Streets	; Airfield Paving; Parking	7
anning (Commu	inity; Regional; Areawide &	2
affic & Transport	tation Engineering	8
nnels & Subway	ys	1
5	ERVICES REVE	ERVICES REVENUE INDEX NUMBER

FOR LAST 3 YEARS (Insert revenue index number shown at right)

1

6

6

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

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

7. \$5 million to less than \$10 million

8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million

DATE

10/17/16

6. \$2 million to less than \$5 million

10. \$50 million or greater

SIGNATURE a.

a. Federal Work

c. Total Work

b. Non-Federal Work

ming

c. NAME AND TITLE

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John Walz, PE - Vice President, Aviation

AUTHORIZED FOR LOCAL REPRODUCTION

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STANDARD FORM 330

ARCHITECT – ENGINI	1. SOLICITATION NUMBE	1. SOLICITATION NUMBER (If any)				
(If a firm has branch	DNS nch office seeking worl	(.)				
2a. FIRM (OR BRANCH OFFICE) NAME RS&H, Inc.	3. YEAR ESTABLISHED DUNS NUMBER 1990 613387281					
2b. STREET				5 OWN	IERSHIP	
,	10748 Deerwood Park Boulevard, South					
2c. CITY		2d. STATE	2e. ZIP CODE			
Jacksonville FL 3				b. SMALL BUSINESS STATUS No		
6a. POINT OF CONTACT NAME AND TITLE				110		
John Carrigan, PE, LEED AP, Aviation	Structural E	Ingineer		7. NAME OF FIRM (If block 2a is a branch office) RS&H, Inc.		
6b. TELEPHONE NUMBER	6c. E-MA	IL ADDRESS				
954.236.7396	Joh	n.Carrigan@r	sandh.com			
8a. FORMER FIR	8a. FORMER FIRM NAME(S) (If any)					
Reynolds, Smith and Hills, Inc.				1990	Unchanged	

	9. EMPLOYEES BY DISCIP	LINE		10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS				
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)		
02	Administrative	101 60			Design-Build	6		
06	Architect	88	33		Engineering Consultations and Reports	6		
16	Construction Manager	23	4	A05	Airports; Navaids; Airport Lighting; Aircraft	6		
07	Biologist	0	0	A06	Airports; Terminals; & Hangers; Freight	8		
08	CADD Technician	31	13	B02	Bridges	4		
12	Civil Engineer	176	30	C10	Commercial Building; (low rise); Shopping	4		
15	Construction Inspector	130	4	C13	Computer Facilities; Computer Service	6		
21	Electrical Engineer	21	15	C15	Construction Management	4		
24	Environmental Scientist	19	6	E02	Educational Facilities; Classrooms	6		
25	Fire Protection Engineer	3	2	E07	Energy Conservation; New Energy Sources	6		
29	Geographic Information System	2	0	H07	Highways; Streets; Airfield Paving; Parking	8		
37	Interior Designer	9	5	101	Industrial Buildings; Manufacturing Plants	4		
39	Landscape Architect	3	2	105	Interior Design; Space Planning	5		
42	Mechanical Engineer	41	17	L01	Laboratories; Medical Research Facilities	5		
47	Planners: Urban/Regional	42	10	O01	Office Building; Industrial Parks	6		
56	Specifications Writer	36	32	P05	Planning (Community; Regional; Areawide &	7		
57	Structural Engineer	69	27	P06	Planning (Site, Installation and Project)	4		
58	Technician/Analyst	26	17	T03	Traffic & Transportation Engineering	6		
60	Transportation Engineer	86	16		Architectural Consultation/Surveys	4		
62	Water Resources Engineer	24	8		Land Subdivision and Development	5		
	Other Employees	16	7		Management	8		
	Total	946	308		Financial Establishments (Banks)	6		

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

a. Federal Work	7
b. Non-Federal Work	10
c. Total Work	10

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

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

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



c. NAME AND TITLE

John Walz, PE - Vice President, Aviation

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10/17/16

DATE

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ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR E	BRANCH OFFI	CE) NAME						3. YEAR ESTABLI	ISHED	4. D	UNS NUMBER
TIERRA S	OUTH FLC	RIDA, IN	2003		829	9296222					
2b. STREET									5. OWNE	RSH	IIP
2765 Vista F	Parkway, Su	iite 10						a. TYPE			
2c. CITY					2d. STATE	2e. ZIP C	ODE	Corporation			
West Palm	Beach				FL	33411		b. SMALL BUSINE	ESS STATU	s	
6a. POINT OF	CONTACT NAM	ME AND TITI	E		1			FDOT UCP DE			
Raj Krishna	Raj Krishnasamy, P.E., President/Principal Engineer								orida Statewide OSD MBE		
								7. NAME OF FIRM	1 (If block 2a N/A		branch office)
6b. TELEPHON	NE NUMBER		6c. E-MAIL ADD	RESS					IN/ <i>F</i>	4	
(561) 687-8	536		Raj@TierraS	F.com							
		8a. F	ORMER FIRM	NAME(S) (If	any)			8b. YR. ESTABI	LISHED	8c.	DUNS NUMBER
			N/A		••			N/A			N/A
	9. EI	MPLOYEE	ES BY DISCIPL	INE		AN		FILE OF FIRM'S ERAGE REVEN			
a. Function				c. No. of	Employees	a. Profile					c. Revenue Index
Code		b. Discipli	ne	(1) FIRM	(2) BRANCH	Code		b. Experience		Number (see below)	
2	Administra	ative		6	6	S05	Soils	and Geologic Studies;			(see below) 6
2	/ tarriniou c			Ū	Ŭ	000	Founda				Ū
8	CADD Teo	chnician		2	2	T02	Testing	and Inspection Services			6
27	Foundatio	n/Geotech	nnical Eng	5	5			•			
58	Techniciar	n/Analyst		30	30						
58	Techniciar	n/Inspecto	r	6	6						
			Total	49	49						
11 ANNI	JAL AVERA			43	-		SERVICE	S REVENUE IN			Ð
	/ICES REVE			1. Les	s than \$100.			6. \$2 million t			
	FOR LAST				0,000 to less			7. \$5 million t			
(Insert reve	enue index r	number sh	own at right)		50,000 to less	,		8. \$10 million	to less th	nan \$	25 million
a. Federal V	Vork		6		00,000 to less			9. \$25 million			50 million
b. Non-Fede			6	5. \$1	million to less	than \$2 mi	llion	10. \$50 million	or greate	ər	
c. Total Wor	rk		6		_						
					ORIZED RE						
a. SIGNATURE		1			-				b. DATE		
	- ont	5							October	21, 2	2016
	1										
c. NAME AND	TITLE										

Raj Krishnasamy, P.E., President/Principal Engineer





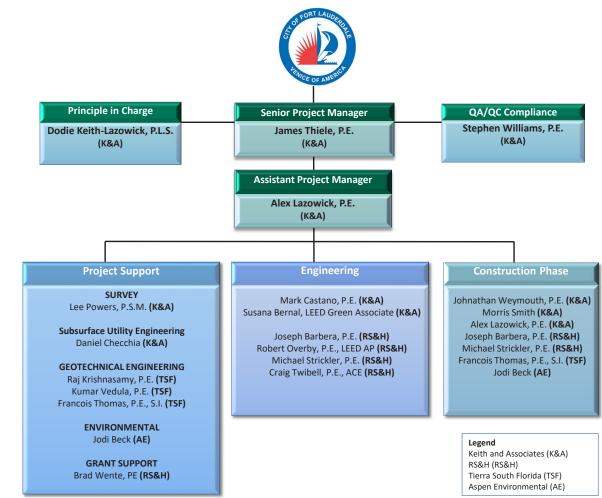
STANDARD FORM 330

			•	1. SOLICITATION NUMBER (If any)				
A	RCHITECT-EN		ALIFIC	ATION	5	276-11830		
	(If a firm has		-		LIFICATION	S h office seeking work.,)	
	RANCH OFFICE) NAME				•	3. YEAR ESTABLISHED		JNS NUMBER
spen Enviro	onmental Consulting	, LLC			ben			
			E	NVIRONM ONSULTIN	IG, LLC			
						2007	01350)1301
b. STREET						5. OW	/NERSHI	IP
P.O. Box 2753	3					a. TYPE		
						Single-member LL	.C	
c. CITY Stuart			2d. STATE FL	E 2e.2	ZIP CODE 34995-2753	b. SMALL BUSINESS STAT Small minority own		siness
					01000 2100	-		
Jodi Beck,	ONTACT NAME AND TITLE President	-				7. NAME OF FIRM (If bloc	CK 2a IS a	a branch office)
			4000500					
b. TELEPHONE 772-233-72			ADDRESS	environm	ental.com			
		IER FIRM NAME(S) (A				8b. YR. ESTABLISHED	8c. D	UNS NUMBER
			p			ILE OF FIRM'S EXPERI		
	9. EMPLOYEES BY D	-				RAGE REVENUE FOR I	LAST 5	YEARS
a. Function Code	b. Discipline	c. No. of Empl (1) FIRM (2	loyees 2) BRANCH	a. Profile Code		b. Experience		c. Revenue In Number
24	Environmental Scientist	1	N/A	E09	Enviro	nmental Site Assessm	ents	1
	Coloniat	<u>+</u>		E12	Enviro	nmental Remediation		1
		+		E13	Enviro	nmental sampling and		1
				L10	data a			I
						ous Materials Handlin	ıg	1
					and St	orage		
		+						
		┥───┝						
		+						
		+						
							T	
	Total	1						
	/ERAGE PROFESSIONAL S REVENUES OF FIRM		PROFE	SSIONAL	SERVICES RE	EVENUE INDEX BY NUM	IBER	
FOR I	LAST 3 YEARS	1. Less than S				. \$2 million to less than		
	dex number shown at right)	2. \$100,000 to 3. \$250,000 to				 \$5 million to less than \$10 million to less that 		
a. Federal Work b. Non-Federal V	11// 1	4. \$500,000 to				. \$25 million to less than	າ \$50 m	illion
c. Total Work	1	5. \$1 million to	o less than	\$2 million	1	0. \$50 million or greater		
		12.	AUTHORIZE		ENTATIVE			
			ne foregoing is					
. SIGNATURE						b. DATE		
Joch	· Beck_					10/1	2/10	
. NAME AND T	ITLE							
	k Owner							
Jodi Bec								
Jodi Bec	R LOCAL REPRODUCTIO	N				STAN	DARD	FORM 330

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Our subconsultant team was selected with emphasis placed on professional consultants recognized as leaders in their field and experienced in servicing aviation contracts. Moreover, we have included **RS&H**, **Tierra South Florida** and A**spen Environmental** because we have a proven record of having worked together successfully on projects such as the South Runway Expansion at FLL, Ravenswood Drainage Study at FLL, Taxiway Charlie West at FLL, Taxiway Charlie East at FLL, High Speed Taxiway at FLL and Bombardier at FLL. Our staff has been working together for several years, thereby cultivating relationships that allow for ease of communication and efficient allocation of responsibilities.





ORGANIZATIONAL CHART



MANAGEMENT TEAM (FOR RESUMES, PLEASE REFER TO SF 330)



DODIE KEITH-LAZOWICK, P.L.S. will serve as the Prinipalin-Charge ensuring sufficient resource allocations, a corporate commitment to guarantee responsive service and a work product that meets the highest professional standards. Ms. Keith-Lazowick has personally served as the Principal-in-Charge and Co-Project Manager for all of the

Firm's airport engineering services contracts to date.

Ms. Keith-Lazowick is well known to the community and the agencies through her years of professional practice, local involvement and as a 55+ year resident of Broward County. Her extensive experience in South Florida has encompassed many phases of planning, design and construction including Civil Engineering, Surveying and Mapping, Comprehensive Land Planning, Landscape Architecture, Subsurface Utility Locations and Utility



JAMES THIELE, P.E. will serve as the Senior Project Manager and Engineer-of-Record for the Team. Mr. Thiele has over 37 years of experience managing and performing, planning, design and construction administration of civil engineering, transportation, utility and aviation improvement

projects. Over the last 4 years, he has served in the role of Senior Project Manager for all of KEITH AND ASSOCIATES's ongoing airport engineering services including airfield and landside paving, transportation and utility projects at FLL.

KEITH AND ASSOCIATES commits Mr. Thiele for the entire duration of the assignment and understands the importance of his personal commitment to the contract's success. He is responsible for coordinating and managing all sub-consultant partners, as well as Keith and Associates staff assigned to the project. He will ensure that all tasks are completed in a timely and effective manner, that proper communication and coordination are maintained and that all project activities are accurately documented. He will be involved in every aspect of each assignment from design start-up through project closeout to ensure the highest quality project in the most responsive and timely manner.

Mr. Thiele has an excellent record of establishing project budgets/schedules and maintaining those budgets/ schedules throughout construction. With his particular attention to details, he has provided quality workmanship, including clear design solutions that allow for expedited Coordination, and Construction Management. As a Senior Project Coordinator-Manager, she has supervised and provided complete development services of both public and private projects for commercial, industrial, transportation, aviation, marine, mixed-use and residential developments. She has particular expertise in governmental liaison and has been extremely successful as an advocate for the permitting and approvals of our projects due to her professional proactive approach. FXE is our airport too and the success of these projects are a matter of pride to KEITH AND ASSOCIATES, INC. and our team. It has always been Ms. Keith-Lazowick's personal goal to maintain the integrity of KEITH AND ASSOCIATES, INC. as was established by its founder, Bill Keith, who engaged his life and reputation to working in and for Broward County.

"

My commitment to the City of Fort Lauderdale and to the staff at FXE is to ensure our deliverables, along with our service, surpass your expected standards.

agency permitting and result in minimal contractor change orders that generally pertain to unforeseen existing conditions.

Mr. Thiele's project management approach which includes stewardship, oversight, leadership, technical support and promotion of continuous quality control and improvement measures. He understands that public agency project oversight requires accountability that must be documented throughout the project and practiced by each of the team members. The key to a successful project management program is the acceptance of responsibility and accountability by the project/contract staff, and support from the client's management staff.

Mr. Thiele's strengths include his responsiveness to the client, his ability to direct and coordinate team members, his ability to manage projects within schedule and budget, his ability to think outside the box and his desire to tackle challenging tasks.

"

My commitment to the City of Fort Lauderdale and to the staff at FXE is to work as a trusted partner, as an extension of your staff and to provide 110% to always live-up to your expectations.



MANGEMENT TEAM (FOR RESUMES, PLEASE REFER TO SF 330)



ALEX LAZOWICK, P.E. will serve as the Assistant Project Manager. As one of Keith and Associates' Lead Aviation Engineers, he will ensure the timely success of this project. His six years of aviation experience includes project management, drainage design, flood analysis, hydrologic

modeling, environmental permitting and construction administration services. His responsibilities will range from project coordination, drainage modeling and plans preparation. Further Mr. Lazowick has in-depth experience with the FAA's Series 150 Advisory Circulars and permitting through SFWMD. and BCEPGMD.

Mr. Lazowick's field construction supervision and inspection experience includes a diverse array of project classifications from aviation, roadway, recreational, residential, commercial and governmental projects. His responsibilities consist of confirming contract compliance with plans and specifications, measurements and quantities, tracking critical activities, document events, resolving discrepancies, daily reports, record as-built plans and specifications, schedule testing and certifications and safety. He has been authorized by Homeland Security for FAA Air-side Airport Access and Escort Clearance and Movement Ramp Driving at Fort Lauderdale Hollywood International Airport and is familiar with Airside Operations policies and procedures. His qualifications include knowledge with AutoCAD Civil 3D, Navisworks, Revit, BIM, ArcGIS and computer networking

"

My commitment to the City of Fort Lauderdale and to the staff at FXE is to always deliver technically sound data, on time.



STEPHEN WILLIAMS, P.E. will serve as the QA/QC Manager. He will be responsible for implementing our QA/QC plan. Mr. Williams has over 38 years of experience in engineering design and contruction in South Florida. He approaches each tasks with the mindset that "Quality

is not an act. It is a habit." He has been instrumental in the establishment and implementation of the firm's Quality Assurance/Quality Control (QA/QC) Program that is implemented throughout the implementation process through project delivery. Quality is achieved by conveying the scope and special instructions to the office and field staff together with regular reviews of their continued work effort and progress. He regularly performs independent reviews of all work products in various stages of development

Within the Keith and Associates' Team, quality is everyone's responsibility. The Quality Officer, further confirms all members of the Team are performing intermediate and daily reviews based on the Six Sigma DMADV (Define, Measure, Analyze, Design, and Verify) methodologies. This comprehensive program ensures that the final product is prepared to the highest quality standards.

Keith and Associates believes that having a professional engineer with in-depth experience in transportation, including experience with the various local agencies' standards and requirements, is of great importance to the Team. Mr. Williams has years of experience in managing large teams on multi-task contracts. He is well versed in the guidelines, design, standards, policies and procedures of Broward County, State and Federal agencies. His recreational, transportation and site projects have included engineering design and analysis (paving, grading, drainage, water, sanitary sewer design and construction administration) for various municipalities, airports, schools, FDOT, private/commercial clients as well as Broward County.

"

My commitment to the City of Fort Lauderdale and to the staff at FXE is to use my expertise to provide the highest quality and most reliable contract documents.



KEY TEAM MEMBERS' ROLES (FOR RESUMES, PLEASE REFER TO SF 330)



MARK CASTANO, P.E. has more than 19 years of experience in Civil Engineering projects throughout South Florida. His qualifications include planning, engineering design, permitting, construction administration and project management for a variety of Civil Engineering projects. His experience includes designing

and managing a wide variety of public and private land development (residential, commercial, institutional and industrial) projects. He has extensive technical knowledge in water distribution systems, stormwater management systems, sanitary sewer systems including sewer lift stations, gravity sewers and force mains, roadway design throughout Miami-Dade, Broward, and Palm Beach counties.



LEE POWERS, P.S.M. will serve as Project Surveyor. Mr. Powers has over eleven years of experience in land surveying and mapping in South Florida. Since 2009, he has served as a Project Surveyor and GIS Specialist with Keith and Associates. He has extensive Project Management experience for large-scale projects and continuing service type contracts. He is knowledgeable in the use of

a wide range of state-of-the-art surveying and mapping equipment and associated computer technologies. He has extensive experience in field crew supervision, quality control and client relations. He has completed projects at FLL, MIA and PBI.



MORRIS SMITH, JR. will serve as Senior Construction Inspector. He has more than 20 years of experience in performing construction inspections. Mr. Smith served as a Senior Construction Inspector under our subconsultant agreement with the General Engineering prime

consultant for the Fort Lauderdale/Hollywood International Airport Capital Improvement Projects. He provided various CEI functions for multiple construction projects including taxiways and runway rehabilitations. His current capacity of Senior Construction Inspector requires monitoring and inspection of all phases of construction work, as well as coordination with clients, contractors, public agencies, utilities and affected property owners.



SUSANA BERNAL, LEED GREEN ASSOCIATE has more than 20 years of experience includes civil engineering design, project administration, preparation of qualification packages and bid evaluations for all types of public and institutional areas including all aspects of site planning, grading and drainage, roadways,

sanitary sewer collection, water distribution system design, structures, hydroelectricity, water distribution systems, substations, and construction supervision services. Further she has in-depth experience in the use computer-aided drafting and design (CADD) programs including Microstation and AutoCAD Civil 3D. She has been the Project Engineer for a variety of projects at FLL.



DANIEL CHECCHIA has over 19 years of experience in transportation engineering, surveying, civil design and construction related fields, the last eight years of which have been focused on Utility Coordination and Subsurface Utility Engineering. His duties are to oversee the day-to-day operations of all Subsurface

Utility Engineering and Coordination projects for our firm. He is responsible for assisting clients with utility research, identification, data management and coordination. He has completed projects at FLL, FXE, MIA and PBI.



JONATHAN, WEYMOUTH P.E. will serve as Senior Engineering Construction Inspector. He has more than 25 years of experience in the planning, design, permitting and construction of heavy transportation, utility as well as all types of civil and environmental engineering projects. Work involved the supervision of

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engineering and technical personnel engaged in the design and construction of public and private sector improvements. His past projects include major transportation infrastructure projects such as airports, bridges, highways and roadways. The design/permitting/construction experience that Mr. Weymouth brings to the team regarding key elements related to the Expansion of Runway 10L-28R Program at FLL will be highly valuable. Additionally, he has extensive knowledge and effective experience coordinating with permitting and federal agencies such as FDOT and FAA. He is very familiar and fully qualified to implement and control the guidelines and requirements established by these agencies.



KEY TEAM MEMBERS' ROLES (FOR RESUMES, PLEASE REFER TO SF 330)



JOSEPH J. BARBERA, P.E. Mr. Barbera serves as a Civil Engineer for RS&H's Aviation Practice and is responsible for civil engineering assignments consisting of various tasks in design, plan and specification development, and construction administration with projects involving drainage, grading, airfield

geometry, navigational aids, airfield lighting, marking, pavement design, and cost estimation for RS&H's Aviation Practice. He has seven years of experience providing project engineering and resident project representation on a variety of projects. His experience includes aspects of engineering planning, design, construction administration, and project inspection.



MICHAEL S. STRICKLER, P.E. Mr. Strickler serves as an Aviation Engineer for RS&Hs Aviation Practice whose responsibilities consist of project design and development including all aspects of grading, drainage, geometry and pavement design, as well performing construction inspection and management for all project aspects. He has 11 years of experience providing project engineering services

on a variety of projects which encompass all aspects of engineering design and construction administration.



BRADLEY J. WENTE, P.E. Senior Aviation Engineer, Airfield Service Group Leader for RS&H. Mr. Wente has 22 years of aviation consulting experience focused entirely on airport planning, design and construction. His primary responsibilities include technical oversight and management for aviation design and construction engineering projects. His engineering experience includes many runway,

taxiway and apron rehabilitations, extensions and new construction at commercial service airports, runway and taxiway lighting, navigation aids, airfield lighting control systems and terminal building modifications. He is an expert pavement engineer and has experience with new construction, rehabilitation and recycling techniques. As an experienced general consultant, Mr. Wente is actively involved with FAA's Airport Improvement Program (AIP) grant funding including preparing grant applications, grant "drawdowns", quarterly reporting, amendments and close out documents. Mr. Wente maintains an excellent relationship with FAA staff.



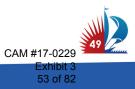
ROBERT B. OVERBY, P.E., LEED AP Mr. Overby serves as a Senior Aviation Engineer for RS&H and is responsible for client and project management including plan and specification development for projects involving drainage, grading, airfield lighting and marking, airfield geometry,

pavement design, cost estimation and landside airport development for RS&H'S Aviation Practice. Additionally, he has been responsible for multiple grant management and support for airports throughout the State of Florida and the country. He has 19 years of experience serving as Client Manager, Project Engineer and Project Manager on a variety of engineering and planning projects. His duties encompass all aspects of airside and landside engineering design and airport planning.



CRAIG A. TWIBELL, P.E., ACE Airfield Electrical Discipline Leader, Senior Aviation Engineer for RS&H. Mr. Twibell has more than 17 years of experience with a variety of airfield electrical projects, including runway and taxiway lighting and signage systems, precision and visual

navigational aids, 400Hz ground power systems, electrical vaults, and airfield lighting control and monitoring systems. Mr. Twibell is familiar with Federal Aviation Administration, International Civil Aviation Organization, and Unified Facilities (Department of Defense) technical specifications, publications and criteria, and has completed product research, engineering studies, conceptual design, bid documents, and construction documentation and administration for airport facilities. Mr. Twibell has extensive experience with AGI32, AutoCAD, MicroStation, Primavera, Visual and other office programs.



KEY TEAM MEMBERS' ROLES (FOR RESUMES, PLEASE REFER TO SF 330)



RAJ KRISHNASAMY P.E. oversees the geotechnical engineering, construction materials testing, and inspection services operations for Tierra South Florida. He has worked on over 140 aviation projects throughout the state and is the Lead Geotechnical Engineer on numerous aviation continuing

contracts including: "Professional Consultant Services for Fort Lauderdale-Hollywood International Airport and North Perry Airport, Building Projects", "Palm Beach County Department of Airports General Consultant Services" and the City of Fort Lauderdale's "Aviation Consulting Services, General Engineering" amongst others.



FRANCOIS THOMAS, P.E., S.I. Principal Engineer/ Materials Special Inspector for **Tierra** South Florida. He will serve as the Senior Project Engineer for Materials Testing Services. Mr. Thomas has 23 years of experience geotechnical engineering, in construction materials testing and

inspection services, managing numerous projects involving subsurface investigation, laboratory testing programs and evaluating construction activities throughout South Florida. He has extensive experience in deep and shallow foundation systems, soil stabilization methods, grouting, and pavement sections evaluation. He has been involved in construction/ foundation installation for airport, commercial, municipal, healthcare, retail and school facilities, and has monitored the construction of a large number of civil and structural designs involving earthwork, concrete, masonry and asphalt operations. Mr. Thomas has worked on over 50 aviation projects throughout the state of Florida, including providing materials testing and inspections servic Mr. Thomas has overseen services including inspection of asphalt plant supplier, density tests, LBR/CBR/FBR tests, inspection and asphalt testing, miscellaneous concrete tests, earthwork monitoring/testing, witnessing of asphalt core drilling and delivery to plant, issuance of daily reports in FAA format, etc. He is extensively familiar with the unique demands of



KUMAR VEDULA, P.E. serves as Principal Geotechnical Engineer for Tierra South Florida. He has over 20 years of experience providing engineering services for a wide variety of geotechnical projects involving foundation design, slope stability analysis,

WEAP analysis and interpreting PDA reports, excavation support and construction inspection. His extensive experience includes foundation inspections (shallow and deep foundations), soil modification (dynamic compaction, stone columns), preloading, excavations, backfilling and post construction monitoring



JODI BECK is an environmental scientist and project manager with Aspen Environmental Consulting. She has over 17 years of experience in conducting environmental site assessments (ESAs), including Phase I and Phase II ESAs, analyzing the results, and developing reports following appropriate ASTM and other

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regulatory guidelines. She is familiar with the current ASTM E-1527 standard, as well as EPA's All Appropriate Inquiry Rule (40 CFR Part 312) and qualifies as an Environmental Professional, as specified in EPA's All Appropriate Inquiry Rule. She has performed soil and groundwater sampling using a variety of sampling methods at numerous facilities and has supervised site remediation activities (e.g., tank removals, PCB cleanup). In addition, she also has experience performing human health risk assessments, which include vapor intrusion modeling, examining the fate and transport mechanisms of various contaminants, and developing site specific target cleanup levels. She is also familiar with the underground storage tank closure regulations and has played a key role in obtaining several No Further Action letters. Ms. Beck is the founder of Aspen Environmental Consulting, LLC.

The strength of an organization can be measured by the character of its staff. Our dynamic team includes professionals that share a belief in technical excellence, innovation, integrity and customer service.

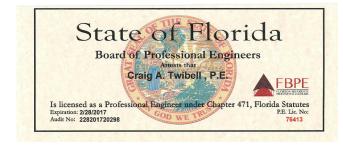


TEAM MEMBERS LICENSES

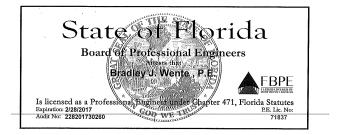




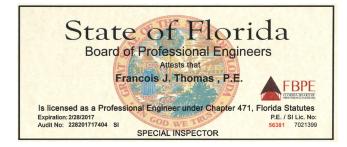
TEAM MEMBERS LICENSES











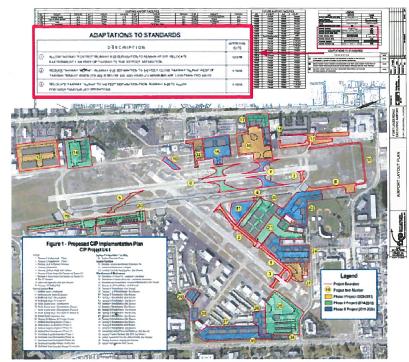




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FORT LAUDERDALE is a general aviation airport owned and operated by the City of Fort EXECUTIVE AIRPORT Lauderdale (City). FXE ranks as one of the busiest general aviation airports in the country with more than 165,000 annual operations. It is the busiest

general aviation facility for U.S. Customs passenger and aircraft clearings. As shown in the 2009 *Strategic Business Plan & Master Plan Update*, the number of operations is expected to continue to increase relating in the need for additional FBOs, taxiways, landside facilities and other improvements to handle the additional capacity.



In 1996 an adaptation to the FAA's standards was approved, recorded and shown on FXE's Airport Layout Plan (ALP), allowing Taxiway Foxtrot's separation to Runway 9-27 to remain at 305'. With the substantial growth at FXE from 1996 to now and the anticipated future growth shown in the Master Plan, now is the perfect time to obtain FAA and FDOT grants to relocate Taxiway Foxtrot and upgrade the Taxiway intersections to comply with the updated FAA Advisory Circular 150/5300-13A – change 1

OUR TEAM

The KEITH AND ASSOCIATES, INC. team has experienced, technically skilled individuals who are readily available to provide the City of Fort Lauderdale with the services necessary to successfully relocate Taxiway Foxtrot for FXE. We have assembled the appropriate team members for each specific task areas and have the ability to provide additional professionals for any unique tasks that may arise. Our intimate knowledge of the City of Fort Lauderdale, coupled with our technical expertise, ensures that our approach and methodology will result in accurate documents and designs. The combination of our firm's local presence, experienced personnel, institutional experience and our reputation for quality and timely project completion, as well as a proactive project approach, provides for a strong competent project team.

We have selected RS&H as our key sub-consultant. The KEITH AND ASSOCIATES, INC. and RS&H team have established a successful aviation partnership dating back to the early 2000's. We have seamlessly worked together for many years as responsible stewards of our clients' budgets and schedule commitments, while consistently providing the most efficient engineering designs.



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KEITH AND ASSOCIATES, INC. and RS&H have worked on numerous Fort Lauderdale Executive Airport (FXE) projects. This work has included Engineering, Surveying and Subsurface Utility Engineering services. We have also worked on numerous other projects together throughout Fort Lauderdale including on our current General Engineering Consultant contract for Fort Lauderdale-Hollywood International Airport (FLL) and North Perry Airport (HWO). As a result of our extensive experience, we are thoroughly familiar with the permitting of all local and state agencies involved in the relocation of Taxiway Foxtrot, including the FAA.



No team can match our years of carefully fostered management practices, coupled with the passion, commitment and strong work ethic of the Keith and Associates and RS&H staff

PROJECT MANAGEMENT

KEITH AND ASSOCIATES, INC. understands it is imperative to have senior staff members overseeing the planning,

grant acquisition, major design, permitting and construction components of all projects. This corporate philosophy results in an extremely efficient and responsive project management approach, as well as superior project designs prepared on time and within budget. As one of the veteran Broward-based engineering firms, we have provided Engineering Services as a prime consultant for numerous governmental agencies for decades. Mr. Bill Keith, followed by Ms. Dodie Keith-Lazowick, have spent their entire careers right here in Broward County, providing high quality projects time and again for our clients.



KEITH AND ASSOCIATES, INC.'s approach to this contract includes quality responsiveness and skilled management combined with the technical ability and level of experience that will provide superior service to FXE. We are extremely proud of our accomplishments as a Local, Mid-Size Business in Broward County and truly believe our commitment and dedication to the success and progress of our County makes us the best choice for this contract.



The Keith and Associates Team will implement a rigorous communication protocol among all project participants. The basis of our management approach will focus on managing communication between our team and FXE, as follows:

- Provide a Single Point of Contact Senior Project Manager, Mr. James Thiele, P.E., experienced with Fort Lauderdale, Broward County, SFWMD and FAA personnel, policies and procedures
- Stress early planning and scheduling
- ▶ Identify affected stakeholders and provide clear lines of communication to all, as required
- Understand the objectives of the project and assure that all project stakeholders have the same level of commitment and expectation in executing the scope of work
- Schedule periodic progress meetings
- Establish strong, ongoing working relationships with the FXE staff

Our approach to this management plan is one that has proven successful with many projects. We will schedule all meetings in coordination with FXE staff, conduct the meetings, provide agendas and meeting materials, record and submit minutes for review/approval and then distribute those minutes to the appropriate parties.

We will establish clear lines of communication and review procedures among team members to ensure the continuous and timely flow of work in the planning and design phases. We will work closely with staff from FXE's Capital Improvement Program, Maintenance, Operations and Planning departments to ensure that the project's scope and objectives are well understood.

APPROACH

Our approach to every project begins with a "No Excuses" methodology. We bring a unique combination of top quality consultants with years of in-depth aviation experience under the leadership of KEITH AND ASSOCIATES, a firm you know you can trust with your most important projects.

GRANT SERVICES

RS&H assists dozens of airports throughout the country each year with FAA, state, and other grant applications. The major steps of the grant management process include financial planning, application drafting, and administration. Particularly for FXE, RS&H's knowledge and experience in navigating all stages of the grant process in the State of Florida will be particularly beneficial. **Mr. Robert Overby** has provided assistance with grant applications for numerous airports in Florida, including Tallahassee (TLH) and Ocala (OCF). Assistance varies from completely developing the grant application, communicating with the applicable agencies, managing the grant requirements during the project to promptly providing closeout documents.

For this project at FXE, RS&H's relationships with the granting agencies and personnel, knowledge of the process for Florida airports and stewardship of the project from start to finish for grant compliance will provide with a dependable and efficient process throughout the course of the project. Most importantly, careful preparation throughout the course of the project will allow for prompt submittal of closeout documents to not impact future grants and ensure amicable closeout from the granting agency.

RS&H has extensive experience working through this process. Occasionally, grant development requires the additional expertise of understanding how the FAA views specific types of projects and how project justification can be enhanced

to increase the potential for funding. A valuable service that RS&H offers is helping the County and FXE staff in the development and implementation of a progressive and viable Capital Improvement Program (CIP). When it comes to expertise in funding, RS&H is simply unmatched. **Mr. James E. Borsari**, the former National Program Manager of the FAA's Airport Improvement Program and an RS&H associate, co-authored the Airport Improvement Handbook and is a crucial element of the RS&H Team's ability to work with

RS&H IS RANKED AS THE 8TH LARGEST AVIATION CONSULTANT BY ENR MAGAZINE.

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GRANT MANAGEMENT PROCESS

Grant management is part of the FXE's larger financial management and capital planning effort. The various key steps in the process are described below.

The first issue is to identify the FXE's goals from the FAA/State grant application process. These goals are part of the airport's larger set of objectives, which likely include issues such as meeting aviation demand, improving the customer experience, and operating in a sound financial manner. The specific goals of the facility and capital program improvement effort likely include:

- Identifying the highest priority and most beneficial capital projects
- Seeking the maximum amount of external funds for projects
- > Quantifying the most logical purchase or method of obtaining the desired goal
- ▶ Following FAA, state, and other procurement requirements
- Attempting to simplify and accelerate the process, to the degree possible
- Maximizing local involvement and benefit from the capital projects

The steps in our grant management process are

Initial Financial and Facility Planning

One of the most important steps in the grant process is developing an overall facility improvement plan and designing a financial program to accomplish it. The facility planning process begins with an updated airport master plan, approved ALP, complete five-year CIP, and detailed multiyear capital budget. The financial planning

process includes developing and analyzing project priorities, identifying potential funding sources of funds, and creating an implementation plan. A critical part of this process is prioritizing FAA Entitlement; FAA Discretionary; State of Florida, local, private, and other funding, as each type of funds has requirements, availability, and funding limits. Further, most airports can accomplish only a certain number or type of capital projects each year due to funding, personnel, and other constraints. The issue then becomes to weigh, balance, and prioritize the projects. FAA and other external funding require careful coordination with their respective agencies.

Drafting the Grant Application

Actually, one of the easiest parts of the process is writing the grant application itself. The process is easy if you have determined the eligibility and coordinated with the FAA or other grant agency; however, the "standard" forms and long list of procurement rules can complicate the process. There is often need for a Benefit-Cost Analysis, environmental review, or other additional project justification per FAA requirements. In some cases, there is need for public involvement/ coordination, as well as seeking the support of elected representatives to support the project implementation or grant request.

Submitting the Grant Application

Once submitted, grant approval is not necessarily guaranteed. Issues include receipt and acceptance by the local FAA office and identification of the project priority. Grants need to be carefully written to describe the project in such a way as to rank highest in value to the national aviation system. Projects the need to be recognized as a high-priority by the FAA or other grant agency. Other issues include the lack of annual appropriation of funds

by Congress with resulting delays. The typical "start-stop" method of government operation often makes airport capital planning difficult. The FAA sometimes has "extra" funds available at the end of a fiscal year; Therefore, RS&H recommends airports have project plans prepared ahead of time to take advantage of available funds





Managing the Grant

Once the grant is approved, another list of steps is required. These include anticipating the award so that
 contractors and funds are available, preparing all the payment and project tracking documents, keeping the FAA informed of the project's progress, and closing out the project in a timely manner. The record-keeping for a is just as important as the other steps.

project is just as important as the other steps.



Project Completion

Upon project completion, final closeout documents, including record drawing, pay applications, and certifications of payment, are submitted. Proper and timely closeout is critical as to not impact future grants.

SURVEYING

KEITH AND ASSOCIATES, INC. has successfully surveyed over 150 acres of different taxiways for improvements at FXE. K&A knows the importance of fully understanding all FAA ACs pertaining to survey. In addition to our vast knowledge of the FAA ACs 16A/17B/18B we also understand the important s of a clean CAD file to successfully upload through the FAA's Airport-GIS website. K&A has successfully done this hundreds of times for multiple airports.

- FAA AC 150/5300-16A Establishing Geodetic Control on or near an airport
- FAA AC 150/5300-17B Airport Imagery Acquisition
- FAA AC 150/5300-18B Collection of Airport Data through Field and Office Methodologies

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Utilizing the FAA AC's requirements, Keith and Associates, Inc. has successfully surveyed several Taxiways at FXE. These surveys include Taxiways Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, Lima, November, Papa and Quebec.



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UNDERSTANDING THE FAA

The successful completion of the Taxiway Foxtrot Relocation project hinges on the selected team's familiarity with applicable Airport, local, state and federal safety and construction rules, requirements, regulations, standards, codes and advisory material. K&A/RS&H consist of leaders who are not just familiar with the regulations, but are leaders in the field who actually help define the industry standards on which the regulations are based. The combined knowledge and resources of the team ensures each member of the team will have the access to the latest airport construction, operational, safety, and security rules, standards, and requirements – whether it is the latest changes to TSA or FAA regulations, advisory material or local situations.

A unique feature of the K&A/RS&H Team is that not only does the staff make themselves familiar with the documents, but they also participate in the document development process. For example, RS&H staff participated on the TSA's Airport Security Design Guidelines Working Group that updated the FAA's Airport Security Planning, Design and Construction Guidelines document. RS&H authored FAA Advisory Circular 150/5070-6B, Airport Master Plans for the FAA. RS&H also helped review a draft version of FAA Order 1050.1F (Environmental Impacts: Policies and Procedures) and RS&H submitted comments to the FAA. In addition, RS&H was contracted by the US Department of Transportation to prepare a handbook to administer the Small Community Air Service Development Program. It is this commitment to active participation during the development of regulations and standards that gives K&A/RS&H more than just a familiarity with the applicable 2,246,004 passengers fly every day requirements.

Agency of the U.S.Department of Transportation

Since 1958, the FAA has regulated and overseen all aspects of civil aviation

Its continuing mission is to provide the safest, most efficient aerospace system in the world

FY 2016 Budget \$15.83 Billion

Office of the Associate Administrator for Airports (ARP) awards \$3.5 Billion in airport grants annually

19,299 Airports

7,000 aircraft in the sky at any given time

As evidence of the team's expertise, the FAA recognized RS&H's efforts for conforming to federal design standards while looking out for the fiscal interests of the sponsor by identifying methods to save more than \$5 million in construction costs for a drainage project at the Richmond International Airport. This adherence to standards and budgetary concerns of our clients is a fundamental element of the K&A/RS&H Team philosophy that will pay dividends to Fort Lauderdale Executive Airport.

DESIGN APPROACH

The KEITH AND ASSOCIATES, INC. Team provides a fundamental approach to design development including: Preliminary



(BODR and 30% Drawings), Design Development (60%), Final Design (90%), Construction and Bidding Documents (100%). Upon completion of adequate and appropriate project due diligence, we begin implementing the design plan, technical specifications, certified cost estimates and supporting bid forms, based upon specific project requirements, with a careful eye toward the project schedule and budget utilizing quality experienced

professionals with a proactive encompassing design approach.

Our Team will schedule monthly meetings, or more frequently when necessary, to bring all designers together to coordinate with the individual contracts. As the Prime Consultant we will identify potential conflicts early in the design process to the FXE Project Manager and provide solutions that facilitate the continued success and objectives of the project.

In managing the work, our Team will ensure use of a consistent set of design software and ensure consistent design standards and guidelines are used throughout the project. Keith and Associates is a leader in the industry in terms of performing civil engineering designs in a 3-Dimensional realm. K&A/RS&H have performed numerous hydraulic modeling studies for various airports throughout South Florida and will perform any hydraulic modeling/ studies that may be needed.

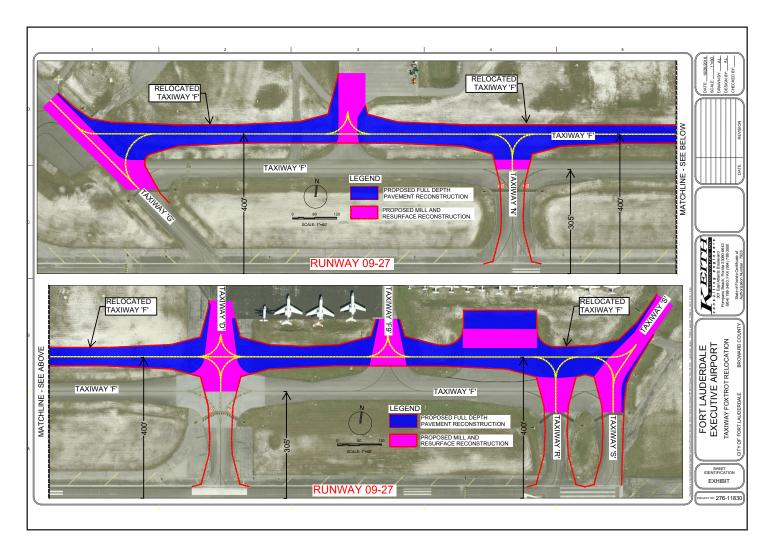


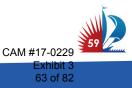
Preliminary Work

After coordination meetings with FXE and understanding all stake holders' concerns, preliminary work will begin. This phase would include Field Survey, Field Inspections and Geotechnical Testing. On our team we've included Tierra South Florida for Geotechnical testing. They are a proven aviation geotechnical firm and have worked at FXE for several years. Standard geotechnical testing would be performed (SPTs, pavement cores, etc) to serve as the basis for our pavement design.

Pavement and Geometry Preliminary Design (30%)

After the Preliminary work is completed our aviation pavement designers will review all existing conditions and develop alternative pavement solutions. Our design team will take into consideration the current and future airport fleet mix to ensure the pavement design will have the longest life span possible. Our team will also review the existing intersection pavement section and determine if any part of the section can be salvaged, creating savings for FXE, while contributing to sustainability. Alongside the pavement design, we will also have our aviation design team creating a preliminary geometry plan for Taxiway Foxtrot. All taxiway geometry will follow the updated FAA Advisory Circular 150/5300-13A – change 1. Below is an exhibit of our preliminary design for the relocation of Taxiway Foxtrot. As you can see, we are proposing a combination of full depth pavement and Mill/Resurface. In addition to the relocation of the Taxiways, all the intersection are proposed to be updated based on FAA Advisory Circular 150/5300-13A – change 1. We feel a phasing plan can be created to allow the construction of the relocated Taxiway while still maintaining the existing Taxiway. This will allow airport operations to continue uninterrupted throughout the majority of the construction.





Design Development and Construction Documents (60%, 90% and 100%)

With our preliminary design completed, reviewed and accepted by Fort Lauderdale, FXE and all stakeholders, we can proceed with the final design phases. We've created three milestones to ensure appropriate QA/QC not only internally but also by FXE and other stakeholders. Having all interested parties involved throughout the design process always produces the best design. We will host design presentations at each milestone to review any potential conflicts. All stakeholders are encouraged to participate in these presentations. During these phases, we will complete the design plans, phase plans, technical specifications, certified cost estimates, project schedule and supporting bid forms.

PERMITTING PROCESS

KEITH AND ASSOCIATES, INC. will prepare and process all permitting/approval applications to the various governmental and quasi-governmental agencies including but not limited to the City of Fort Lauderdale, Broward County Environmental Protection and Growth Management Department (BCEPGMD), South Florida Water Management District (SFWMD) and the Federal Aviation Administration (FAA).

Throughout the entire project our approach includes continuous coordination with FXE staff, the City of Fort Lauderdale, BCEPGMD, SFWMD, as well as FAA personnel

In addition to having a very close relationship with all jurisdictional agencies, **KEITH AND ASSOCIATES, INC.** has also been successful in processing permit approvals, expediting permit approvals, processing construction permit certifications and operational recertifications for several projects under the new FAA Advisory Circular 150/5300-13A-Change 1.



CONSTRUCTION MANAGEMENT, INSPECTION AND TESTING

Our team has years of successful aviation construction management, inspection and testing. Our construction management team led by **Johnathan Weymouth**, **P.E.**, will monitor and document the schedule, progress, quantities and ensure the design intent is being met throughout construction. In addition, our team will review shop drawings, requests for information, maintain submittal logs and review as-built information. Asphalt pavement testing services conforming to FAA P-401 (or approved) specifications will be performed throughout construction by Tierra South Florida, including asphalt plant control. Construction phasing will be a critical component to complete the relocation of Taxiway Foxtrot with minimal interruptions to existing patrons. Our Construction Management team will ensure the best phasing plans are implemented and executed accordingly.

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CUTTING EDGE RESOURCES

Anyone who has created and run a large SWMM or ICRP model knows the time it takes to get your results. Even with some of the best desktop computers, we've seen models take several hours to run and complete. This hampers productivity and the ability to quickly and efficiently update the drainage model. To solve this issue, KEITH AND ASSOCIATES, INC. has purchased space on a Microsoft Super Cloud Computer. This Super Computer can be scaled up and down for our every needs. If we wanted to run 5 ICRP alternatives simultaneously while writing the drainage report, the computer would run seamlessly. The Microsoft Super Cloud Computer runs behind one of the most secure firewalls to ensure data security. KEITH AND ASSOCIATES, INC. is always exploring new technologies to ensure we are providing the best service and design to our clients.



MICROSOFT SUPER CLOUD COMPUTER

QUALITY ASSURANCE/QUALITY CONTROL

A major aspect of the Project Management and the quality commitment to this contract is independent peer review as part of our contract quality control/quality assurance program. Quality is obtained by successfully providing proper project approach, constant project supervision and communication, complete project documentation, active senior management involvement and a final formal quality review prior to submission to the City. Quality Control reviews are performed at many levels by key staff throughout the project timeline, including daily field reviews, weekly project status reviews, milestone reviews, CADD compliance of 95% or better and closures/data/calculations reviews. The Keith and Associates Team continually monitors its QA/QC plan and makes adjustments as lessons learned are implemented into the Plan. Mr. Williams bears the ultimate responsibility for the Team complying with a detailed QA/QC plan that is both practical and effective and is implemented on every assignment to assure the City receives the quality work it deserves.

SCHEDULE/BUDGET RESPONSIVENESS

While all work elements must be executed in a quality fashion, they also must be performed responsively, in accordance with the City's schedule and budget objectives. The depth of staff, both in number and experience, will permit us to continue to satisfy our project commitments for the City, without sacrificing quality and responsiveness. Potential delays and cost overruns are contained and minimized through routine weekly department meetings aimed at maximizing project scheduling effectiveness. Senior management oversight and weekly interaction ensures that the delivery, budget and project communication maintain the utmost priority within the Firm. Communication is the key to identifying and resolving project pitfalls quickly, while maintaining schedules and budgets. We have found great success utilizing an approach that has led to effectively identifying problems and quickly defining solutions.

WORKLOAD MANAGEMENT

Commitment to the City of Fort Lauderdale

KEITH AND ASSOCIATES, INC. puts great emphasis on the efficient management of all our contracts. As one of your local businesses, that has had the great fortune to continue to grow over the last 18 years, we carefully monitor our workloads to assure our staffing capabilities and resources match or exceed what is needed for each assignment we pursue. With the upcoming close-out of a number of significant contracts/projects for the firm, the proposed staff and resources are available to start work on one or more of the assignments identified in the solicitation immediately.



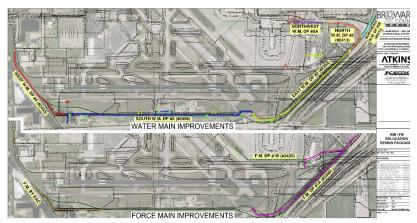
Management of Concurrent Workflows

KEITH AND ASSOCIATES, INC. manages its long and short-term workload fluctuations through a policy of proactive senior management and resource/personnel sharing. Our diverse staff has perfected the ability to multi-task on numerous projects, properly prioritizing work efforts and continually communicating with the senior leadership of the firm. Through proper training and years of experience, our staff has perfected the organizational skills and demeanors to handle multiple projects concurrently, while maintaining schedules and quality deliverables. Delays are contained and minimized through routine weekly department/project meetings aimed at maximizing project scheduling effectiveness. These meetings include our subconsultant partners to ensure efficient and adequate use of personnel across the entire team.

Our staff routinely operates on extended and modified work schedules allowing for expedited project executions and absorption of unforeseen schedule challenges. We carefully monitor our staff's hours which allows us to properly plan for additional staffing requirements. In some circumstances, we have actually passed on contracts if we felt they would unduly burden our staff to perform in a timely efficient manner.

This senior management oversight and weekly interaction ensures that the delivery and project communication remain with the utmost priority within the firm.

In an example of our proactive approach, that Keith and Associates properly and proactively managed, was on the FLL Runway 10R/28L Airport Expansion Project which included relocation and upgrade of the existing water distribution and sanitary sewer force main utilities surrounding the runway improvements as well as coordination with all utility stakeholders. The original design concept provided for a single design package for the 24" water transmission main and 16" Sewer Force main. When BCAD determined, particular Phasing requirements for the project it was determined the entire South Runway Expansion Project schedule would have to be delayed unless the utilities could be expedited.



Given these critical path scheduling concerns of the overall runway project and at the request of the AEP and CIP Director, Keith and Associates was able to transform our current Project Work Plan to exponentially expedite all remaining tasks. The team identified, and prioritized phases and separated segments of the overall utility line improvements into eight (8) separate design packages with four (4) demolition design packages. In total there is more than 19,000 feet of new force main and water main improvements with most of the water main pipe at 24 inch diameter and the majority of the force main at 16 inch diameter.

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Keith & Associates, Inc. expedited all design packages, coordinated with contractors and worked closely with the jurisdictional agencies to expedite both the permitting, certification and line activation authorizations. These design packages were fast tracked through all stages of execution and permitting, resulting in BCAD recouping over six months of critical schedule creep for the overall Runway Expansion Program. Our design of the South Water Main and grading of South Perimeter Road allowed for the salvaging of over 3,600 feet of existing force main that may otherwise have needed to be replaced due to insufficient ground cover.

Given the resources and management levels required, few firms could have matched this shift in schedule midway into a project.



Current Workload

Given our current and projected workloads for the staff proposed herein, KEITH AND ASSOCIATES, INC. and its Subconsultants can and will provide the personnel and resources required to service Fort Lauderdale and FXE for this contract. Ms. Dodie Keith-Lazowick, as the client resource officer, will personally ensure that adequate office and field personnel are available, as needed, for this important contract and for the City of Fort Lauderdale.

WE KNOW HOW TO WORK WITH YOU

To reiterate, the KEITH AND ASSOCIATES Team has performed and managed a multitude of stormwater analyst contracts for airports, local municipalities and public agencies within Southeast Florida. Our experience has resulted in a thorough knowledge and practice of the standards and how to apply them with a practical and common sense approach to solving civil engineering, surveying and mapping, planning and landscape architecture challenges. We believe that building relationships is what it takes to truly understand the concerns of the client and to address those concerns in a professional manner that is personal to the them. We take pride in building long-lasting relationships and acting as a fully competent extension of our clients' staff.

SAFETY

Accidents do not happen without cause. The identification, isolation and control of these causes are underlying principles of all accident prevention techniques. Education and training are an ongoing and daily process within the Keith and Associates team structure. Through adequate instruction, personnel gain useful knowledge and develop safe work habits. Our Field Review and Safety Supervisor, Mr. Sean Marshall, holds weekly "tool box" safety meetings in accord with O.S.H.A. specifications.

In order to direct the public through the work area, full compliance with the current Department Roadway and Traffic



Design Standards (600 Series), Survey Safety Handbook and current Maintenance of Traffic Training D.O.T. Topic No. 625-010-010- a is required for every project. This includes Title 29, Code of Federal Regulations, Parts 1910 and 1976, Occupational Safety and Health Regulations. All KEITH AND ASSOCIATES, INC. personnel are familiar and required to comply with these standards and procedures.

All of our field personnel have received Maintenance of Traffic (M.O.T.) safety training currently required by the FDOT for work within public roadways. Specialty crews have additional certifications for O.S.H.A. Confined Space Entry requirements for general industry and construction and CSX Rail Corridor Access. Keith and Associates is also in full compliance with the current School Board Security Clearance Policies of finger printing and successful background checks in accordance with the State of Florida Jessica Lunsford Act for school access by workforce personnel. If you need us there, we can go there.

DRUG FREE WORKPLACE PROGRAM

KEITH AND ASSOCIATES, INC. maintains a proactive drug-free workplace program. We inform employees about the dangers of drug abuse in the workplace, the company's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs, as well as the penalties that may be imposed upon employees for drug abuse violations. We make a good faith effort to continue to maintain a drug-free workplace through implementation of this program.



COMMITMENT TO SUCCESS

The KEITH AND ASSOCIATES Team is a representation of the combined experience, strengths and capabilities of three (3) professional firms who have all been providing services to FXE and have worked in Fort Lauderdale for decades. This combination provides FXE with a diverse team, led by a firm that is truly Broward based and well known in the community.

Every member of our design team has a proven history of successfully completing master drainage projects and this *Contract has our full attention and commitment*. Each member of our team is wholly committed to the success of this contract. At Keith and Associates we carefully monitor, measure and push to fruition each and every project. We measure its progress to ensure we remain on track and on schedule. This is true through planning, design, permitting, bidding, administration of the construction contract and project close-out.

Understanding the proposed scope and schedule of this Master Drainage Permit Project is the fundamental to the success of the project and **the KEITH AND ASSOCIATES Team knows what it takes** to meet the expected goals and objectives of FXE and all the associated stakeholders. Our Team has proven that we can meet the challenges and deliver FXE projects successfully. As we have already proven, we are fully committed to being a true partner with FXE, always keeping the City's interests at heart, while delivering projects on time and within budget.





<u>6 - REFERENCES</u>

Positive feedback from clients, owners and stakeholders is truly the best way to gauge a firm's performance. KEITH AND ASSOCIATES, INC., strives to deliver the best solutions and service, while being a trusted partner.

South Runway Expansion at Fort Lauderdale - Hollywood International Airpor

KEITH AND ASSOCIATES, INC. provided professional design services for the Expansion of Runway 10R/28L, as ENGINEER OF RECORD for Utility and Roadway Designs, as a subconsultant partner with PBS&J/Atkins. Keith and Associates was responsible for the complete relocation and upgrade of the existing water distribution and sanitary sewer force main utilities surrounding the runway improvements as well as coordination with all utility stakeholders. We were initially tasked to prepare a Project Definition Document (PDD) Validation Report, Design Criteria Package, Utility Corridor Report and a Preliminary Engineering Report and assisted in the development of the Earthwork Management



Plan to coordinate the import and placement of 6.5 million cubic yards of fill during construction.

Broward County Aviation Department Marc Gambril, Director, Capital Improvement Projects Division, Aviation Department 4101 Ravenswood Road, Fort Lauderdale, FL 33312 (954) 359-2343 / mgambrill@broward.org Contract: 2011 – 2015 / Cost: \$791 Million (estimated)

Taxiway C West Reconstruction Fort Lauderdale/Hollywood International Airport

The RS&H team was retained by the Broward County Aviation Department to perform design, bidding, construction administration and resident project representation (RPR) for the Taxiway C-West and South Apron Reconstruction project at Fort Lauderdale-Hollywood International Airport. The project scope consisted of the demolition and reconstruction of 3,500 feet of Taxiway C pavement from Runway 9L departure end to Taxiway E and 850 feet of pavement mill and overlay of Taxiway C at the intersection of Taxiways D and E.



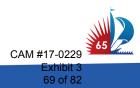
Broward County Aviation Department Gasser Douge, PE, CM 4101 Ravenswood Road, Fort Lauderdale, FL 33312 (954) 359-6973 / gdouge@broward.org Contract: 2013 / Cost: \$7.9 Million (estimated)

Sheltair Hangar Expansion Pompano Beach Air Park

The Holland Sheltair Aviation Group leases 40.8 acres from the Pompano Beach Air Park, and Keith and Associates was retained by SheltAir to develop and process site plan drawings, perform civil engineering design for water, sewer, paving and drainage improvements, survey, subsurface utility locations, landscape architecture and provide construction phase services for the site improvements to support the addition of office/ hanger buildings approximately 96,100 SF of floor area on 19.6 acres of their leased property. Keith and Associates, as the Engineer of Record for these projects, was responsible for the modification of the Air Park Master Drainage Plan/Permits as required for the development of the proposed improvements as they now exist.



Pompano Beach Air Park Steven P. Rocco, Airport Manager 1001 NE 10th Street Pompano Beach, FL 33060 (954) 786-4193 / steve.rocco@copbfl.com / Contract: 2011 – 2015



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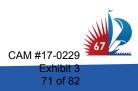
CAM #17-0229 Exhibit 3 70 of 82

7 - MINORITY (MBE) PARTICIPATION

Keith and Associates is committed to supporting the City of Fort Lauderdale in its efforts to promote small and disadvantaged businesses. As a certified DBE firm, Keith and Associates, Inc. understands the importance of working with certified minority business enterprise firms to ensure equal opportunity. As such, we understand the importance of and are dedicated to supporting diversity within our industry. Keith and Associates is proud to have achieved a **99.98%** CBE attainment for Broward County projects in which we have served as the Prime.

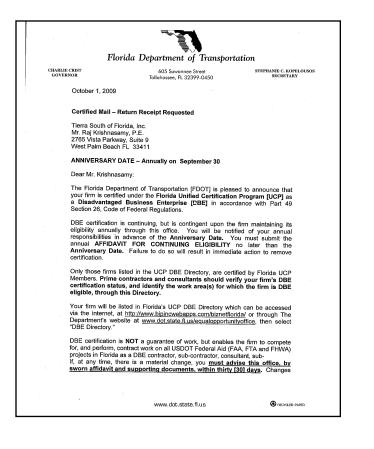
When possible and available, we look to include companies certified as minority, women and service-disabled veteran business enterprises. We maintain a list of qualified, certified firms and look for opportunities to invite these firms to participate. For this important contract, we have included Tierra South Florida and Aspen Environmental on our team. We have previously worked with Tierra South Florida and look forward to utilizing our past experiences to positively impact this contract.

	rida UCP DBE Directory
Number of Records Returned: 1 Selection Criteria: 1 Vendor : KEITH AND ASSOCIATES INC 1	
Vendor Name: KEITH AND ASSOCIATES INC DBE Certification: CERTIFIED DBA: Business Description: SURVEYING SUE LANDSCAPE /	MBE Certification: Former Name: ARCHITECTURE PLANING CIVIL ENGINEERING
Mailing Address J: 301 EAST ATLANTIC BLVD POMPANO, FL 33060-	
Contact Name: DODIE KEITH LAZOWICK Email: <u>MAIL@KEITH-ASSOCIATES.COM</u>	Phone: (954) 788-3400 Fax: (954) 788-3500
Certified NAKS 541320 Landscape Architectural Services 541340 Engineering Services 541350 Building Inspection Services 541370 Surveying and Mapping (except Geophysical) 541371 Administrative Management and General Mar 561990 All Other Support Services Run on : 05/02/2016 Page: 1	
	State of Florida
	Minority, Women &
	Minority, Women &
	Minority, Women & Service-Disabled Veteral
	Minority, Women & Service-Disabled Veteral Business Certification
	Minority, Women & Service-Disabled Veteral Business Certification Aspen Environmental Consulting, LLC Is certified under the provisions of
	Minority, Women & Service-Disabled Veteral Business Certification Aspen Environmental Consulting, LLC Is certified under the provisions of 287 and 295.187, Florida Statutes for a period from:



7 - MINORITY (MBE) PARTICIPATION





include, but are not limited to, ownership, officers, Directors, management, key personnel, scope of work performed, dally operations, on-going business relationships with other firms or individuals, or the physical location of your firm. After our review you should receive instructions as to how you should proceed, if necessary. Failure to do so will be deemed a failure, on your part, to cooperate, and will result in immediate action to Remove DBE certification.

Your firm is eligible to compete for, and perform, work on all USDOT Federal Aid projects throughout Florida, and may earn DBE credit for work performed in the following areas:

 NAICS:
 FDOT Specialty Code & Description

 541330
 943-Geotechnical Engineering Services

 541380
 944-Laboratory Testing Services

All other concerns should be directed to this office by mail or telephone. Our telephone number is (850) 414-4747. Our Fax number is (850) 414-4879

Sincerely, Im Doodma ohn Goodeman DBE Certification Manager

8 - SUBCONSULTANT

We believe there is ample opportunity to include a number of subconsultant partners for this contract, while maintaining an overall seamless management approach to the contract. Following years of recent experience at local airports, the subconsultant partners presented herein have been carefully selected for their in-depth experience, reliability, proactive management and familiarity with the City of Fort Lauderdale. We are continuing the long relationships we have shared with major firms such as RS&H, Tierra South Florida and Aspen Environmental. By combining the senior leadership resources of KEITH AND ASSOCIATES, INC. and our exceptional partners, KEITH AND ASSOCIATES, INC. provides the City of Fort Lauderdale and FXE a project team and approach that include continual value engineering, enhanced quality control processes, the ability to accelerate schedules, reduce costs and minimize risks.



RS&H, Inc. 3125 W. Commercial Boulevard, Suite 130 Fort Lauderdale, FL 33324

PROVIDING THE FOLLOWING SERVICES: Civil Engineering, Electrical and Grant Support Services

RS&H has a worldwide reputation as a leading aviation consultant reflects its dedication to designing the best solutions for its clients. With offices located in Broward County for more than 42 years, RS&H has successfully met all challenges regardless of the size, location, or nature of a project, from incorporating the unique character of a community into the design of a terminal, to satisfying the engineering and environmental requirements for a runway improvement, to addressing the future through detailed planning and visioning.

With a tradition that spans 75 years, RS&H has built a reputation as a client-centered facilities and infrastructure consulting firm whose practice structure offers value-added solutions to clients throughout the country. RS&H is organized into five client-focused practices, centered around our Aviation Practice. RS&H offers a deep bench of aviation specialists in all areas of design. In many industry circles, RS&H is considered the "go-to" airfield design firm, and is ranked by ENR magazine as the 8th largest aviation design firm in the United States. With its headquarters in Florida and a majority of its 170-plus associates dedicated to the Aviation Practice, RS&H is an integral part of the airport community in the State of Florida. RS&H has successfully completed several aviation projects for our 27 Florida airport clients and furthermore has completed the same type of project as this one right here in Broward County at FLL.



RS&H ASSOCIATES PARTICIPATED ON A TASK FORCE TO REVIEW AND PROVIDE COMMENTS ON THE DRAFT FAA ADVISORY CIRCULAR 150/5300-13A AIRPORT DESIGN RS&H's engineering culture provides clients with the confidence to move forward on all types of airport improvement projects. RS&H is a leader in the aviation industry, having participated in the preparation of several industry-leading documents and guidelines, and in leadership positions for numerous aviation industry associations. The K&A Team will provide FXE the benefits of this industry involvement, because RS&H staff will bring the latest industry knowledge and lessons learned to all assignments. For example, the Florida Airport Council recently requested RS&H's **Southeast Airfield Discipline Leader, Mr. Brad Wente**, present his knowledge of the updates to Advisory Circular 150/5300-13A Change 1 to better educate the Florida aviation community. Our industry involvement helps us identify trends in the industry, which we not only disseminate to RS&H staff, but more importantly, bring to the K&A Team.



8 - SUBCONSULTANT

EXPERIENCE HIGHLIGHTS

Fort Lauderdale Airfield Modifications
Fort Lauderdale New South Runway
Fort Lauderdale Taxiway C West
Fort Lauderdale Taxiway C East
Fort Lauderdale Runway 9L-27R Emergency Repairs 330
Jacksonville International Airport Taxiway G/G1 Reconstruction
Jacksonville Cecil Airport Taxiway N Extension
Tampa International Airport Taxiway B Bridge
Albany Southwest Georgia Regional Airport Taxiway A Widening and Strengthening
Alpena County Regional Airport Taxiway Apron Rehabilitation
Daytona Beach International Airport Taxiway N Reconstruction
Duluth International Airport Taxiway A Rehabilitation
Manassas Regional Airport Taxiway D Rehabilitation
Colorado Springs Airport Taxiways E, G, and H Reconstruction
Colorado Springs Airport Taxiways M and F Reconstruction
Colorado Springs Airport Taxiway C Reconstruction
San Antonio International Airport Taxiway RC Extension
Philadelphia International Airport RW 27L Extension & Associated Taxiways

TECHNOLOGICAL RESOURCES

RS&H has made a significant effort to develop and maintain an information technology infrastructure that not only seamlessly integrates its own geographically dispersed and highly specialized resources, but also incorporates clients, vendors, subcontractors and regulatory agencies to create a virtual corporation. All RS&H associates have networked computers in their work spaces. These machines have the appropriate memory, hard drive and display capabilities to allow them to efficiently perform their individual tasks. RS&H associates have access either through network or locally installed applications to the tools that best support their work processes. This includes integrated office automation applications as well as software for CADD, BIM, GIS, project collaboration, engineering and analysis, BST Enterprise that supports finance and accounting operations and project management software.



<u>8 - SUBCONSULTANTS</u>



Tierra South Florida 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411

PROVIDING THE FOLLOWING SERVICES:

Geotechnical Engineering

Tierra South Florida, Inc. (TSF) is a full service consulting geotechnical and construction materials testing engineering firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. 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 Hialeah Gardens and Altamonte Springs, Florida.

GEOTECHNICAL ENGINEERING

TSF can provide a complete range of geotechnical engineering services. Their organization helps define the construction and long-term performance risks associated with subsurface conditions. Applications are for all types of buildings, airport facilities, transportation systems, landfills, dams, and other civil and private projects. TSF's geotechnical services include:

- Laboratory testing and analysis
- Subsurface exploration
- Site preparation recommendations
- Soil reinforcement
- Expert witness testimony
- Peer review

- Pavement evaluations and design
- Deep and shallow foundation analysis/design
- Slope stability analysis
- Corridor studies
- Value engineering
- Unknown Foundation Studies

RESOURCES

TSF is unique in the vast array of resources we provide our clients. Within Florida, we have:

- Main office and laboratory in West Palm Beach
- Branch offices in Miami-Dade and Seminole Counties
- 49 employees, who are professional registered geotechnical, construction inspection and threshold inspectors, drillers, field and laboratory technicians, and support personnel.
- State of Florida Registered Professional Engineers considered experts in all aspects of geotechnical engineering including design of deep and shallow foundations, slope stability, roadway soil survey, and ground improvement technique
- Large, diverse fleet of drill rigs as well as barge equipment.
- In-house soils and concrete laboratory inspected and certified by Construction Materials Engineering Council (CMEC), and approved by Florida Department of Transportation (FDOT).
- Trained, experienced and certified personnel and laboratory equipment capable of:
 - Meeting ASTM requirements for proctor, moisture/density, nuclear density, consolidation and sieve analysis, as well as boring logs, soil property tests and LBR tests.
 - Meeting established American Society of Testing and Material (ASTM) requirements for slump tests, air tests and concrete compressions tests.
 - Performing soil testing services (Density testing, laboratory Proctor, Limerock Bearing Ratio (LBR), California Bearing Ratio (CBR), Sieve Analysis, etc.)
 - Providing field exploration services for Structures and field exploration services for roadway (auger profile borings, permeability tests, pavement cores, pavement condition survey, etc.)
 - Performing laboratory services (Limerock Bearing Ratio, moisture content test, Atterberg limit, grain size distribution, etc.)
 - Performing concrete and asphalt inspection and testing services
 - Performing structural concrete sampling and testing.
- In-house equipment to meet all soils, construction materials sampling and analysis needs.



8 - SUBCONSULTANT

EXPERIENCE HIGHLIGHTS

TSF is an FDOT unlimited prequalified consultant to provide geotechnical services 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 & 10.3. Their staff currently includes principal engineers and technicians certified through nation and state programs with over 28 years of experience in geotechnical, construction, laboratory and field materials testing and inspection services. Their in-house testing laboratory is AASHTO and ASTM certified by CMEC and validated by the FDOT. Please see below for a list of airports where TSF has provided geotechnical and construction material testing services:

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



OWNER: Fort Lauderdale Executive Airport **ROLE:** Subconsultant

PROJECT: Taxiway Delta & Charlie Rehabilitation Project

Tierra South Florida Performed 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. The project was completed on time and within budget.



8 - SUBCONSULTANT



Tierra South Florida P.O. Box 2753 Stuart, FL 34995

PROVIDING THE FOLLOWING SERVICES: Environmental

Aspen Environmental Consulting, LLC provides services to many different types of clients including industrial companies, real estate and land developers, banks and lending institutions, law firms, and municipal clients. Our mission is to provide our clients with the highest quality service and support and to create innovative, cost-effective solutions to address our clients' environmental needs. This is accomplished by carefully defining the goals of our clients and tailoring our scope of work to achieve those goals. Our personnel are experienced in environmental planning and compliance issues and we have the technical expertise to create cost-effective environmental solutions for you. Client satisfaction, integrity and quality work are our top priorities at Aspen Environmental Consulting, LLC. Below is a listing of our relevant services.



- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments
- UST Closures/Removals
- Sub-surface Site Investigations
- Industrial Compliance
- Site Remediation
- Environmental Planning/Permitting and Reporting
- Regulatory Liaison
- OSHA Safety Plans

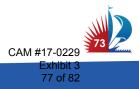
FACILITIES AND EQUIPMENT

Aspen Environmental understands the values of incorporating current technology into the management of a project. We select only the latest and most efficient software and equipment and continuously keep abreast of new technological developments as they occur within our profession. Company equipment includes the following:

- ASUS computer equipment
- Management software includes: MS Project, Microsoft Office, and Adobe Acrobat
- Access to AutoCAD
- HP Printer
- HP copier
- HP Scanner
- Fax Machine
- Canon Digital Camera
- Company Vehicle

EXPERIENCE HIGHLIGHTS

- U.S. Department of Justice/Federal Bureau of Prisons Environmental Site Assessor
- Riviera Beach CRA Marina District South Environmental Site Assessor
- Atlantic Square Plaza Phase I and Opinion Letter Environmental Site Assessor



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9 - REQUIRED FORMS

A. STATEMENT OF QUALIFICATION CERTIFICATION

City of Fort Lauderdale

Eid 276-11830 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 <u>http://www.dos.state.fl.us/</u>).

Company: (Legal Registration) Keith and Associates, Inc.

Address: <u>301 E. Atlantic Blvd.</u>		
City: <u>Pompano Beach</u>		_ State: <u>Florida</u> Zip: <u>33060</u>
Telephone No. <u>954-788-3400</u> FAX No	954-788-3500	_Email:
Does your firm qualify for MBE or WBE status:	MBE	_WBE

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

Addendum No.	Date Issued	Addendum No.	Date Issued
1	10/25/16		

<u>VARIANCES</u>: 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 BIDSYNC you must click the exception link if any variation or exception is taken to the specifications, terms and conditions.

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:

Eliot Lazowick Name (printed)

Kayouick

Signature

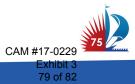
10/31/16

Date:

Executive Vice-President Title

9/21/2016 10:12 AM

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9 - REQUIRED FORMS B. NON-COLLUSION STATEMENT

City of Fort Lauderdale

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

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.

NAME

RELATIONSHIPS

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.

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9 - REQUIRED FORMS C. LOCAL BUSINESS PREFERENCE

City of Fort Lauderdale

Bid 276-11830 City of Fort Lauderdale FXE Taxiway Foxtrot Relocation Project RFQ Number #266-11830

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: Keith and Associates, Inc.

Eliot Lazowick Name (printed)

Elist Lapourch

10/31/16

Date:

Executive Vice-President Title

Signature

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9 - REQUIRED FORMS

E. SAMPLE INSURANCE CERTIFICATE

ACORD	ERT	IFICATE OF LIA	BILI	TY INS	URANC		E(MM/DD/YYYY)
THIS CERTIFICATE IS ISSUED AS A CERTIFICATE DOES NOT AFFIRMA BELOW. THIS CERTIFICATE OF IN REPRESENTATIVE OR PRODUCER, IMPORTANT: If the certificate holde the terms and conditions of the polit certificate holder in lieu of such end	TIVELY SURAN AND TH r is an <i>i</i> y, certa	OR NEGATIVELY AMEND, CE DOES NOT CONSTITU E CERTIFICATE HOLDER. ADDITIONAL INSURED, the in policies may require an e	, EXTE TE A (ND OR ALT CONTRACT (ies) must be	ER THE CO BETWEEN 1 e endorsed.	UPON THE CERTIFICATE H DVERAGE AFFORDED BY TH THE ISSUING INSURER(S), A If SUBROGATION IS WAIVE	DLDER. THIS HE POLICIES AUTHORIZED D, subject to
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Frank H. Furman, Inc.			PHONE	1111a 31	943-5050	FAX (954)	942-6310
1314 East Atlantic Blvd.			(A/C. N E-MAIL			(A/C, No): (954) rance.com	542 0510
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INSURED						surance Co	35289
Keith & Associates Inc			INSURE	RC:Contin	ental Cas	sualty Co	20443
301 E Atlantic Boulevard			INSURE	RD:AXIS I	nsurance	Company	37273
			INSURE	RE:			
•	3060		INSURE				
		ATE NUMBER:2016 Mast				REVISION NUMBER:	
THIS IS TO CERTIFY THAT THE POLICI INDICATED. NOTWITHSTANDING ANY CERTIFICATE MAY BE ISSUED OR MA EXCLUSIONS AND CONDITIONS OF SUC	Require (Perta	EMENT, TERM OR CONDITION	I OF AN DED BY	IY CONTRACT	T OR OTHER ES DESCRIBE	DOCUMENT WITH RESPECT T ED HEREIN IS SUBJECT TO AL	O WHICH THIS
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X COMMERCIAL GENERAL LIABILITY A CLAIMS-MADE X OCCUR						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$	1,000,000 300,000
		5084976405		2/19/2016	2/19/2017	MED EXP (Any one person) \$	15,000
	_					PERSONAL & ADV INJURY \$	1,000,000
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POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG \$	2,000,000
OTHER:						Employee Benefits \$ COMBINED SINGLE LIMIT	1,000,000
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A EXCESS LIAB CLAIMS-MAI	E					AGGREGATE \$	5,000,000
DED RETENTION \$		5084976498		2/19/2016	2/19/2017	\$	
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER OTH- STATUTE ER	
ANY PROPRIETOR/PARTNER/EXECUTIVE						E.L. EACH ACCIDENT \$	1,000,000
C (Mandatory in NH) If yes, describe under	-	5084976355		2/19/2016	2/19/2017	E.L. DISEASE - EA EMPLOYEE \$	1,000,000
DÉSCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT \$	1,000,000
D Professional Liability		MBZ792656/01/2016		3/13/2016	3/13/2017	Each Claim Aggregate	\$2,000,000 \$5,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VE	IICLES (A	CORD 101, Additional Remarks Scher	dule, may	be attached if m	lore space is req	 uired)	
CERTIFICATE HOLDER			CAN	CELLATION			
Informational Purpos	es On	ly	THE	EXPIRATIO	N DATE TH	DESCRIBED POLICIES BE CANCE EREOF, NOTICE WILL BE D CY PROVISIONS.	
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