

HDR

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Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
12644-626--01-01	UPLOAD ATTACHMENTS HERE	Supplier Product Code:	First Offer -	1 / lump sum	Y	Y

Supplier Total **\$0.00**

HDR

Item: **UPLOAD ATTACHMENTS HERE**

Attachments

HDR_FXE_12644-626_Proposal.pdf

HDR_FXE_12644-626_Proposal_Exception page.pdf

STATEMENT OF QUALIFICATIONS



ASCEND

Elevating Fort Lauderdale Executive
Air Travel to a New Level

ELEVATING EXPERIENCE.
ELEVATING DESIGN.
ELEVATING PARTNERSHIPS.

GENERAL ENGINEERING AVIATION CONSULTANT
SERVICES, CONTINUING CONTRACT (12644-626)

CITY OF FORT LAUDERDALE
APRIL 14, 2022



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April 14, 2022

City of Fort Lauderdale, Procurement Services Division
Attn: Maureen Lewis, Senior Procurement Specialist
cc: Khant Myat, PE
100 N. Andrews Avenue, 6th Floor
Fort Lauderdale, FL 33301
954.828.5239
maureenl@fortlauderdale.gov

RE: General Engineering Aviation Consultant Services, Continuing Contract (12644-626)

Dear Ms. Lewis and Mr. Myat:

It has been a privilege for HDR to work side-by-side with your leadership team serving as your general consultant since 2014. HDR has developed an in-depth understanding of your capital improvement vision and operational requirements specific to FXE. As a dedicated partner, we are committed to continuing to provide you with local responsiveness combined with industry leading aviation expertise. HDR offers you:

- **Responsive local Program Manager focused on cost-effective design solutions.** Cody Parham will continue to serve as your primary point of contact. Cody sits in our West Palm Beach office and can be at FXE in 30 minutes. His relationships working in the South Florida aviation market, combined with his 14 years of continuous service to FXE, makes him your ideal partner. Cody began building your current capital program in 2016 as part of the master plan update, and has assembled a team with the expertise to execute your capital improvement program under this contract.
- **A proven team with strong ties to the community.** Our partners have similar cultures of technical expertise and a proven history of putting their clients first. We have developed a long-standing partnership with Ricondo, who led the development of your master plan alongside HDR. Ricondo brings expertise in planning and environmental regulations, a critical skill for the development of your runway extension program. We have bolstered our team with local MBE subconsultants (CRJ & Associates, Inc., Hammond & Associates, Inc., Adams Consulting Group, Quantum Electrical Engineering, Inc., Lakdas-Yohalem, Dickey Consulting Services, and Tierra SF) who have a long history of delivering quality work in Broward County and with HDR.
- **Local service supported by national expertise.** As an industry leader in airport design and one of the largest Architect/Engineering (A/E) firms in the country with over 10,000 employee-owners, we are fully equipped to staff multiple concurrent task orders to make certain your program is moving forward on time. HDR's Fort Lauderdale office has more than 50 professionals with experience in airfield design, utilities, stormwater, construction, and much more.

These offerings provide strong technical skill sets, a deep bench, and unmatched client service to FXE. We know that, over the years, the type of work required may vary and we are prepared to provide you with a multi-service team of professionals ready and capable to serve FXE and its community.

The HDR team is your team.

Sincerely,

HDR



Jennifer E. Hunt, PE
Senior Vice President
erin.hunt@hdrinc.com



Cody Parham, PE
Program Manager
cody.parham@hdrinc.com



SECTION 1

Executive Summary

Executive Summary

Key Elements of the Proposal

We meet or exceed all minimum qualifications.

Our firm and key staff meet or exceed all the minimum qualifications required in Section 2.8 of the RFQ. Please see Section 3 - Qualifications of the Project Team of this proposal for a detailed demonstration of how we meet all criteria.

Qualifications of Our Firm

For more than a century, HDR has partnered with clients to shape communities and challenge the boundaries of what's possible.

Our expertise spans 10,000 employees, in more than 225 locations around the world – and counting. HDR has been successfully assisting clients in Florida for more than 50 years and in Fort Lauderdale since 1999. With our Florida staff at more than 500 and 3 offices within an hour of FXE, HDR brings global expertise served through local presence.

History and Past Performance of our Firm

We are proud to have served as FXE's General Engineering Consultant (GEC) since 2014, because your success is our success. Our people live, work, and play in the Uptown area, and are proud to work with a partner like FXE that generates an economic impact while giving back to the community.



HDR fundraisers, volunteers, and runners at the FXE 5K on the Runway

BUSINESS ENTITY INFORMATION

FIRM NAME

HDR

MAIN OFFICE

1917 S 67th Street
Omaha, NE 68106

BACKGROUND

We are a professional services corporation fully owned by our employees, founded in 1917. HDR provides planning, architecture, engineering, and construction services to airports in South Florida and around the world. We think globally and act locally in our communities.

OFFICE SERVING THIS CONTRACT

3250 West Commercial Blvd.
Suite 100
Fort Lauderdale, FL 33309
P: 954.233.4914
F: 954.233.4953
hdrinc.com

POINT OF CONTACT

Cody Parham, PE
Program Manager
O: 561.209.6641
M: 678.617.6958
cody.parham@hdrinc.com

HDR About Us

FOUNDED IN **1917**

150+ dedicated AVIATION PROFESSIONALS firm-wide

With **10,000+** professionals in more than **200** offices around the world, **we think global and act local.**

7 FLORIDA OFFICES

500 FLORIDA EMPLOYEES

100+ IN SOUTH FLORIDA

OUR LEADERSHIP TEAM

has more than **200 YEARS** OF COMBINED AVIATION EXPERTISE

OUR SOUTHEAST AVIATION CENTER OF EXCELLENCE HAS SERVED MORE THAN 20 AIRPORTS



Our Team

A team is only as strong as the people assigned to the work. We stand ready to hit the ground running with exceptional leadership, similar experience, innovative ideas, and valuable City knowledge. We provide a full service, committed team of professionals who recognize and understand the key priorities and offer a broad range of engineering and construction-related services necessary to achieve the City's goals. **We are 100% committed to delivering your work program on time and within budget.**



Cody Parham, PE

Program Manager

West Palm Beach, FL

Having led more than 40 task orders for FXE, including the master plan capital program, Cody is ready to keep forward momentum on the Runway 9 extension program starting on Day 1 of the contract.



Raheel Dossani, PE

Deputy Program Manager

Fort Lauderdale, FL

Raheel's experience on the FXE master plan and more than 40 task orders at FXE allow him to manage airfield safety and enabling tasks, allowing Cody to stay focused on your major runway work.



Dan Suarez, PE

Program Principal

Fort Lauderdale, FL

As South Florida Office Principal, Dan has the authority to bring in any resources needed to complete the work, giving you confidence that HDR can handle anything you need.



Joe Grubbs, PE

Quality Manager

Pittsburgh, PA

Joe's resume of 40+ runway projects and 4 years as HDR's quality manager for FXE gives you national technical expertise paired with specific knowledge of what makes FXE unique.



Sebastien Carreau

Planning Lead

Orlando, FL

Sebastien led the development of your master plan and has unmatched understanding of the environmental requirements for your runway extension. His plan for roll out of the Environmental Assessment will keep your capital program on schedule and budget.



Marc Gambrill, PE

Strategic Advisor

Fort Lauderdale, FL

After delivering \$3 billion in capital improvements as Broward County Aviation Department's Chief Development Officer, including 2 runway reconstructions, Marc's expertise in procurement, funding, and regulatory issues will help you navigate the most ambitious capital improvement program FXE has ever undertaken.



WORKLOAD

Our team’s current and projected workload is provided in the table. While the key individuals above have concurrent roles on other projects, they are all 100% available to serve when needed as your General Engineering Consultant.

	FXE GEC	MDAD	BCAD	Lakeland Linder Airport	FLL Terminal 5	FLL National Jets FBO	Palm Beach County Department of Airports
2022	40%	10%	5%	10%	20%	10%	5%
2023	40%	10%	5%	10%	15%	10%	10%
2024	60%		5%	10%	15%	10%	
2025	80%		5%	10%	5%		
2026	100%						

M/W/DBE PARTICIPATION

We have exceeded 20% DBE and M/WBE participation in both the 2014-2018 and 2018-2022 General Engineering Aviation Consultant contract cycles, despite having no DBE or M/WBE goal to meet. Not resting on this success, we’ve added new local firms to our designated subconsultant team, and will strive for 23% M/WBE participation in this contract.

OUR PAST PERFORMANCE

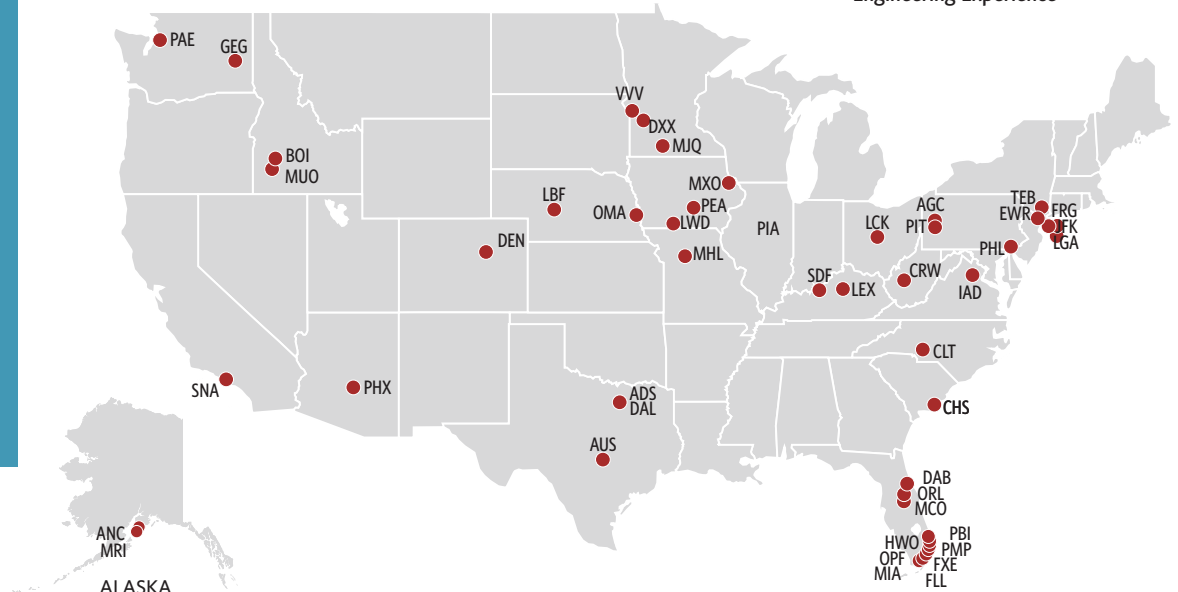
We’re proud to provide 9 project references in Section 5 - References, 6 more than requested in the RFQ. Highlights from these reference projects that apply to FXE include:

- LEX Runway 4-22 Rehabilitation was named Airport Business Magazine 2022 Project of the Year for completion of construction for the 7,000-ft x 150-ft runway rehabilitation – for \$16 million in just 72 hours – a similar size and complexity to the Runway 9-27 Rehabilitation proposed at FXE.
- FXE Runway Incursion Mitigation, where we designed the project in just 15 business days, allowing FXE to capture 100% CARES Act funding.
- Runway rehabilitations at F45 and LNA airports for Palm Beach County. We utilized an innovative ‘profile mill and overlay’ strategy that allowed the runways to be strengthened without reconstructing them, saving millions in construction costs and months of closure.

Airport General Engineering Consulting is at the Heart of What We Do

● HDR’s Airport General Engineering Experience

We share national best practices routinely through technology transfer and leverage staff from anywhere to support our locally based team when workload or expertise require it, giving FXE local service with national expertise.





Approach to Scope of Work

WE HAVE A PLAN TO ACHIEVE YOUR GOALS AND OBJECTIVES

Through the last eight years working at FXE, we understand what the Airport leaderships goals and objectives are over the next 4 years:

- Provide expanded operational capacity by extending primary Runway 9-27 and associated taxiways
- Brand FXE as a premier facility for executive-style flight services and an economic engine powering South Florida
- Execute your most ambitious capital improvement program in airport history within your schedule and budget demands

Demand for new capacity at FXE outpaces nearly all its regional peers. Our strategy for the Runway 9 Extension gives you a clear path to achieve this goal within budget and schedule constraints.

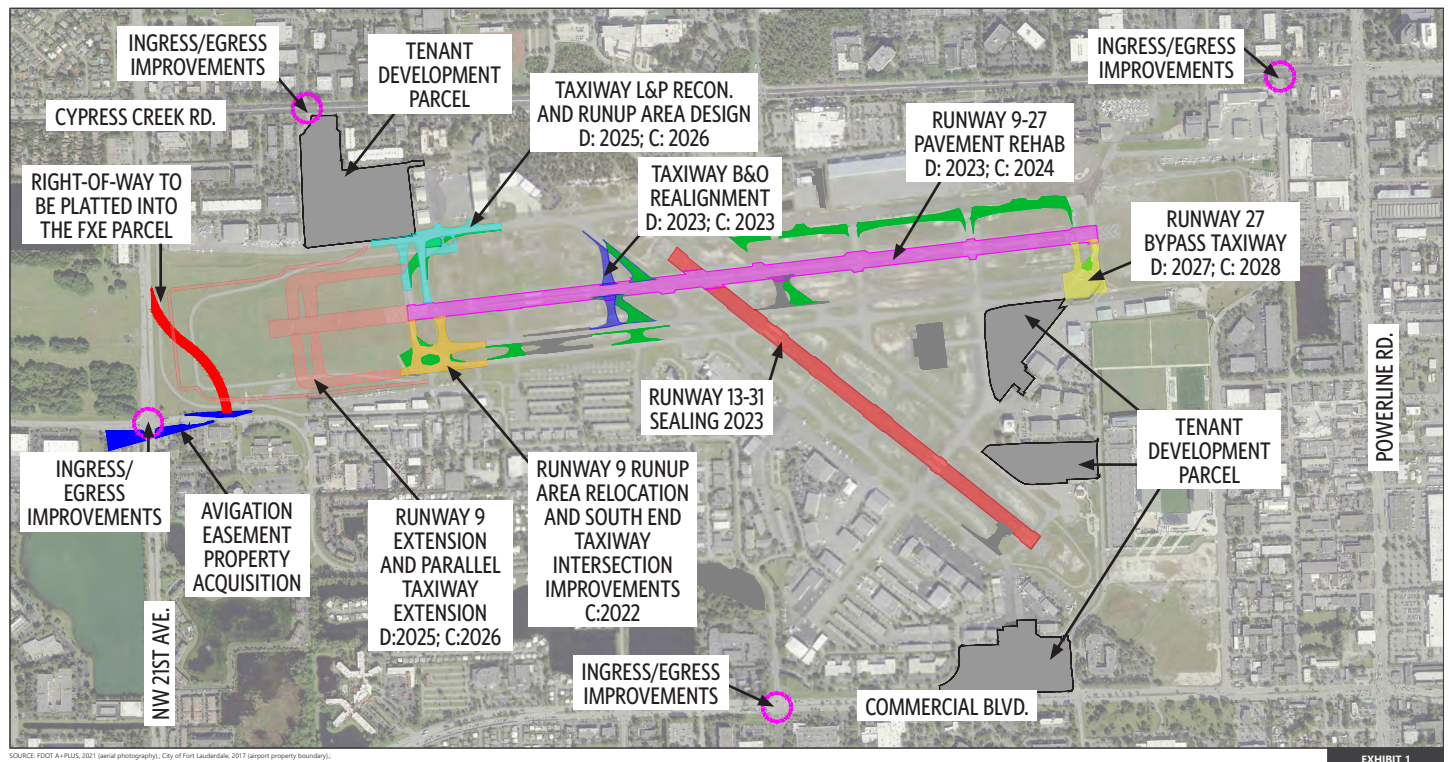
The next four years at FXE will be defined by our collective ability to expand capacity on the airfield while maintaining a safe operating environment. The figure below shows the major work programmed and the expected design and construction start dates.

Airports At-Risk for Operational Constraints

AIRPORT NAME	FAA ID	DEMAND/CAPACITY RATIOS			
		2014	2020	2025	2035
Ft. Lauderdale Executive	FXE	87.5%	93.5%	99.7%	113.4%
Miami-Opa Locka Executive	OPF	80.9%	87.6%	92.5%	103.3%
Miami International	MIA	60.9%	66.8%	71.9%	82.4%
Palm Beach International	PBI	62.4%	67.6%	71.0%	78.1%
Ft. Lauderdale/Hollywood International	FLL	45.1%	57.4%	62.9%	74.6%
Orlando International	MCO	39.9%	47.8%	53.2%	64.7%

Sources: FASP 2035 Phase 1 Airport D/C Analysis, FAA TAF (January 2017), 5010 Airport Master Records (extracted October 2016).

Major Work Programmed Map

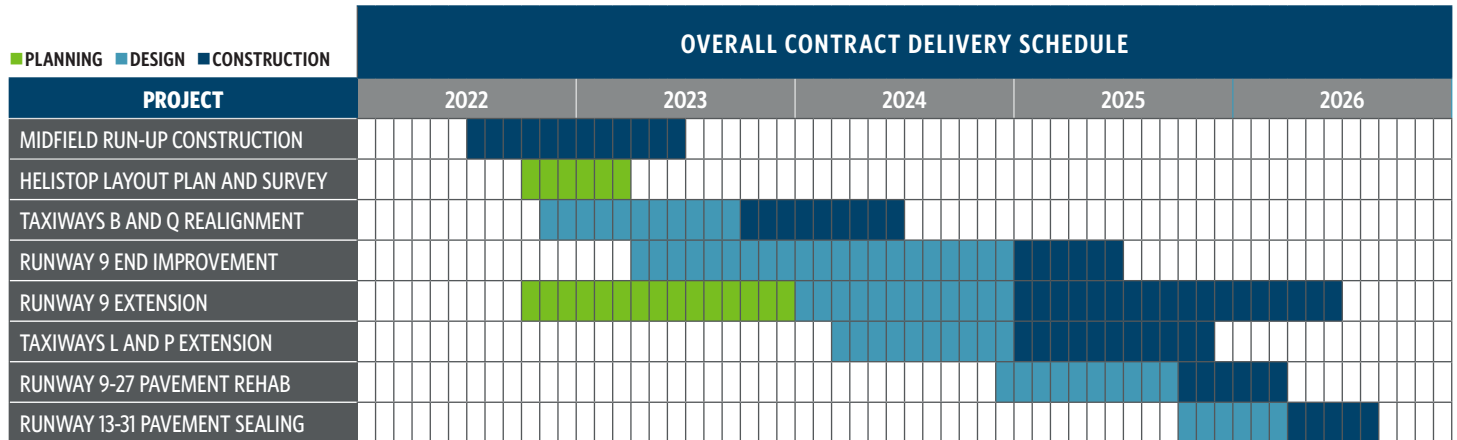


SOURCE: FOOT & PLOT, 2021 aerial photography; City of Fort Lauderdale, 2017 airport property boundary; PREPARED BY: HDR, Inc., March 2022.

EXHIBIT 1



We know your capital improvement program goals and the challenges they face. We have a schedule ready to execute your program starting on Day 1, no learning curve required.



For this contract, our team now includes strategic communication professionals with airport and local experience to elevate FXE's brand.



New Monument Signage and Landscaping at Main Entrances, like NW 21st Avenue, Elevates FXE's Brand in the Community

The airport is undertaking its largest capital improvement program ever with the extension of Runway 9.

Our plan for execution of the Environmental Assessment, Property Acquisition, and Part 163 compliance will guide our efforts over the next 4 years and keep your work program on schedule and within budget.

For a more detailed and extensive description of our approach to several of your major projects, see Section 4 - Approach to Scope of Work.

Our roadmap for the Runway 9 Extension keeps your program on schedule and compliant with FAA regulations.

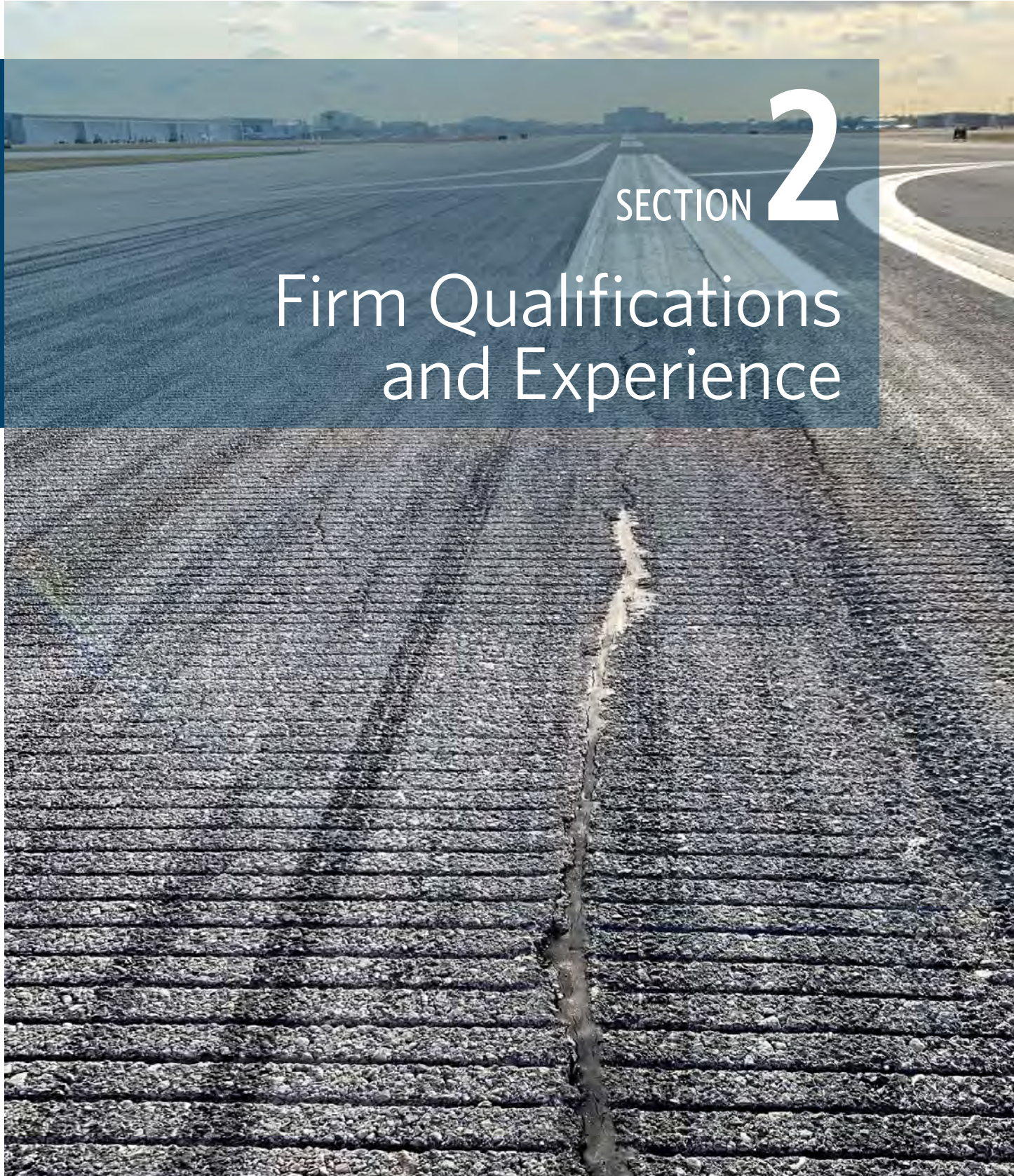
Pre-Environmental Assessment Tasks

Section 163 Review

Pre-EA Activities; Identify:

- Cooperating Agencies
- Preliminary purpose and need statement
- Preliminary range of alternatives
- Potentially significant environmental issues and community concerns
- Potentially impacted environmental resources
- Potential mitigation strategies for any potentially significant effects

Review and Resolve Property Official Records



SECTION **2**

Firm Qualifications
and Experience

Firm Qualifications

We are proud to bring you a strong local team that is recognized and has a proven record of accomplishment as having the best technical capabilities in the aviation industry. To maintain position within the industry and keep pace with the elevated demand, FXE must continually enhance airport operation capacity, enhance the signage/wayfinding through-out the airport to expand airport facilities to meet future demands while maximizing funding opportunities. To accomplish this, you need an intuitive partner that has the depth of resources and experience to provide General Engineering Aviation Consultant services with national expertise and local experience elevating the aviation experience and partnership at your airport.

A Global Firm

HDR is a nationally recognized, employee-owned multidisciplinary firm providing professional services/initiatives including aviation, architecture, engineering, project delivery, asset management, environmental sciences, commissioning & operations, planning & consulting, right of way, economics & finance, program management, and sustainability & resiliency to both our private and public sector clients. Our commitment to clients and our past performance, over our 104-year history, are best demonstrated by the vast number of infrastructure projects in successful operations across the world and repeat business with our clients. With more than 10,000 employee-owners located in 225+ offices, HDR brings **Global Expertise and Technical Support** through our local offices.

OUR EXPERIENCE

Through our involvement in the **FXE GEC** contract, we **led and delivered more than 40 task orders in 6 years**, providing services ranging from midfield engine run up ramp design to extension of staff soliciting tenant support letters for the Runway 9 Extension.

HDR led several major projects under our **Broward County Aviation Department (BCAD), General Engineering Consultant** contract including performing a forensic study to determine potential causes of the failure of new asphalt pavement, design/construction of the Terminal 4 Apron, Terminal site fuel contamination remediation, and the design/construction for the renovation of four existing pedestrian bridges at FLL.

Through our involvement in the **City of Pompano Beach Professional Engineering and Consulting Services for the Municipal Airpark (PMP)**, we obtained FAA funding for the extension of Runway 28 and coordinated all regulatory approvals for the work on behalf of the sponsor.

We're consistently ranked as an industry leader by ENR Top 500 Design Firms.

Here's our 2021 rankings:



#6 Top 500 Design Firms



#9 Top 10 in Consulting/ Studies Work



#6 Top 20 in Transportation



#10 America's Largest Majority Employee-Owned Companies, *The Employee Ownership 100*



#7 Top 50 Program Management



#11 Top 25 in Airports



#8 Top 10 in Engineering/ Design Work



#11 Top 200 Environmental Firms

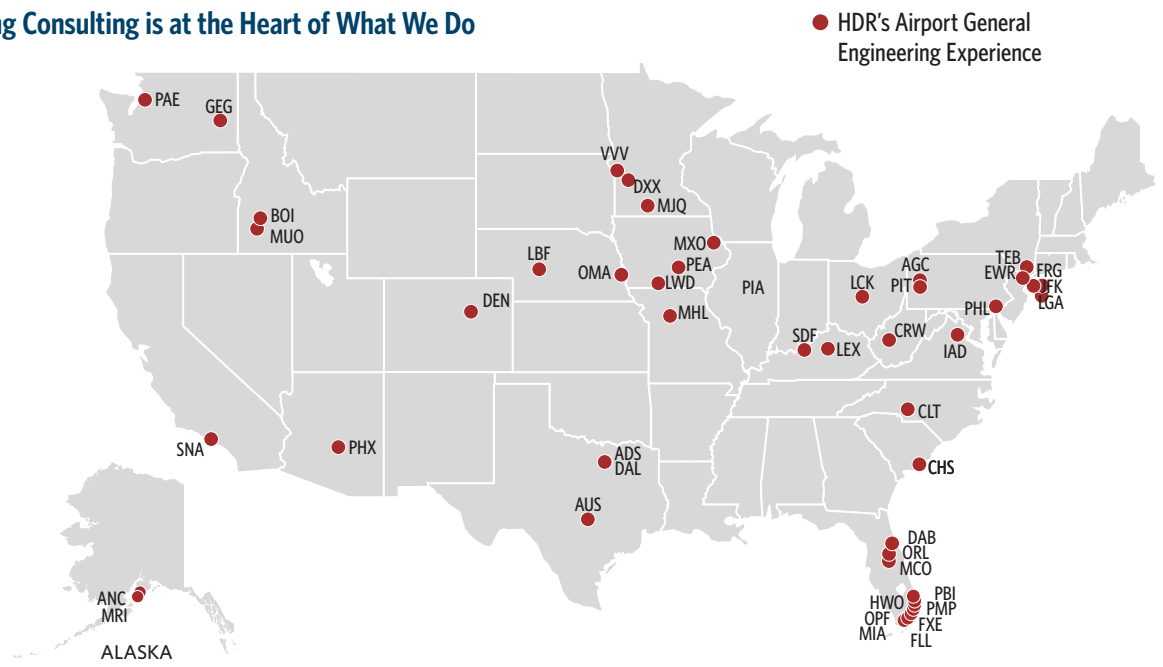


We are a National Aviation Leader

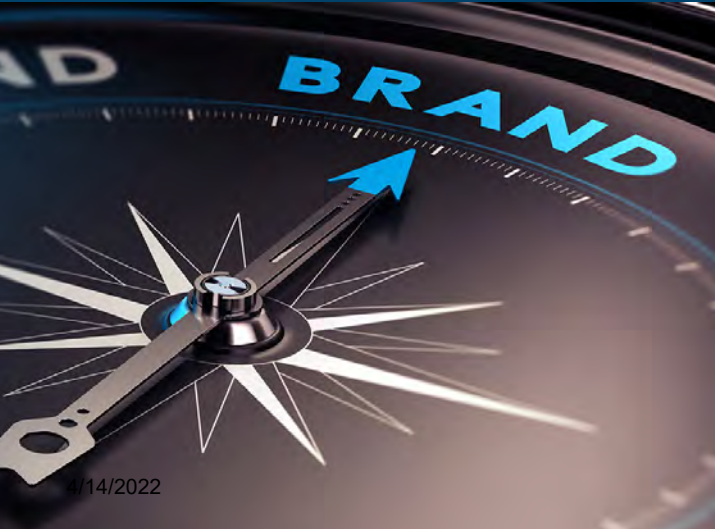
HDR’s aviation team is a multidisciplined, full-service infrastructure engineering firm committed to providing innovative, cost-effective, constructible design and management support services to our aviation clients across the nation. We have a world-class aviation division with a long history of providing GENERAL ENGINEERING AVIATION CONSULTANT SERVICES at airports in the United States. HDR offers our technical expertise, resourcefulness, and creativity to meet our client’s every need, especially meeting schedule and budget constraints. Our expertise includes planning, design, program support, program management, and construction management services for airside, passenger terminals and landside infrastructure, and facilities projects. HDR can provide a wide array of services ranging from feasibility and site selection studies to design, program management, commissioning, and operational readiness for facilities for community, regional, and international airport projects.

Airport General Engineering Consulting is at the Heart of What We Do

We share national best practices routinely through technology transfer and leverage staff from anywhere to support our locally based team when workload or expertise require it, giving FXE local service with national expertise.



Branding and Communications for Transportation Agencies



For airports and other agencies alike, HDR’s brand and strategic communications practitioners have developed, supported and extended transportation brands into communities for decades. At Pittsburgh International Airport (PIT) and Allegheny County Airport (AGC), our strategic communications team led the rebranding of the organization. Later, HDR worked with the airport team to make sure that PIT’s Terminal Modernization Program wayfinding and signage systems were all mutually supportive. HDR has also developed dozens of brands for transit and transportation agencies alike, including Low Country Rapid Transit in South Carolina and PennDOT Pathways for the Pennsylvania Department of Transportation.



Closer to Home

HDR maintains a strong local presence with regional offices throughout Florida, including three in South Florida: Fort Lauderdale (5 minutes away), Miami, and West Palm Beach. Our South Florida team, led by Cody Parham and Raheel Dossani, have the experience and knowledge of local conditions and regulations at FXE to efficiently progress any type of project. We provide a deep bench of local engineering professionals available to FXE at a moment's notice. We provide a comprehensive suite of in-house services and similar project experience, as demonstrated in detail throughout this proposal. Our ability to draw upon company-wide resources is a great strength in meeting and exceeding FXE's expectations.

For this contract to be successful, you need team members who bring the right experience, understand FXE's process and are committed through the life of the contract. Our Program Manager, Cody Parham, has been actively managing the FXE GEC Services contract and brings 15 years of experience. He brings to FXE the best practices that he has developed through the successful completion of more than 40 task orders for you. Cody is 100% committed and available to be your Program Manager. We have partnered Cody with our Deputy Program Manager, Raheel Dossani, who brings FXE experience gained by serving as your Project Engineer for the FXE GEC projects. Raheel's knowledge of your processes will be essential to meeting the schedule and budget for your projects.



Meeting Your Requirements

As required in the RFQ, HDR meets and exceeds your minimum qualifications of 10 years' experience for general engineering experience both nationally and locally.

Our team combines Fort Lauderdale experienced, local staff with national experts on airfield design. Teaming our local and national experts will yield a more efficient design process, save design costs, and deliver high-quality projects for FXE. We can confidently say this because we have done it over and over for clients across the country and especially locally with this same team. Additionally, the processes we have developed during the COVID pandemic have strengthened our ability to deliver high-quality work on large design assignments, regardless of operational in-person requests.

As demonstrated above, the HDR team understands that successful general engineering aviation consultant services depend on the ability to mobilize teams with the necessary skills to complete a variety of assignments, verify the technical quality of the work, and adhere to budget and schedule. HDR leadership, personnel selected for this assignment, and our considerable bench of additional resources are available and eager to support this contract for FXE without conflicting with other projects.

The HDR team is organized for technical proficiency and working knowledge of FXE's policies, procedures, and methods for conducting business. We have extensive national and local experience at a variety of airports demanding creative solutions for complex construction phasing and a wide range of project types.



Our **Program Manager, Cody Parham, PE**, understands the issues facing airports, including programming and implementation of capital improvement and maintenance programs for small to large commercial service and general aviation facilities. Cody is based in South Florida and has more than 15 years of experience providing consulting services to airports throughout Florida and the United States. Cody's experience includes aviation site layout and design; stormwater management design; hydraulic design and hydrologic modeling; site grading; erosion and sedimentation control; layout and design of utilities, entitlement acquisition and construction administration. He is active in industry technical and leadership organizations, and is an advocate for innovation in the design and management of aviation infrastructure. He has recently spearheaded initiatives for the implementation of Building Information Modeling (BIM), and the FAA's 40-year pavement design life initiative.

What is your role as Program Manager as it relates to helping the City of Fort Lauderdale/FXE meet their goals for this contract and leading the HDR team?

"My role is to make sure you're satisfied to have chosen HDR as your general consultant. I will serve as your primary point of contact for the consultant team and will be the one responsible for understanding your challenges and how best to achieve your goals. To this end, I will be an advocate for innovation in our work together. I will keep you abreast of trends in the industry and seek out tools that ultimately produce better work and reduce the stress of operating your airport."

Cody's relevant experience includes:

- **Fort Lauderdale Executive Airport General Consultant | Program Manager**
Project manager for more than 40 task orders serving FXE and the downtown heli-stop. Developed your 10-year capital improvement plan as part of the master plan update.
- **Pompano Beach Airpark General Consultant | Program Manager**
Programmed and designed utility and stormwater improvements to activate formerly vacant parcels for lease, similar to the drainage improvements needed at FXE.
- **Broward County Aviation Department Various Projects | Deputy Program Manager**
Led the design team responsible for rehabilitation of critical Runway 10L-28R, similar to FXE's need to rehabilitate critical Runway 9-27.
- **PBCDOA Civil Consultant | Program Manager**
Providing grant support services to meet funding challenges for runway and ramp construction at 2 general aviation airports, similar to the funding challenges that FXE faces.
- **PBI Central Airfield Rehabilitation | Deputy Program Manager**
Implemented 3D visualization for more effective stakeholder outreach and operations planning, similar to the approach we will use for the Runway 9 Extension Environmental Assessment public outreach.
- **Various Land Development Projects in Broward County | Program Manager**
Performed site layout, engineering design, obtained entitlements, and oversaw construction for various land development projects in Broward County, including hotels, shopping centers, parks, and residential projects. Cody's knowledge of permitting authorities and entitlement processes in Broward allow him to create rigorous and realistic design and permitting schedules.

HOW WILL CODY'S EXPERIENCE TRANSLATE TO THE SUCCESSFUL DELIVERY OF THIS PROJECT?

☑ Through Cody's prior experience, he understands how critical it is to **LISTEN FIRST** to obtain a clear understanding of your objectives and preferences, requirements and needs, project information, and criteria for success.

☑ Cody is an **EFFECTIVE COMMUNICATOR**. He understands how and when to engage the Airport staff and management in discussions that are most meaningful to them, while being respectful of their time.

☑ Cody brings many "best practices" from his previous projects. This experience will allow him to provide **STRAIGHTFORWARD ANSWERS** to your questions, and achieve **TECHNICALLY SOUND, VALUABLE SOLUTIONS** that meet your needs.

☑ Cody is **READY AND AVAILABLE** to serve as Program Manager. He is **100% COMMITTED** to assign the necessary resources who will be fully available. Cody is **LOCAL TO SOUTH FLORIDA**, and his specific experience working with the Airport and surrounding local communities gives him the **NEEDED SKILL SET** to support the City of Fort Lauderdale and FXE.



Relevant Experience Demonstrates Our Ability to Deliver Projects Successfully at FXE

HDR has a proven track record of success completing similar contracts both nationally and locally, especially in the tri-county area of Broward, Palm Beach, and Miami-Dade. The past performance examples we provide below speaks to our longstanding local relationships and our national expertise. The list below represents a broad range of aviation-related services for every project type, from the earliest site selection and planning stages through design, construction, and close-out. Most importantly, all projects were completed successfully on time and within budget.

As demonstrated in this matrix, HDR has deep experience delivering projects similar to yours.	Engineering Design and Construction Management/Inspection	Surveying	Structural/Mechanical	Geotechnical Testing and Analysis	Cost Estimating and Scheduling	Grant Support	Electrical	Site Plan Review and Analysis	Environmental Assessment/Environmental Impact Statements	Bidding	Architecture and Landscape Architecture	Airport Master Planning
PROJECTS												
Fort Lauderdale Executive Airport (FXE), General Consultant	■	■	■	■	■	■	■	■		■	■	■
Pompano Beach Municipal Airpark (PMP), Professional Engineering and Consulting Services	■	■	■	■	■	■	■	■		■	■	■
General Engineering Consultant, Broward County Aviation Department	■	■	■	■	■	■	■	■	■	■	■	
Airport General Consultant, Miami-Dade Aviation Department	■	■	■	■	■	■	■	■		■		
General Engineering Consultant, Palm Beach County Department of Airports	■	■	■	■	■	■	■	■		■		
Palm Beach International Airport (PBI) Central Airfield Rehabilitation	■	■	■	■	■	■	■	■		■		■
Blue Grass Airport, Runway 4-22, Taxiway A Rehabilitation	■	■	■	■	■	■	■	■	■	■	■	■

Relevant Past Projects

Developing premier aviation facilities and enhancing operations is your vision. We turn your vision into a reality that reaches new heights in operational excellence and long-term economic growth. Whether it is airside improvements, air service expansion growth, regulatory changes, sustainability or even airspace travel, we collaborate with you to tackle your complexities and deliver the right solutions customized to your unique needs. Our team's structure provides clear roles, responsibilities and lines of authority, and a depth and breadth of technical experts to deliver any project assignment for the FXE General Engineering Aviation Services contract.

Fort Lauderdale Executive Airport (FXE), General Engineering Consultant, City of Fort Lauderdale, FL

HDR is in its second consecutive term as the City's General Engineering Consultant for FXE and the Downtown Heliport. To date, HDR has delivered more than 40 task orders in 6 years totaling \$1,800,000 in professional services and \$16,000,000 in construction value. Services range from planning to design and construction and involve architecture, interior design, civil engineering, structural, and mechanical/electrical/plumbing/fire design for horizontal and vertical facilities.

Dates of Service: 2014-2022 • Design Value: \$900,000 • Construction Value: \$10,000,000 • Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, Sebastien Carreau, and Marc Gambrill



Pompano Beach Municipal Airpark (PMP), Professional Engineering and Consulting Services, City of Pompano Beach, FL

HDR served as the City's General Consultant for the Pompano Beach Airpark (PMP). To date, HDR has delivered 3 task orders in 7 years totaling \$500,000 in professional services and \$5,000,000 in construction value. Services include runway extension planning and design, stormwater management improvements, and major utility extensions to activate airside parcels for lease and development.

Dates of Service: 2016-2022 • Design Value: \$500,000 • Construction Value: \$5,000,000 • Project Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, and Marc Gambrill



General Engineering Consultant, Broward County Aviation Department, Broward County, FL

Open-ended engineering aviation consulting services contract for the Broward County Aviation Department in Broward County. HDR led a team of specialty subconsultants in support of BCAD's Capital Improvement Program (CIP) with a range of projects performed by our team including environmental engineering services; airside infrastructure studies and improvements; safety, security, and communication projects; tenant improvements; airport facility refurbishments and improvements; terminal development improvements; landside infrastructure studies; airport development; and airport capital project support.

Dates of Service: 2012-2022 • Design Value: \$2,000,000 • Construction Value: \$11,300,000 • Project Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, and Dan Suarez



Airport General Consultant, Miami-Dade Aviation Department (MDAD), Miami-Dade County, FL

MDAD selected HDR to provide general civil engineering services on a task order basis for a six-year term. These projects involve rehabilitation and improvements to aprons, taxiways, runways and underground utilities terminal-wide including demolition, repair, foundations, bridges, utility relocations, fueling, canal culvert, passenger loading bridges and appurtenances at Miami International Airport (MIA), its five general aviation airports, and the MIA General Aviation Center. Scope of services includes program verification, schematic design, design development, contract documents, bidding assistance, and construction phase services.



Dates of Service: 2018-2022 • Design Value: \$1,200,000 • Construction Value: \$14,000,000 • Project Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, and Marc Gambrill

General Engineering Consultant, Palm Beach County Department of Airports (PBCDOA), Palm Beach County, FL

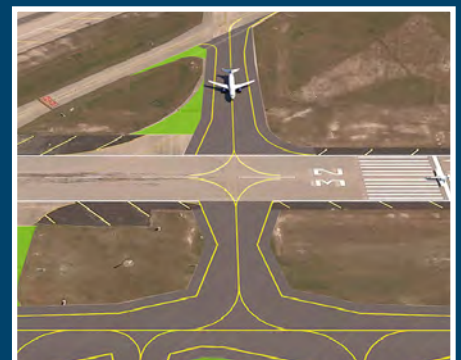
HDR is providing on-call civil planning, design, engineering, and construction related services for PBCDOA's four airports. Services include civil, structural, mechanical, electrical, and transportation engineering, as well as other planning, design, and construction related tasks. This includes horizontal infrastructure design, general civil and airfield electrical design of runway, taxiway and aircraft parking apron facilities, as well as site development, utility planning and design, and roadway facility planning and design.



Dates of Service: 2018-2023 • Design Value: \$900,000 Construction Value: \$8,000,000 • Project Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, Marc Gambrill

Palm Beach International Airport (PBI) Central Airfield Rehabilitation, Palm Beach County Department of Airports, Palm Beach County, FL

Design rehabilitation of primary parallel Taxiways B for Runway 14-32, the rehabilitation of Runway 14-32 shoulders, realignment and reconstruction of Taxiway F to facilitate hot spot mitigation, and stormwater upgrades. HDR developed a proactive plan to coordinate required field service work and facilitate key decisions that needed to be made with PBCDOA staff to improve team communication during the COVID pandemic. Due to the variety of improvements included in the rehabilitation of the Central Airfield, a variety of funding sources were utilized by PBCDOA to fund the project, including FAA AIP, FAA PFC, and local DOT. This required the team to work closely in development of budgets and opinions of probable cost that aligned with each of these funding sources. HDR also incorporated advanced aircraft movement modeling into the geometric design and phasing, which considered the mobility of the specialized military aircraft based at PBI. This advanced movement modeling supported the development of the project's CSPP, improved coordination with project stakeholders and will minimize the project's impact on the airfield during construction.



Dates of Service: 2016-2022 • Design Value: \$800,000 • Construction Value: \$9,000,000 • Project Leadership: Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, and Marc Gambrill

Blue Grass Airport (LEX), Runway 4-22, Taxiway A Rehabilitation, and Runway 22 Departure EMAS, Lexington, KY

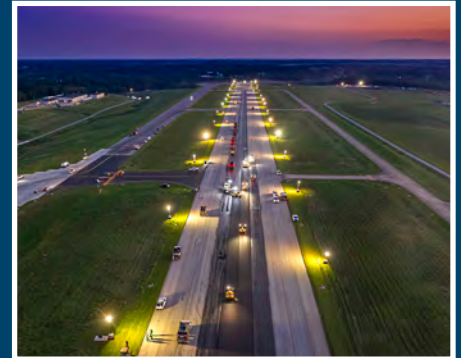
The only air-carrier runway at Blue Grass Airport required a number of grading and safety enhancements during a planned runway pavement rehabilitation. The airport turned to HDR to develop rehabilitation and safety standards updates that worked with a complex, multi-year funding plan. A key achievement was working with the airlines and all other stakeholders to develop a phasing plan that satisfied safety, operational, cost and quality targets.

Cost-Effective and Sustainable Pavement Solutions. Through pavement investigation and alternatives analysis, we partnered with LEX to develop alternative programs that would vary from complete reconstruction to rehabilitation. The result is a project that provides LEX with a pavement rehabilitation strategy that corrects the runway deterioration and minimizes the operational impacts to the airport. The pavement rehabilitation strategy included developing details to address deep pavement repairs during five-hour nightly construction periods while reopening the runway to airfield traffic each morning. The nightly repairs were designed to be completed over 100 consecutive nights in advance of the 3-inch mill and overlay.

Minimizing Construction Impacts on Airfield Operations. This project posed a unique challenge of operating a commercial service airport with one runway, which LEX Runway 4-22, Taxiway A Rehabilitation, and Runway 22 Departure EMAS Lexington, KY, requires the airport to be very strategic about the timing and type of rehabilitation performed so that it can maintain airfield operations. Safely phasing work to minimize the impact on operations always takes a priority for HDR's airport clients. This required HDR to work closely with the FAA ADO during development of the CSPP to analyze tower visibility, airspace penetrations, and impacts to NAVAIDs caused by construction. HDR utilized 3D modeling of the construction phasing to minimize impacts to the airport's commercial service while optimizing the contractor's available work area. Our use of visualizations and graphics as a communication tool to stakeholders and agencies simplified complex design issues into easy-to-understand visuals. Our approach allowed LEX to continue to operate as a commercial service airport throughout this multiphase construction project.

Maximizing Funding Potential. As our team began planning, it was determined that previously provided modifications to airport standards would not be legacies due to recent FAA Advisory Circular (AC) revisions. We worked with airport staff to find a balance between the new requirements of the FAA ACs and specific operational requirements of the airport so that potential FAA grant funding was not put at risk. In addition, we fast-tracked the design to position the airport to take advantage of any additional grant funding associated with the CARES Act.

Dates of Service: 2016-2022 • Design Value: \$2,000,000 • Construction Value: \$17,000,000 • Project Leadership: Cody Parham, Raheel Dossani, and Joe Grubbs





Budget, Quality, and Schedules

The HDR team is fully committed to providing the expertise and resources required to complete all projects assigned to us on schedule and under budget. Our proposed team of industry leading professionals and subconsultants will be dedicated to this contract throughout its duration to provide the highest level of service, responsiveness, and quality to FXE. In the event more resources are needed, HDR can tap into our pool of more than 10,000 employees.

As Program Manager, Cody Parham, will continuously coordinate with and monitor the performance of the team while maintaining open communications and staying up to date with all stakeholders to offer seamless execution on all projects. Throughout our experience of similar general engineering aviation service contracts, we have found our main drivers for successful execution are having:

- Well-established scheduling procedures
- Effective communication channels
- Well-established cost estimating methods
- Proven QA and QC program
- Trained, experienced, and qualified personnel
- Experience on similar projects

Effective Scheduling

With a long and successful record of completing design projects within programmed schedules, we recognize that a carefully planned design and construction schedule is paramount to the success of any project. Having prepared schedules for numerous past projects, we know that each key element of the design and construction phases must be evaluated before your plan is implemented. We'll use this experience to establish a schedule that meets your needs.

Cost Control

Based on experience born of project success, HDR's standard operating procedures makes sure that our Program Managers prepare detailed monthly budget analyses that compare project expenditures with revenues and schedule. Program Managers are held accountable to HDR's executive leadership to verify that clients are satisfied and that projects remain within budget and on schedule. These status reports create an environment in which Program Managers can maintain a constant understanding of project status.

HDR identified over \$150,000 in unearned contractor billings throughout the duration of the Runway Incursion Mitigation project at FXE, resulting in zero financial change orders





Our Sustainable Business Practices

HDR's Initiatives Toward Its Own Sustainable Business Practices and Demonstrated Commitment to Conservation

We put a strong emphasis on sustainability at all levels of the company. We believe it is our professional responsibility to our employees, clients, the industry, and the environment to challenge conventional thinking as we create places that are good for our clients, our communities, and our planet. Our Sustainability Vision guides our decisions related to sustainability. As part of our company's strategic planning process, the vision is updated regularly to verify that we are at the forefront of sustainable business practices. We began the process of addressing our organization's environmental impacts over 10 years ago. We have focused on understanding our most significant impacts as a service organization and are aggressively working to reduce our carbon footprint by improving operational efficiencies, engaging staff participation to green our offices, and developing sustainable solutions in the areas where we have the most significant impacts.

Sustainability is a core component of project delivery at HDR. We partner with you to determine integrated, sustainable solutions – always striving to provide more value on your projects. Our firm is consistently ranked among the top green design firms, and we have a history of delivering award-winning work.

A successful sustainability solution is not only good for the environment; it must also lead to better economic and social outcomes. We will work toward this balance while finding the smartest solution for you.

Our ability to deliver a project that meets your sustainability goals is enhanced by the broad expertise of our people. Our in-house specialists include experts in climatology, natural resources, renewable energy, LEED®, Envision®, commissioning, economic modeling, measurement and verification and community planning. We can quickly pull together the top minds and resources across the country to help us meet your unique project needs.

By working together, we can push the boundaries of what's possible and deliver a sustainable project that will flourish in your community.

Implementing Strategies with Multiple Sustainability Benefits

<p>10.5% emissions reduction 2011 - 2018</p> <p>With the largest reductions in purchased electricity.</p>	<p>Scope 2 emissions have decreased by more than 26% since 2011</p>	<p>Sustainability is integral to our new headquarters building, which achieved both</p> <p>LEED BD+C NC v4 Gold and a Fitwel ★★ ★ 3-Star Rating</p>
<p>Our Sustainable Office Finish Standards outline use of low-flow fixtures in office fit-out and renovation, with a 20% savings requirement for newly installed fixtures</p>	<p>Emissions per FTE have decreased by more than 20% since 2011</p>	<p>More and more offices are developing composting programs and we integrate sustainability into our conferences, helping us divert more than 43,000 pounds of waste from landfills each year</p>
<p>Our Catering Guidance Checklist specifies providing condiment items and beverages packaged in bulk where applicable; avoiding individually boxed lunches; and encouraging vendors to switch to reusable serving dishes they collect after the meal.</p>		<p>Recognized as a Leader in Sustainability and Corporate Responsibility</p> <p>AME 2019 Alliance Workplace Excellence Workplace Excellence Seal of Approval Health & Wellness Seal of Approval EcoLeadership Award</p>
<p>33 offices 34 events more than 1,200 service hours</p>		<p>Rankings</p> <p>Engineering News-Record No. 7 - Top 100 Buildings Green Design Firms No. 1 - Top 5 in Green-Buildings Health Care No. 3 - Top 10 in Hydro Plants No. 7 - Top 10 in Solar Plants No. 8 - Top 10 in Air Quality/Clean Energy</p> <p>Architect 50 No. 4 - Top 50 Firms in Sustainability</p>
<p>In 2018, HDR started using Fitwel, a global building certification system that promotes health, signing on as a Fitwel Champion, and certified our first office in Arlington, Virginia. In 2019, we certified our Seattle office (1 star) and the new global headquarters in Omaha, Nebraska (3 stars).</p>		<p><i>"It's important for HDR to walk the talk when it comes to designing spaces that promote health. Fitwel is just as important to us as the Envision framework for sustainable infrastructure and the LEED certification for sustainable buildings that we use for our client projects."</i></p> <p style="text-align: right;">Michaella Wittmann, Sustainability Director</p>



HDR has helped shape the Institute for Sustainable Infrastructure (ISI) and Envision (ENV SP) community through active involvement in the organization and through helping guide our clients to register projects for verification. HDR keeps an in-house library of learned for Envision credit applications, which allows us to efficiently advise the City on how to earn potential credits in a cost-effective manner.

Leadership in ISI and Envision

Below are some of the ways HDR is committed to ISI and Envision:

- First company to register a project with ISI & first to achieve an Envision project verification
- Charter Member of the Institute for Sustainable Infrastructure (ISI)
- First to commit to 100 ENV SPs; numerous firms followed our lead; currently more than 125* ENV SPs
- HDR professional on the Envision Review Board (ERB)
- HDR is helping ISI develop an Envision review for programmatic level projects
- Active on ISI committees
- Actively engaged in numerous Envision projects
- Envision third-party verification provider with many verifiers on staff
- Two HDR employees approved to provide Envision Accreditation Workshops that can be delivered to clients

WHEN YOU KNOW ENVISION, YOU KNOW SUSTAINABILITY!

20 VERIFIED PROJECTS		
1. William Jack Hernandez Sport Fish Hatchery, Anchorage, AK - First-Ever Envision Project Award (Gold)	8. Marshalltown Generating Station, Marshalltown, IA (Platinum)	15. West Riverside Energy Center, Beloit, WI (Platinum)
2. Historic Fourth Ward Park, Atlanta, GA (Gold)	9. Dubuque Solar Project, Dubuque, IA (Platinum)	16/17. Owls Head and Oakwood Beach Wastewater Treatment Plants, Dechlorination Facilities, New York, NY (Bronze)
3. Holland Energy Park, Holland, MI (Platinum)	10. Georgetown Wet Weather Treatment Station, Seattle, WA (Platinum)	18. BDCWWTF Solids Dewatering and Campus Wide Improvements, Westminster, CO (Bronze)
4. Kansas City Streetcar, Kansas City, MO (Platinum)	11. Cedar River Flood Control System at New Bohemia/Sinclair Neighborhood, Cedar Rapids, IA (Bronze)	19. Little Patuxent Water Reclamation Plant, Biosolids Master Plan/Processing Facilities Improvements, Howard County, MD (Silver)
5. Hardeeville Water Reclamation Facility, Hardeeville, SC (Bronze)	12. OC Streetcar, Santa Ana, CA (Silver)	20. Riverfront Revitalization Project, Omaha, NE (Platinum)
6. I-4 Ultimate Project, Orlando, FL (Platinum)	13. Bayonne Bridge Navigational Clearance Program, New York, NY (Silver)	
7. City of Phoenix, 27th Avenue Compost Facility, Phoenix, AZ (Silver)	14. Southport Levee Improvements, West Sacramento, CA (Platinum)	



Business Structure

HDR (Corporation) is a full-service employee-owned firm specializing in engineering, architectural, environmental, community planning, and management consulting services with more than 10,000 professionals in 225 locations worldwide. As a Nebraska Corporation founded in 1917 and licensed to do business in Florida, HDR employs more than 500 professionals throughout the state and has 3 offices in South Florida. As a multi-disciplinary firm, HDR has professional capabilities to provide complete socioeconomic, infrastructure, environmental, and community involvement services. HDR is an employee-owned company. No manager or employee owns more than 1% stock in the company.

Engineering

Licensee
Name: HDR ENGINEERING, INC. License Number: 4213
Rank: Registry License Expiration Date:
Primary Status: Current Original License Date: 08/16/1985

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
56792	Current, Active	HUNT, JENNIFER ERIN	Registry		Professional Engineer	02/28/2023

Landscape Architecture

Name: BURKE, WILLIAM JOSEPH License Number: LA6666693
Rank: Registered Landscape Architect License Expiration Date: 11/30/2023
Primary Status: Current Original License Date: 01/10/2003
Secondary Status: Active

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
	Current, Active	HDR ENGINEERING, INC.	Landscape Architect	08/05/2020	Landscape Architecture Business Info	

Broward County

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2021 THROUGH SEPTEMBER 30, 2022

DBA: TIMOTHY FISH PE Receipt #: 315-782
Business Name: ENGINEER (ENGINEERING FIRM) Business Type:

Owner Name: HDR ENGINEERING INC Business Opened: 10/01/2008
Business Location: 3250 W COMMERCIAL BLVD STE 10 FT LAUDERDALE, FL 33309 State/County/Cert/Reg: 55293
Business Phone: 954-647-4542 Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		15		

For Vending Business Only					Vending Type:		Total Paid
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost		
45.00	0.00	0.00	0.00	0.00	0.00	45.00	

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

WHEN VALIDATED

Mailing Address:
HDR ENGINEERING INC
3250 W COMMERCIAL BLVD STE 10
FORT LAUDERDALE, FL 33309

Receipt #: WWW-20-00231015
Paid 08/17/2021 45.00

2021 - 2022

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
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Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost		
45.00	0.00	0.00	0.00	0.00	0.00	45.00	

Signature _____
Receipt #: WWW-20-00231015
Paid 08/17/2021 45.00

Certificate of Status

**State of Florida
Department of State**

I certify from the records of this office that HDR ENGINEERING, INC. is a Nebraska corporation authorized to transact business in the State of Florida, qualified on June 20, 1985.

The document number of this corporation is P06487.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on March 22, 2021, and that its status is active.

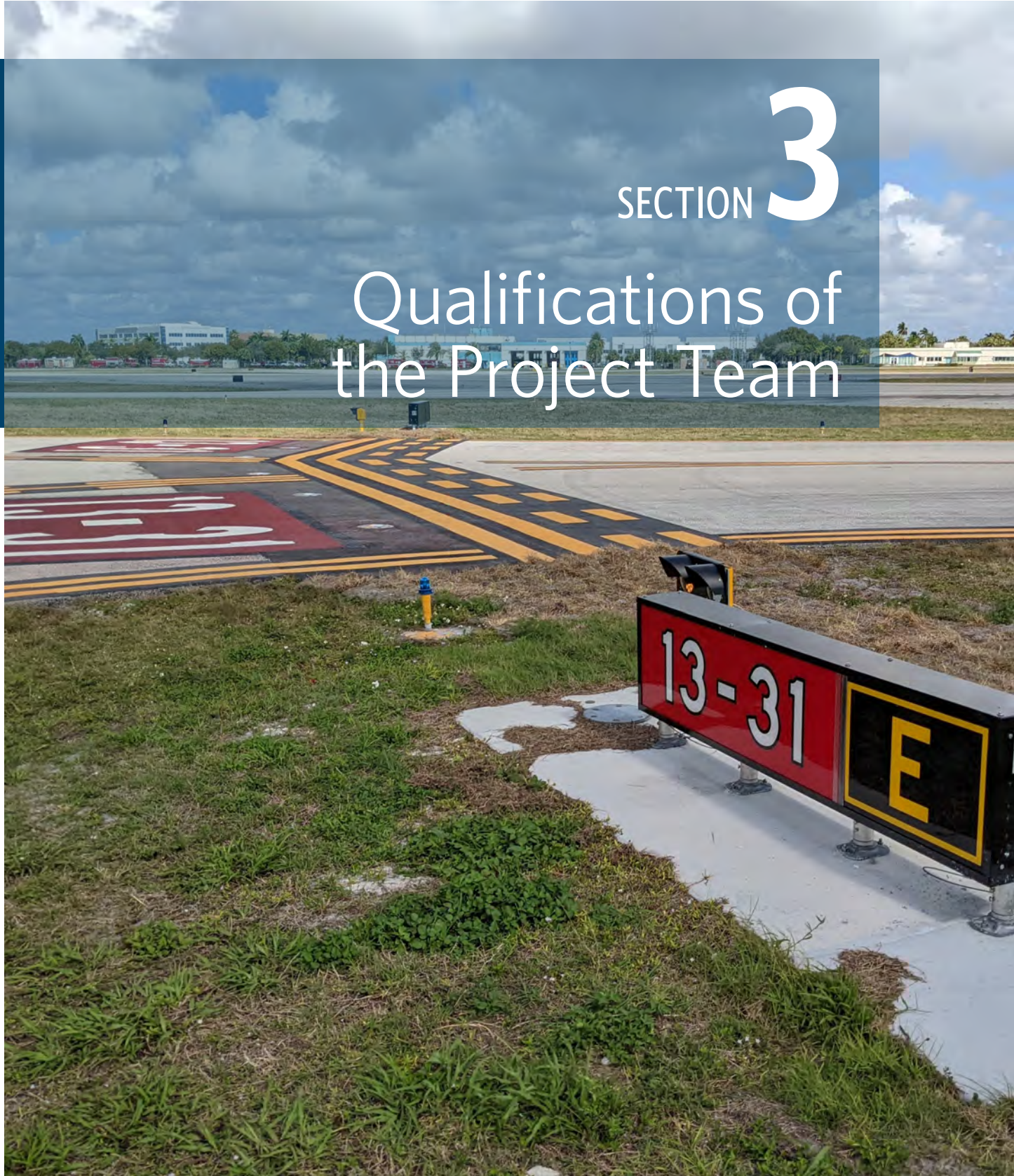
I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-fourth day of August, 2021

Ronald R. Lee
Secretary of State

Tracking Number: 8777073481CU

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



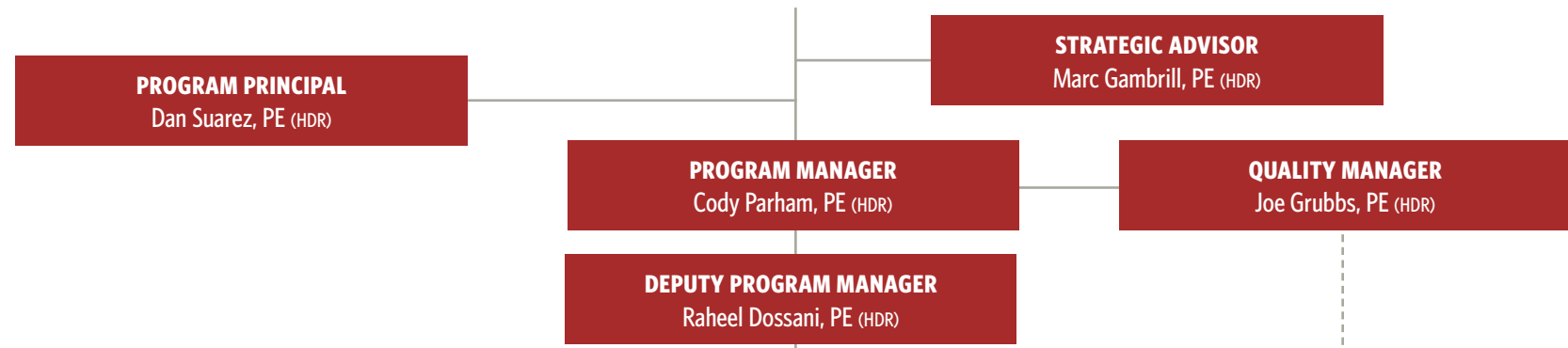
SECTION **3**

Qualifications of the Project Team

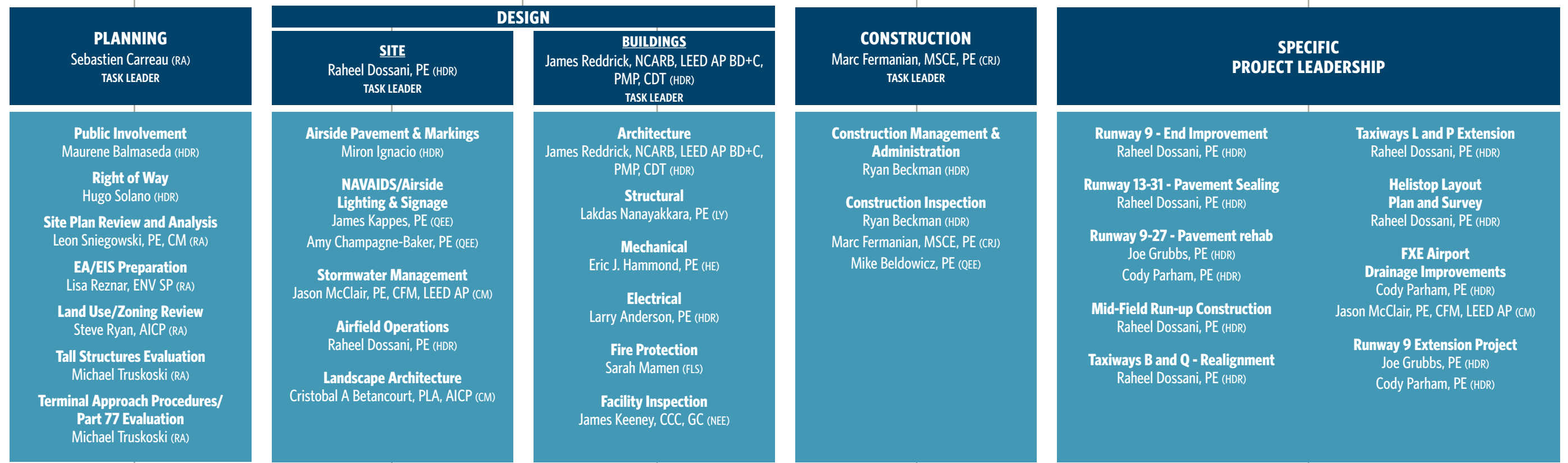


TEAM LEGEND
HDR (HDR)
Adams Consulting Group, Inc. (ACG)+
Chen Moore & Associates, Inc. (CM)
Connico, Inc. (CO)
CRJ & Associates, Inc.+ (CRJ)
Dickey Consulting Services, Inc.+ (DCS)
Faith Group Consulting, LLC (FG)
Fire, Life Safety, & Security Institute, Inc. (FLS)
Hammond & Associates, Inc. (HE)+
KEITH & Associates, Inc. (K)
Lakdas-Yohalem Engineering, Inc.+ (LY)
Nova Engineering & Environmental, LLC (NEE)
Quantum Electrical Engineering, Inc.+ (QEE)
RES/E Sciences (RES)
Ricondo & Associates, Inc. (RA)
Tierra South Florida, Inc.+ (TSF)
+ M/WBE and/or DBE Firm

PROGRAM LEADERSHIP & QUALITY CONTROL



TASK LEADERS



SHARED RESOURCES





Cody Parham, PE

Program Manager

Cody's technical expertise includes aviation site layout and design; stormwater management design; hydraulic design and hydrologic modeling; site grading; erosion and sedimentation control; layout and design of utilities, entitlement acquisition and construction administration. He is active in industry technical and leadership organizations and is an advocate for innovation in the design and management of aviation infrastructure. He has recently spearheaded initiatives for the implementation of Building Information Modeling (BIM), and the FAA's 40-year pavement design life initiative.

- Airport Consultants Council's Board of Directors Chair Award Recipient
- American Society of Civil Engineers Florida Project of the Year Recipient
- Multiple speaker roles on diversity, equity, and inclusion in the airport consulting community
- FAC Annual Conference - FXE Host Night Event Volunteer

"All the work I lead for you will be focused on enhancing capacity to meet emerging demand, elevating FXE's status in the community, and meeting your schedule and budget needs. I'm committed to supporting you in starting FXE's next 75 years on the path to success."

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

My job is to execute your vision for the next 5-10 years of capital investment into FXE and DT1. I will work with your leadership to build consensus using the relationships I've developed over the past decade serving you. I'll use the institutional knowledge and relationships I've gained in that time to deliver creative solutions that work within the unique operational environment of FXE.

CONTROL OF SCHEDULE AND BUDGET

While our solutions may be innovative, I will continue to use our proven strategies for maintaining control of schedule and budget at FXE. I've built trust with your team delivering projects for the cost and duration we promised, and that won't change. I am accountable to you for work that achieves your goals and expectations. And if it doesn't, I'll make it right.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

Planning

I assist your Assistant Airport Manager and Program Manager in programming work and establishing budgets for financial planning. Then, I work with them to define individual project scopes and the expertise needed for them. I'll work with our Strategic Advisor, Marc Gambrell, to identify and secure funding opportunities and verify compliance with grants.

Execution

I'll partner with Deputy Program Manager, Raheel Dossani, to develop a robust project management plan for each task order. The plan will define specific deliverables, milestone delivery dates, QA policies and QC procedures, and communication policies. As design progress is made, I review all deliverables regularly and approve all work products prior to delivery. I attend all major milestone review meetings, and step in to provide guidance when decisions are made that affect schedule or budget.

Follow Through

- Upon completion of planning tasks, I'll provide support in developing design scope and programming your capital improvement plan.
- For design tasks, I'll meet with your staff to map out next steps for obtaining funding, mitigating wildlife, and procuring the contractor.
- For construction tasks, I'll confirm that the project documentation is complete, financials are closed, and grant assurances are met.

WHAT QUALIFIES YOU TO BE IN THIS ROLE?

I got my start in aviation serving as an engineer-in-training on FXE's general consultant contract back in 2009. I've served FXE continuously since then to the current day. In that time, I've developed a comprehensive understanding of FXE's facilities and the people that make it run. I've put my understanding of your vision and goals to work developing a plan to execute your runway extension, branding refresh, and airfield safety improvements, and I'm ready to do it on day one.

EDUCATION

BS, Civil Engineering, Georgia Institute of Technology

REGISTRATIONS

Professional Engineer, Florida, No. 73904

PROFESSIONAL MEMBERSHIPS/ACHIEVEMENTS

American Society of Civil Engineers (ASCE) Transportation and Development Institute, Airfield Pavement Committee Member

Airport Consultants Council (ACC), Young Professionals Forum Lead

Airport Planning, Design, and Construction Symposium, Panelist and Moderator

Airport Business Magazine, Top 40 Under 40

INDUSTRY TENURE

15 years

13 years serving FXE

HDR TENURE

5 years

RELEVANT EXPERIENCE

Fort Lauderdale Executive Airport, General Engineering Consultant, City of Fort Lauderdale, Fort Lauderdale, FL

Program Manager. HDR is in its second consecutive term as the City's General Consultant for the Fort Lauderdale Executive Airport (FXE) and the Downtown Heliport. To date, HDR has delivered more than 40 task orders in 6 years totaling \$1,800,000 in professional services and \$16,000,000 in construction value. Services range from planning to design and construction and involve architecture, interior design, civil engineering, structural, and mechanical/electrical/plumbing/fire design for horizontal and vertical facilities. Responsible for leading a team of thirty staff and seven subconsultants providing planning, architectural, engineering, environmental, land development, and construction services for the airport. Notable projects include rehabilitation of primary Runway 9-27, interior planning and renovation of the Administration Building, electrical vault renovation, and expansion of the Airport Equipment Service Building. Cody's responsibilities included development program administration and management, DBE subconsultant outreach and development, and oversight of all aspects of the quality, safety, and communications plans.

General Civil Engineering Consulting Services, Palm Beach County Department of Airports, Palm Beach County, FL

Program Manager. HDR is providing on-call civil planning, design, engineering, and construction related services for PBCDOA's four airports. Services include civil, structural, mechanical, electrical, and transportation engineering, as well as other planning, design, and construction related tasks. This includes horizontal infrastructure design, general civil and airfield electrical design of runway, taxiway and aircraft parking apron facilities, as well as site development, utility planning and design, and roadway facility planning and design. Responsible for a team of thirty staff and seven subconsultants providing a full suite of civil engineering and planning consulting services to PBI and the County's 3 general aviation airports. Managed the implementation of the DOA capital program, ranging from aircraft parking studies, to runway rehabilitation design, to the reconfiguration of PBI's Turnage Blvd. to promote better cargo access to I-95. Coordinated design issues with the DOA's planning, operations, maintenance, and construction leadership.

Palm Beach International Airport (PBI) Central Airfield Rehabilitation, Palm Beach County Department of Airports, Palm Beach, FL

Deputy Program Manager. Design rehabilitation of primary parallel Taxiways B for Runway 14-32, the rehabilitation of Runway 14-32 shoulders, realignment and reconstruction of Taxiway F to facilitate hot spot mitigation, and stormwater upgrades. HDR developed a proactive plan to coordinate required field service work and facilitate key decisions that needed to be made with PBCDOA staff to improve team communication during the COVID pandemic. Due to the variety of improvements included in the rehabilitation of the Central Airfield, a variety of funding sources were utilized by PBCDOA to fund the project, including FAA AIP, FAA PFC, and local DOT. This required the team to work closely in development of budgets and opinions of probable cost that aligned with each of these funding sources. HDR also incorporated advanced aircraft movement modeling into the geometric design and phasing, which considered the mobility of the specialized military aircraft based at PBI. This advanced movement modeling supported the development of the project's CSPP, improved coordination with project stakeholders and will minimize the project's impact on the airfield during construction.

Runway 4-22 Rehab and RSA Determination, Blue Grass Airport, Lexington, Kentucky

Sr. Engineer. HDR was selected to provide professional planning and design services for the rehabilitation of the sole commercial Runway 4-22 and Engineered Materials Arresting System (EMAS) at Blue Grass Airport. We performed a pavement investigation, alternatives analysis, and runway safety area determination. We also assisted in procuring EMAS in accordance with FAA PGL 15-2, developed contract documents, and provided bid assistance. This project also included the rehabilitation of a large segment of parallel Taxiway A. HDR worked closely with the Airport and the FAA ADO to analyze tower visibility, airspace penetrations, and impacts to NAVAIDs caused by construction. We utilized 3D modeling of the construction phasing to minimize impacts to the Airport's commercial service while optimizing the contractor's available work area.

City of Pompano Beach, Professional Engineering and Consulting Services for the Municipal Airpark, Pompano Beach, FL

Contract Manager. HDR served as the City's General Consultant for Pompano Beach Airpark (PMP). To date, HDR has delivered work authorizations totaling \$450,000 in professional services and \$5,000,000 in construction value. Services range from planning to design and construction and involve architecture, civil engineering, structural, and mechanical/electrical/plumbing/fire design for horizontal and vertical facilities. Cody was responsible for a team of 10 staff and 4 subconsultants providing a full suite of planning, design, and construction services to the Pompano Beach Airpark. He managed the implementation of the Airport's capital program, including airside and landside facilities. Cody coordinated design the and construction issues with the City's airport manager, operations, maintenance, and construction leadership. He delivered all services within schedule and budget constraints while complying with the program quality, safety, and communications plans.

General Engineering Consultant, Broward County Aviation Department, Broward County, FL

Deputy Program Manager. HDR was one of three teams providing general engineering services to support BCAD's current development programs via a five-year, \$9.3 million task order contract. We led a team of seven specialty subconsultants providing a wide variety of services primarily at FLL. The range of projects includes environmental engineering services; airside infrastructure studies and improvements; safety, security and communication projects; tenant improvements; airport facility refurbishments and improvements; terminal development improvements; landside infrastructure studies; airport development; and airport capital project support. Our team was assigned more than 45 task orders totaling over \$10M in fees. These projects have been very diverse in scope and size, and have included design, studies and investigations on both the airside and landside. HDR has worked closely with the FAA as well as numerous state and local regulatory and resource agencies having jurisdiction over the BCAD aviation facilities.

A sample of recent and ongoing projects performed by our team under this contract is provided below.

- Specific Purpose Surveys of runways at FLL and NPA
- FLL Pedestrian Bridge Rehabilitation
- Implementation of an Airport Pavement Management System (APMS)
- Parcel Map for Eastside FLL
- National Car Rental Facility Site Remediation:
- FLL Phase I/II Environmental Site Assessments (ESA) for the Expanded South Runway
- Elevated Guard Lights (Wig Wags) and Elevated Signs at HWO
- FLL CCTV System
- Taxiway C Pavement Evaluation



Raheel Dossani, PE

Deputy Program Manager

Raheel has 7 years of extensive experience in transportation design. Through his project involvements background, he offers wide-spread knowledge of various aspects in Airport design. Raheel's experience includes maintenance of traffic, pedestrian bridge, roadway design and landscape design. His computer experience includes AutoCAD Civil 3D, Aviaplan, FAARFIELD, Bluebeam, Revit, Synchro, Infracore, Navisworks, MicroStation, and AutoTurn. Raheel's technical background aids him in his extensive BIM experience, including the management and coordination in design and plan production between various disciplines.

"In my role as Deputy PM, I look forward to bringing a fresh approach and better ways of helping you achieve your capital improvement goals for the airport."

EDUCATION

BS, Civil Engineering,
Florida Atlantic University, 2015

REGISTRATIONS

Professional Engineer -
Civil/Structural/Mechanical,
Florida, No. 89831

INDUSTRY TENURE

7 years
6 years serving FXE

HDR TENURE

6 years

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

My design and construction experience at FXE allows me to see projects holistically, not in a silo. I will take Cody's concepts and deliver them to the design team in a manner in which they can be efficiently implemented and meet the intent of the project team. This allows Cody to focus on serving as Program Manager to meet your needs and develop strategic plans for any future challenges.

Coordinate Concurrent Projects

FXE's lean leadership team wears a lot of hats, and they rely on their consultants to advise them when risks arise that could jeopardize their goals. In my role, I will oversee the production teams for all HDR tasks and stay abreast of the work managed by other consultants. I'll identify conflicts that may arise between operations, staging, hauling, and scheduling of your ambitious work program over the next 4 years.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

Planning

I assist our Program Manager in developing detailed scopes, schedules, and fees for upcoming work, including coordinating with our subconsultants to find new opportunities for our DBE and M/WBE partners.

Execution

I'll oversee the daily production of the work, keeping a close watch on progress to maintain schedule and budget. When issues arise, I'll elevate them to our Program Manager, Cody, and implement the solution moving forward.

WHAT QUALIFIES YOU TO BE IN THIS ROLE?

Similar to Cody, I got my start in aviation serving as an engineer-in-training on FXE's general consultant contract. I've served FXE continuously with Cody since then to the current day. In that time, I've developed a great working relationship with my teammates and the Airport. I'll leverage those relationships and the knowledge I've gained to streamline our delivery process, minimizing the effort required of the airport staff in managing our consultant contract.

RELEVANT EXPERIENCE

- Fort Lauderdale Executive Airport (FXE) General Aviation Consultant, Fort Lauderdale, FL
- General Civil Engineering Consulting Services, Palm Beach County Department of Airports, Palm Beach County, FL
- Palm Beach International Airport (PBI) Central Airfield Rehabilitation, Palm Beach County Department of Airports, Palm Beach County, FL
- Runway 4-22 Rehab and RSA Determination, Blue Grass Airport, Lexington, Kentucky
- City of Pompano Beach, Professional Engineering and Consulting Services for the Municipal Airpark, Pompano Beach, FL
- General Engineering Consultant, Broward County Aviation Department, Broward County, FL



Joe Grubbs, PE

Quality Manager

"My career's work has been to deliver quality projects at airports. I've delivered 34 general consulting contracts over the past 31 years, including dozens of runway rehabilitations and extensions. I'm looking forward to leveraging that experience as we partner to expand capacity through delivery of quality designs and construction services at FXE".

EDUCATION

BS, Civil Engineering,
Youngstown State University

REGISTRATIONS

Professional Engineer -
Civil, Florida
Civil, Virginia
Civil, Pennsylvania
Civil, New York
Civil, Ohio
Civil, Arizona

PROFESSIONAL MEMBERSHIPS

Airport Consultants Council -
Engineering Committee
American Concrete Paving Association
American Society of Civil Engineers
Aviation Council of Pennsylvania
Construction Management Association
of America
PENNDOT Bureau of Aviation - Western
Pennsylvania Representative of the
Customer Process Task Force

INDUSTRY TENURE

31 years
5 years serving FXE

HDR TENURE

4 years

Joe Grubbs, Aviation Business Class Director, has 31 years in the aviation industry. During this time, he gained expertise and first-hand experience on a broad range of aviation design projects, including pavement evaluation; concrete and bituminous pavement design; rehabilitation and de-icing collection system design. His experience also includes construction management and program management for airfield runway, taxiway and apron pavements, roadway pavements, drainage systems and airfield lighting systems. Within the past 10 years, Joe served as the program, project and design manager for three military airfield projects worth more than \$90 million in construction, and he led more than 10 commercial airfield projects worth more than \$880 million in construction. He served as a key team member on a recent runway project that opened in Columbus, Ohio, which deployed the first runway in North America lit entirely by light-emitting diodes (LED). The project won the Airport Council International - North America's Environmental Achievement Award, becoming the first airfield project ever to win this award.

- American Society of Civil Engineers Fellow

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

A complex program such as this requires a proactive QC plan that actively monitors all phases of planning, design and bid packaging. I will use QC tools, such as Bluebeam Revu, to document, track, follow up, and resolve comments to deliver a superior product prior that meets audit requirements.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

Planning

I review all scopes and fees for completeness and reasonability. I approve the job hazard assessments and risk assessments. These tools are used to identify risks to cost and schedule, and mitigate for them.

Execution

I review the QC plans and assign the most qualified reviewers, based on the skills needed. I verify quality assurance procedures are followed and that QC activities are documented.

WHAT QUALIFIES YOU TO BE IN THIS ROLE?

I have served as Program Manager for over 25 general consulting contracts at airports in 30 years, as well as performing Safety Risk Management roles on runway projects. This gives me one of the most extensive and diverse airfield design resumes in the country. I will help set up this team up for quality work by develop strategies to mitigate issues before they arise.

RELEVANT EXPERIENCE

- Fort Lauderdale Executive Airport (FXE) General Aviation Consultant, Fort Lauderdale, FL
- General Civil Engineering Consulting Services, Palm Beach County Department of Airports, Palm Beach County, FL
- Palm Beach International Airport (PBI) Central Airfield Rehabilitation, Palm Beach County Department of Airports, Palm Beach County, FL
- Runway 4-22 Rehab and RSA Determination, Blue Grass Airport, Lexington, Kentucky



Marc Gambrell, PE, AAE

Strategic Advisor

As an accredited airport executive, Marc has experience in delivering more than \$1.6 billion dollars of projects ranging from the in-line baggage screening projects, rehabilitations of several runways, renovations of Terminals 1, 2, and 3, and a new 5 gate Concourse A including the construction of the new LEED Silver Maintenance Facility at Fort-Lauderdale-Hollywood International Airport and North Perry Airport. He has 15 years of leading the execution of the Airport Capital Improvement Program, FLL & HWO Master Plan, capital and operating budget, and Noise Mitigation Program, and the architectural or engineering-related initiatives, as well as managing the capital needs of both FLL and HWO. He is an active participant in both the American Association of Airport Executives and the American Society of Civil Engineers.

- Accredited Airport Executive (AAE) 2014
- Airport Executive Leadership Programme (AELP)
- ACRP Project 11-03/Topic 09-03 Subsurface Utility Engineering Information Management for Airports
- ACRP Project 01-19 Airports Improvements: Developing a Cost Estimating Model and Database

"Airports face numerous challenges every day and it all comes down to how to accommodate air traffic growth in the most efficient yet safe and sustainable way. I am looking forward to using my aviation experience and knowledge from the owners' perspective to assist FXE capitalize on funding opportunities and efficiently manage their capacity and growth while delivering projects."

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

I will coordinate with our Program Manager, Cody Parham, to partnering with FXE to make sure we provide the best solution for each project assigned under the FXE GEC contract. I bring to FXE 15 years of aviation specific technical leadership and project management on major aviation projects to verify we continue to deliver high-quality aviation planning, design, and construction services to this general engineering aviation contract.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

In addition to being a strategic advisory, I will provide technical and constructability reviews throughout the design phase. It is good management practice to perform a complete constructability review as early as possible in the design phase to make sure review comments are incorporated into the design documents prior to bidding the project. By identifying and solving problems in the design phase, we reduce the quantity of remedial work, eliminate many change order issues, and decrease the magnitude of delay. In my role, I will review the biddability, buildability, construction staging, project schedule, project budget per phase, construction staffing requirements, project budget per phase, and construction budget especially evaluating long lead items and evaluate impact to materials due to supply chain.

WHAT QUALIFIES YOU TO BE IN THIS ROLE?

I have the experience in delivering over \$1.6 Billion of projects ranging from the in-line baggage screening projects, rehabilitations of several runways, renovations of Terminals 1, 2, and 3, and a new 5 gate Concourse A including the construction of the new LEED Silver Maintenance Facility at Fort-Lauderdale-Hollywood International Airport and North Perry Airport. As Chief Development Officer, I was responsible for leading the execution of the Airport Capital Improvement Program, FLL & HWO Master Plan, capital and operating budget, and Noise Mitigation Program, and the architectural or engineering-related initiatives, as well as managing the capital needs of both FLL and HWO.

EDUCATION

AA, Architecture, Broward Community College, Davie, FL

BS, Civil Engineering Technology, Wentworth Institute of Technology, Boston, MA

MS, Civil/Environmental Engineering, Tufts University, Medford, MA

MPA, Florida Atlantic University, Fort Lauderdale FL

REGISTRATIONS

Professional Engineer, Florida, No. 59325

INDUSTRY TENURE

29 years

HDR TENURE

1 year

RELEVANT EXPERIENCE

- Fort Lauderdale Executive Airport (FXE) General Aviation Consultant, Fort Lauderdale, FL
- Rehabilitation of Runway 10L-28R, North Perry Airport, Pembroke Pines, FL
- Extension of Runway 10R-28L, Fort Lauderdale International Airport, Hollywood, FL
- Rehabilitation of Runway 18L-36R, North Perry Airport, Pembroke Pines, FL
- Runway 9L-27R and 18L-36R Rehabilitation Overlay, North Perry Airport, Pembroke Pines, FL

Daniel Suarez, PE
Program Principal

EDUCATION:

BS, Civil Engineering, University of Illinois at Chicago
BS, Commerce, DePaul University

REGISTRATIONS: Professional Engineer,
Florida, No. 69096

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers (ASCE)
American Water Works Association
Florida Stormwater Association
Southeast Florida Utility Council

INDUSTRY EXPERIENCE: 18 years; 6 years serving FXE



Sébastien Carreau
Planning Task Leader

EDUCATION:

BS, Aeronautical Science, Florida
Institute of Technology and CERAM Business
School (France)

PROFESSIONAL MEMBERSHIPS

Airports Council International-
North America - Member
American Association of Airport Executives - Corporate Member

INDUSTRY EXPERIENCE: 20 years; 7 years serving FXE



Daniel possesses 18 years of public and private sector experience in a wide array of areas, including program management, master planning, capital improvement planning, design, and construction oversight of water, wastewater, and storm sewer facilities and infrastructure. As a

"As South Florida Operations Manager for HDR, I bring a regional perspective of construction and regulatory issues affecting development in our region."

Program Manager working as a consultant for a private utility, Daniel oversaw project planning and development, budgeting, scheduling, and programming. He managed a team of Program Managers and construction managers, and helped oversee the delivery of a 5-year, \$150-million capital improvement plan. Daniel also assisted with fee negotiations with third-party design consultants. Daniel is a polished manager, able to coordinate the delivery of projects with multiple stakeholders including project owners, regulatory agencies, designers, and contractors. Daniel is also experienced in overseeing design and construction staff and in executing quality assurance and quality control (QA/QC) measures for his projects.

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

During the scoping process, I will work with our Program Manager, Cody Parham, to plan expected outcomes, deliverables, goals, and other services. We will then use the scoping effort to develop our project work plan and management process to align project needs with the right resources. As HDR's South Florida Operations Manager, I have the authority to allocate the necessary resources needed to successfully deliver your project and fulfill your goals.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

I host monthly reviews with the project leadership team to verify that quality, safety, and production plans are being executed effectively. In the unlikely event of client service failure, I am prepared to step in and deliver the work we promised for you if needed.

RELEVANT EXPERIENCE

- Fort Lauderdale Executive Airport (FXE) General Aviation Consultant, Fort Lauderdale, FL
- Stormwater Master Plan Modeling & Design Implementation Continuing Contract, City of Fort Lauderdale, Fort Lauderdale, FL
- General Engineering Consultant, City of West Palm Beach, West Palm Beach, FL

Sébastien has 20 years of experience in the planning and programming of airport development projects throughout the Southeast and internationally. As a trusted aviation expert, Sébastien has served as the Program Manager for several airport planning assignments at both commercial and general aviation airports. As the Program Manager

"As your airport Master Planner, I'm prepared to execute the environmental phase of your Runway 9 Extension while mitigating the risks that come with an evolving regulatory landscape."

under the On-Call General Consulting Agreement with the Greater Orlando Aviation Authority (GOAA), he currently manages several tasks at Orlando International Airport (MCO).

HOW WILL YOU CONTRIBUTE TO THE SUCCESS OF THIS WORK?

As the Program Manager for FXE's master plan update in 2017, I helped you build the vision for your airfield safety improvements and the Runway 9 extension program. As a partner to HDR on your current general engineering aviation consultant contract, I've worked closely with Program Manager Cody Parham to navigate the Runway 9 extension through the convoluted FAA justification process. Together with HDR, I've developed a strategy to obtain a favorable outcome of the upcoming Environmental Assessment for the runway extension that will keep your program on schedule while minimizing risk of regulatory delay.

WHAT IS YOUR LEVEL OF INVOLVEMENT IN THIS WORK?

Prior to design of the Runway 9 extension, FXE must navigate a maze of public outreach, cultural resource review, land use reform, and Section 163 review. I'll bring on the subject matter experts in each to guide your program through the process and make sure each is coordinating with the other to present a coherent case for the runway extension.

RELEVANT EXPERIENCE

- Airport Master Plan Update, Fort Lauderdale Executive Airport (FXE)
- Fort Lauderdale Executive Airport (FXE) General Aviation Consultant, Fort Lauderdale, FL

Marty Amsler
Brand Specialist

FIRM: HDR
EDUCATION: BA, Journalism-Advertising,
University of Nebraska-Lincoln
INDUSTRY EXPERIENCE: 35 years



Marty serves as Creative Principal for HDR and brings over 30 years of experience working in the advertising and communications industry. Marty has spent his career creating unexpected work from an unexpected place. He led the effort to help make a railroad founded by Abraham Lincoln relevant in today's world. He and his team transformed a tired consumer packaged goods company with a major rebranding initiative. He has led creative teams and client partners to not only compete on a national stage, but to win. Clients have included: Panda Express, Union Pacific, Disney, ConAgra Foods, AMC Theatres, Phillips 66, HDR, IMG Academy and University of Nebraska Athletics.

Industry Experience:

- VDOT I-81 Program Communications, Virginia Department of Transportation (VDOT)
- MnDOT 35W Improvement Program Communications, Minnesota Department of Transportation
- Fredericksburg Transit Rebrand and Marketing, Fredericksburg Regional Transit
- Southeastern Public Service Authority Corporate Rebrand, Southeastern Public Service Authority

Larry Anderson, PE
Electrical

FIRM: HDR
EDUCATION: BS, Electrical Engineering,
University of Kentucky
REGISTRATIONS: Professional Engineer, Florida,
No. 76247
INDUSTRY EXPERIENCE: 46 years



Larry is an electrical engineer with diverse aviation and general project experience in electrical and communication design projects including airport runway/taxiway signage and lighting designs in compliance with FAA Advisory Circulars; airport underground power and communication ductbanks; airport access control and closed-circuit TV cameras; fiber optic communication design; coordination with FAA control circuits; airport fire and rescue facility design; and airport terminal design. .

Industry Experience:

- FXE, Aviation Equipment Service Building Expansion, Fort Lauderdale, FL
- Allegheny County Airport Authority, On-Call Engineering Services, Pittsburgh, PA
- Blue Grass Airport, Runway 4-22 Rehabilitation and RSA Evaluation, Lexington, KY
- Blue Grass Airport, Runway Terminal Drive and Parking, Lexington, KY
- FDOT Chipley District 3 SR 77 Design Build, Tallahassee, FL

Jana Ash
Environmental/Wildlife

FIRM: RES/E Sciences
EDUCATION: MS, Marine Biology and Coastal Zone
Management, Nova Southeastern University, Dania Beach,
FL (2015); BA, Biology, Marine Science minor, Wittenberg
University, Springfield, OH
INDUSTRY EXPERIENCE: 8 years



Jana Ash is a project scientist with experience specializing in the National Pollutant Discharge Elimination System (NPDES) program. She provides support for the Florida Department of Transportation (FDOT) District Four NPDES program including: compliance with their Phase I and Phase II Municipal Separate Storm Sewer System (MS4) NPDES permits; Total Maximum Daily Load (TMDL) and Basin Management Action Plans (BMAP) support, inspections of maintenance yards, stormwater treatment facility and outfall inspections, conducts Illicit Discharge Detection and Elimination (IDDE) inspections and trainings and preparation of Annual Reports for submittal to the Florida Department of Environmental Protection (FDEP).

Industry Experience:

- Beach Corridor Rapid Transit Project Tier 2 PD&E Study, Miami-Dade County, FL
- Listed Species Survey, City of Miami, Miami-Dade County, FL
- Environmental Impact Review, City of Pinecrest, Miami-Dade County, FL
- Bat Survey, Town of Miami Lakes, Miami-Dade County, FL
- PortMiami Julia Tuttle, Seagrass Monitoring, Miami-Dade County, FL

Maurene Balmaseda
Public Involvement

FIRM: HDR
EDUCATION: BS, Environmental Studies,
Florida State University
INDUSTRY EXPERIENCE: 11 years



Maurene is a dynamic communicator, planner, and public outreach professional with more than 11 years of experience. Maurene has state DOT and MPO experience on a variety of projects and initiatives. Her broad background includes facilitating the complex NEPA public involvement process for multi-million dollar NEPA Studies, crafting educational campaigns for a variety of disciplines, administering MPO grant programs, various transportation planning document development, and organizational management consulting.

Industry Experience:

- Speak Up Broward Phase 2, Broward Metropolitan Planning Organization (MPO), Broward County, FL
- General Planning Contract - TWO 10, Complete Streets Community Engagement, Broward Metropolitan Planning Organization (MPO), Broward County, FL
- General Planning Contract - TWO 8, Employee Evaluation and Staff Retreat, Broward Metropolitan Planning Organization (MPO), Broward County, FL
- Tamiami Trail Modifications, Next Steps Phase I Bridge, National Park Service, Everglades National Park, FL
- Tamiami Trail Modifications: Next Steps Phase 2, National Park Service, Miami-Dade County, FL

Ryan Beckman, EI
Construction Management & Administration/
Inspection

FIRM: HDR

EDUCATION: BS, Civil Engineering, University of Florida

REGISTRATIONS: Engineering Intern, No. 1100020641

INDUSTRY EXPERIENCE: 6 years



Ryan has more than 6 years of experience in transportation design and plans production. His experience includes preparation, design of aviation infrastructure, including runways and taxiways. His computer experience includes ArcGIS and AutoCAD applications. Ryan also has experience performing construction observation and inspection services, and has been responsible for performing field and construction inspections at Fort Lauderdale Executive Airport.

Industry Experience:

- FXE, Administration Building Renovations, City of Fort Lauderdale, Fort Lauderdale, FL
- FXE, Airfield Electrical Vault Improvements, City of Fort Lauderdale, Fort Lauderdale, FL
- FXE, Design Services for Parcel 21B Parking Lot, City of Fort Lauderdale, Fort Lauderdale, FL
- FXE, Design Services for West Perimeter Loop Road, City of Fort Lauderdale, Fort Lauderdale, FL
- Miami Executive Airport, Runway Incursion Mitigation Taxiway H Extension, Miami-Dade Aviation Department, Miami-Dade County, FL
- FLL, Fixed Based Operator (FBO) Facility, National Jets, Fort Lauderdale, FL

Mike Beldowicz, PE
Construction Inspection

Firm: Quantum Electrical Engineering, Inc.

EDUCATION: BS, Civil Engineering,
Embry Riddle Aeronautical University

REGISTRATIONS: Professional Engineer, Florida
No. 63849

INDUSTRY EXPERIENCE: 22 years



Michael Beldowicz brings 22 years of civil and electrical design, project management and construction administration experience on major air carrier and GA airport construction projects. This comprehensive knowledge applies to project coordination, constructability/plan reviews, value engineering and overall on-site project observation. His knowledge of civil and electrical design, project management and construction has delivered potential cost reductions from original estimates that has increased overall customer satisfaction. His experience with lighting systems, lighting control systems, emergency generation systems, FDOT roadway lighting systems, air carrier and general aviation airports terminal/concourse and airfield systems pays dividends for our clients.

Industry Experience:

- FXE, Signage Replacement Project
- FXE, Runway Incursion Mitigation Project
- FXE, Taxiway Foxtrot Relocation CA Services
- FXE, Taxiway Foxtrot Relocation CA Services
- FXE, Electrical Vault Improvements
- FXE, Electrical Taxiway Foxtrot West Electrical Improvements

Cristobal Betancourt, PLA, AICP
Landscape Architecture

FIRM: Chen Moore & Associates

EDUCATION: BS, Landscape Architecture, Cornell
University; MS, Urban Design, Royal Danish Academy of
Fine Arts, School of Architecture

REGISTRATIONS: Landscape Architect, Florida, LA6666941

INDUSTRY EXPERIENCE: 27 years



Cristobal is CMA's Director of Landscape Architecture and Planning. He has experience providing planning and landscape architecture design solutions for public and private sector clients. He is well-versed in the use of low-impact development techniques specifically applied to site planning, has knowledge of local municipal codes, and is proficient in Florida's plant palette, local environmental conditions, and site-specific microclimates used to prepare aesthetic and functioning landscape designs. Mr. Betancourt has lead multi-discipline teams for parks and recreation facilities throughout Florida, providing design, permitting, and construction observation services for many types of improvements, including athletic fields; pedestrian, bicycle, and equestrian trails; site amenities; playgrounds; boating and aquatic facilities; themed wayfinding; amphitheaters; landscape; hardscape; and irrigation.

Industry Experience:

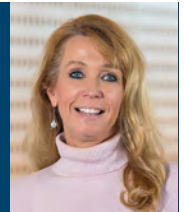
- Miami Building 845 Parking Lot Improvements
- Wiles Road Phase 3 Design Services
- NW 15th Avenue Streetscape - City of Fort Lauderdale
- The Galt Mile - Streetscape Concepts
- Joint Government Center Campus DCP - Broward County
- Sunset Park - Master Plan
- Oriole Park Redevelopment
- FXE, General Engineering Consultant

Wendy Brown
Signage & Wayfinding

FIRM: HDR

EDUCATION: BA, Business Administration/Mgmt.,
University of North Carolina, Charlotte

INDUSTRY EXPERIENCE: 33 years



Wendy has been a senior Program Manager and sign planner for more than 33 years. Her role at HDR is to manage all aspects of the signage and wayfinding projects in order to keep both the creative and schedule tracking in accord with the project. She has experience with facility analysis and auditing, interviewing and observation for a variety of clients and end users with an emphasis on healthcare wayfinding, planning and programming. She has knowledge and depth of experience in the manufacturing and installation of systems as well as product fabrication. Her knowledge of branding for both corporate and healthcare clients is key to her well rounded approach. Wendy has national experience in identity graphics, branding and themed environments.

Industry Experience:

- Delray Medical Center Signage/Wayfinding, Delray Beach, FL
- Memorial New Rehabilitation Hospital, Miami, FL
- James A. Haley Veterans Affairs Medical Center Polytrauma and Rehabilitation Center, Tampa, FL
- New Acute Hospital, Tampa, FL
- Hofstra University, Signage and Wayfinding Standards, Hempstead, NY
- Inova Health System, Inova Health System, Leesburg, VA

Amy Champagne-Baker, PE
NAVAIDS/Airside Lighting & Signage



FIRM: Quantum Electrical Engineering, Inc.
EDUCATION: BS, Electrical Engineering, Clarkson University, Potsdam, NY
REGISTRATIONS: Professional Engineer, Florida, No. 73735
INDUSTRY EXPERIENCE: 25 years

Amy Champagne-Baker is experienced in electrical design and construction management, with an extensive background completing various electrical engineering projects throughout the state of Florida. Amy has developed and implemented successful programs and projects that delivered cost reductions that lead to increased overall customer satisfaction. Her work in electrical design and construction management experience includes project management, installation observation, shop drawing submittal review, testing, startups and construction observation of high, medium and low voltage distribution systems. Amy's detailed experience extends into Solid Waste projects, FDOT roadways, air carrier and general aviation airports, parking and site lighting, interior and exterior lighting systems, fire alarm and security system infrastructure, camera systems, normal and stand by emergency generation systems and power.

Industry Experience:

- FXE, Runway Incursion Mitigation Holdbars
- FXE, Signage Replacement
- FXE, Taxiway G Rehabilitation
- FXE, Taxiway H & Q Relocation
- Boca Raton Airport - Taxiway Widening and Papi Replacement
- Pompano Airpark - Runway 28 Extension and Related Work
- FLL, WP-304/305 Runway, Crossfield Taxiways & Holdpad Paving, Lighting and Signage

Sheryl Dickey
DBE/MBE Support Services



FIRM: Dickey Consulting Services, Inc.
EDUCATION: BS, Ohio State University
INDUSTRY EXPERIENCE: 40 years

Sheryl A. Dickey, founder of Dickey Consulting Services, Inc. (DCS) is a community and economic development professional with nearly 40 years of experience and a track record of success in these areas. She and her staff bring a high level of energy and the ability to participate in a leadership or team member role to verify successful completion of a project. Dickey has worked with a variety of clients including Fort Lauderdale Executive Airport, City of Fort Lauderdale, Broward County Aviation Department, Boca Raton Airport Authority, City of Lauderdale Lakes, City of Deerfield Beach, City of Miramar, and Florida Department of Transportation.

Industry Experience:

- Project Director, Airport Noise Abatement Committee Assistance Project for Fort Lauderdale-Hollywood International Airport
- DBE Program Administrator, Fort Lauderdale Executive Airport, Boca Raton Airport Authority, and City of Fort Lauderdale

Joe Fallon, ESS, RCDD
IT/Security



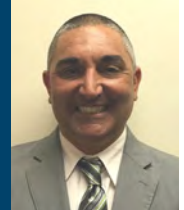
FIRM: Faith Group
EDUCATION: AA, Computer Science, Community College of Baltimore County at Catonsville, MD
REGISTRATIONS: BICSI RCDD No. 243769
INDUSTRY EXPERIENCE: 23 years

Joe is an experienced system designer with more than 23 years of experience in the Access Control and CCTV Industry. His technical expertise in Security, Access Control, Fire Alarm, PLC, Network, Audio Visual, and Microwave systems design and installation. He has a proven track record in system design and project management of large-scale command, control, and communication (C3) projects ranging from oil and gas environment to sensitive government system installations, both locally and internationally. Joe's experience spans entire project life cycle from system design, software development, hands-on installation, troubleshooting, and project management to include project risk mitigation.

Industry Experience:

- FLL, Integrated Security Systems Planning, Design, Procurement and Program Management Services, Fort Lauderdale, FL
- JFK International Airport, Terminal 1 Redevelopment, Queens, NY
- Dallas/Fort Worth International Airport, Access Control System Replacement, Dallas TX
- Transportation Security Administration, TEDS Central Task Order AP4071 Mod3
- Orlando International Airport, On-Call Services, CCTV Planning Phase 1 and 2, Orlando, FL
- Philadelphia International Airport, On-Call Services, Philadelphia, PA

Marc Fermanian, PE
Construction Task Leader



FIRM: CRJ
EDUCATION: BS, Civil Engineering, University of Massachusetts-Lowell; MS, Civil Engineering, University of South Florida
REGISTRATIONS: Professional Engineer, Florida, No. 0052626
INDUSTRY EXPERIENCE: 29 years

Marc Fermanian has served as Program Manager for many transportation and land development projects. He is responsible for both large and small-scale designs and permitting for these projects. Marc is familiar with FAA and FDOT standard specifications for construction and has utilized these skills for his +29-year career as a licensed professional engineer. Marc has provided design and construction management efforts for: airports, ports/harbors, roadway projects, university campuses, and many miscellaneous civil site projects. Marc also has many years' experience serving as an Inspector and RPR, responsible for construction administration and overall project schedule control on multiple projects. In this position, Marc has coordinated and reviewed requests for further information and material invoices from the contractor, reviewed, prepared, and processed job estimates that included material and labor costs, recorded the progress of construction activities, verify Davis-Bacon employee wage rates, and participated in on-site inspections.

Industry Experience:

- FXE Airfield Lighting Rehabilitation, Fort Lauderdale, FL
- Miami International Airport Taxiway R, S, and T, Miami, FL
- Miami International Airport Runway 9-27 Pavement Project, Miami, FL

Tim Gray, PSM, CFM

Surveying

FIRM: KEITH

EDUCATION: BS, Geomatics, University of Florida

REGISTRATIONS: PSM, Florida, No. LS6604

INDUSTRY EXPERIENCE: 22 years



Tim is a Surveyor & Mapper with over 22 years of experience with surveying in South Florida. He is a graduate of the University of Florida's Geomatics Program. His experience includes a variety of surveying assignments, including: Right-of-Way mapping, chain of title research and review, computations, topographic surveys, drainage surveys, ACSM/ALTA surveys, digital terrain models (DTMs), condominium surveys, and calculated parcel/construction stake outs. His experience has included projects for both public and private sector clients. Mr. Gray is proficient in the industry's software including Bentley Open Roads, Leica Level-pac, GeoPak, Caice, and AutoCAD. He is also proficient in the processing of survey data including both Electronic Field Book (EFB) and Tripod Data Systems (TDS) Data collection.

Industry Experience:

- FXE, Parcel 16-C Hangar, Fort Lauderdale, FL
- FXE, Miscellaneous Surveying Services, Fort Lauderdale, FL
- FLL and HWO, Miscellaneous Pavement Repairs, Fort Lauderdale, FL
- OPF, Bombardier Aircraft Service Center, Opa Locka, FL
- ZMA, Miami Air Traffic Control Center, Miami-Dade, FL
- FLL, Cell Lot and Perimeter Road Improvements, Fort Lauderdale, FL
- FLL, Exit Roadway and Valet Routing Improvements, Fort Lauderdale, FL
- FLL, Terminal 4 Gate Replacement CPM, Fort Lauderdale, FL

David J. Hunley, PE

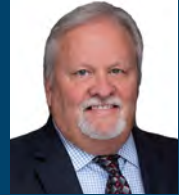
Cost Estimating/Scheduling

FIRM: Connico

EDUCATION: BS, Civil Engineering, University of Tennessee

REGISTRATIONS: Professional Engineer, Georgia, No. 045926; Hawaii, No. 14447; Kentucky, No. 18793; Michigan, No. 6201057418; Ohio, No. 69096; Tennessee, No. 100806

INDUSTRY EXPERIENCE: 39 years



David Hunley has 39 years of experience with responsibilities including cost estimating, scheduling, construction oversight and administration, resident project representation, design support, and engineering fee reviews. David has worked on projects at more than 85 different aviation facilities in the last 10 years.

Industry Experience:

- TPA, Taxiway W Reconstruction and Taxiway N Rehabilitation, Tampa, FL
- PIE, Runway 18-36 Rehabilitation, St. Petersburg, FL
- DTW, Runway 9L-27R and Associated Taxiways Reconstruction, Detroit, MI
- DTW, Runway 3L-21R and Associated Taxiways Reconstruction, Detroit, MI
- DTW, Taxiway K and Y Improvements, Detroit, MI
- DTW, Taxiway Y North Design, Detroit, MI
- GSP, Taxiway Improvements, Greer, SC
- BQK, Runway 7/25, Taxiway A and Associated Connectors Pavement Rehabilitation, Brunswick, GA

Eric Hammond, PE

Mechanical

FIRM: Hammond & Associates, Inc.

EDUCATION: BS, Mechanical Engineering, University of the West Indies; Diploma, Electrical Engineering, University of Technology

REGISTRATIONS: Professional Engineer, Florida, No. 39048

INDUSTRY EXPERIENCE: 45 years



Eric J. Hammond is a Professional Engineer with over 45 years of experience in Mechanical, Plumbing, Fire Protection engineering design and Construction Management. He is the President and founder of Hammond & Associates, Inc. and has been part of the South Florida community for the past 32+ years. He is the Principal/Mechanical Engineer-in-charge of all technical and administrative policies of the firm. His extensive array of facility experience includes renovations and new construction of municipal/governmental buildings, educational institutions, public safety facilities, transportation/EOC centers, Hospitals, Healthcare Centers, Labs, Parks and Recreational facilities.

Industry Experience:

- FLL, Terminal 4 Eastern & Western Phases, Fort Lauderdale, FL
- MIA, NS-Pass Pilot Program, Miami, FL
- FLL, Terminal 4 Renovations Phase 1A and 1B, Fort Lauderdale, FL
- FLL, New Toll Plaza, Fort Lauderdale, FL
- MIA, Public Restrooms Modernization Terminal E, Miami, FL

Miron Ignacio

Airside Pavement & Markings

FIRM: HDR

EDUCATION: BS, Civil Engineering, Florida Atlantic University

INDUSTRY EXPERIENCE: 2 years



A recent graduate, Miron joined HDR as an Engineer in Training. He is experienced in using Microstation Autocad C3D, Bluebeam and Microsoft Office products. Miron's core competencies include design of runway geometry, plans production and roadway detour plans.

Industry Experience:

- Runway 9R-27L at North Palm Beach County General Aviation Airport (F45), Palm Beach County, FL
- LNA, Rehabilitation of Runway 4-22, Palm Beach County, FL
- PBI, Airfield Design Improvements and Rehabilitation Program, Palm Beach County, FL
- TMB, Taxiway H Extension, Miami, FL
- ACAA, Pittsburgh TMP, Pittsburgh, PA
- FXE, General Engineering Consultant

James Kappes, PE
NAVAIDS/Airside Lighting & Signage



FIRM: Quantum Electrical Engineering, Inc.
EDUCATION: BS, Electrical Engineering, Florida Atlantic University
REGISTRATIONS: Professional Engineer, Florida, No. 71499
INDUSTRY EXPERIENCE: 16 years

James Kappes is a Professional Engineer in electrical design and construction management, with an extensive background completing various electrical engineering projects throughout the State of Florida. James strives to be an innovator who excels in finding the elegant solution for difficult problems in the design and implementation of electrical systems. His work in electrical design and construction management experience includes project management, utility coordination, shop drawing submittal review, testing, startups and construction observation of medium and low voltage distribution systems. James's experience extends into electrical system studies, lighting systems, lighting control systems, fire alarm systems, emergency generation systems, FDOT roadway lighting systems, air carrier and general aviation airports terminal/concourse and airfield systems.

Industry Experience:

- FXE, Runway 31 Taxiway Bypass
- FXE, Taxiway Foxtrot Relocation
- FXE, Electrical Vault Improvements
- BCT, Widen Taxiway F And P4 Connectors And Relocate Taxiway B & C
- BCT, Taxiway Widening And Papi Replacement

James Keeney, CCC, GC
Facility Inspection



FIRM: Nova Engineering & Environmental
EDUCATION: Valencia State College & University of Central Florida
INDUSTRY EXPERIENCE: 30 years

James Keeney has more than 30 years of Facilities Consulting and Testing experience and is NOVA's Vice President and Facilities Service Line Leader. His expertise is in Facilities investigation, surveys, testing, remediation design and construction project administration. Facilities is a term NOVA uses to reference a property's major building systems and components, which in general includes building envelope, roofing, waterproofing, structural, accessibility, mechanical/electrical/plumbing (MEP), pavement and site flatwork and amenities. He is also a licensed roofing contractor, wind/hurricane mitigation consultant and general contractor. James has more than 25 years of Property Condition Assessment (PCA) experience, having developed internal procedures for the execution of these services. Additionally, he has conducted many non-destructive and destructive forensic investigative procedures.

Industry Experience:

- FLL, Terminal 3 WP1 Modernization Project, Fort Lauderdale, FL
- FLL, Terminal 3 WP2 Modernization Project, Fort Lauderdale, FL
- FLL, Terminal 3 WPX Modernization Project, Fort Lauderdale, FL
- Robins Air Force Base, Phase V, Warner Robins, GA
- Robins Air Force Base, Building B166 Roof Assessment, Warner Robins, GA
- Exterior Renovation of B-1 - Eglin AFB, Eglin AFB, FL
- Naval Air Station Bldg 498 - Waterproofing, Pensacola, FL

Raj Krishnasamy, PE
Geotechnical Testing and Analysis



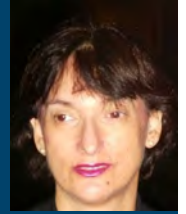
FIRM: Tierra South Florida, Inc.
EDUCATION: MS, Geotechnical Engineering, University of Memphis; BS, Civil Engineering, Christian Brothers University; Diploma, Electronic Engineering, Malaysian Air Force Institute
REGISTRATIONS: Professional Engineer, Florida, No. 53567
INDUSTRY EXPERIENCE: 35 years

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

Industry Experience:

- FXE, Taxiway Charlie West Rehabilitation Project, Broward County, FL
- HWO, Perimeter Security System, Fort Lauderdale, FL
- PMP, Runway 28 Extension and Related Work, Pompano Beach, FL
- PMP, Access Road NE 10th Street, Pompano Beach, FL
- PMP, Taxiway Delta Relocation/Replacement, Pompano Beach, FL

Sarah Mamen
Fire Protection



FIRM: Fire, Life Safety, & Security Institute, Inc.
EDUCATION: BA, Applied Science and Engineering - Chemical, University of Toronto; MBA, Wilfrid Laurier University; MS, Fire Protection Engineering, Worcester Polytechnic Institute,
REGISTRATIONS: Professional Engineer (Fire Protection), Florida, No. 59407

Sarah Mamen is an experienced fire protection engineer with a background in project management, hazard risk assessment, loss prevention, performance-based design, code consulting, system design, and smoke control testing.

Industry Experience:

- Code Consulting: Goodman Doral Industrial Building, Doral, FL; Seminole Tribe Auditorium, Clewiston, FL
- Performance-Based Design: Federal Reserve Bank of Atlanta, Miami, FL; The Yellow and Green Market, Hollywood, FL
- Fire Alarm Design: The School District of Lee County, Fort Myers, FL; Grove Isle Condominiums, Miami, FL
- Sprinkler Design: Shell Point Retirement Community, Fort Myers, FL
- Security Design: Federal Reserve Bank of Atlanta, Doral, FL; The Palace, Miami, FL
- Rational Analysis: Courthouse Center Garage, Miami, FL; Sunny Isles Beach Jewish Community Center, Sunny Isles, FL
- Special Inspector: Park Square at Doral, Doral, FL Gibraltar Residential, Miami, FL

Jason McClair, PE, CFM, LEED AP
Stormwater Management

FIRM: Chen Moore & Associates

EDUCATION: BS, Civil Engineering, University of Florida

REGISTRATIONS: Professional Engineer, Florida, No. 56962

INDUSTRY EXPERIENCE: 24 years



Mr. McClair is a senior civil engineer with more than 24 years of experience in utility infrastructure design, regulatory permitting, geotechnical engineering, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. He was the Program Manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan.

Industry Experience:

- FLL, Stormwater Master Plan Update Phase 2, Fort Lauderdale, FL
- FLL, Stormwater Master Plan Update, Fort Lauderdale, FL
- FLL, Wastewater Master Plan Update, Fort Lauderdale, FL
- FLL, North Runway Pavement Rehabilitation - Construction Services, Fort Lauderdale, FL
- FLL, North Runway Pavement Rehabilitation, Fort Lauderdale, FL
- FXE, General Engineering Consultant

James Reddrick, NCARB, LEED AP
BD+C, PMP, CDT

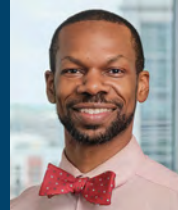
Design-Buildings Task Lead

FIRM: HDR

EDUCATION: BA, Architecture, University of North Carolina

REGISTRATIONS: LEED, North Carolina, No. 10425333-AP-BD+C

INDUSTRY EXPERIENCE: 17 years



James serves as a Senior Architect Lead in the ASMEC department at HDR. In this role, he provides creative and technical oversight and support to various project markets including facilities, waste water and water treatment facility projects. His involvement includes preliminary plans, 3-D visualization to communicate aesthetic character of building materials, building code compliance, discipline coordination, specifications, construction drawings, building permit support, and construction administration.

Industry Experience:

- FXE, Aviation Equipment Service Building Expansion, Fort Lauderdale, FL

Lakdas Nanayakkara, PE
Structural

FIRM: Lakdas-Yohalem Engineering, Inc.

EDUCATION: Post Graduate Diploma, Structural Engineering, United Kingdom; BS, Civil-Structural Engineering, University of Hartford, United Kingdom; Higher National Certificate, Civil Engineering, Hertfordshire College of Building, United Kingdom

REGISTRATIONS: Professional Engineer, Florida, No. 037590; Certified General Contractor, Florida, No. GC 044303

INDUSTRY EXPERIENCE: 43 years



Lakdas Nanayakkara has more than 43 years of experience in Structural Design, Permitting and Construction Phase Engineering Services and leads the structural engineering services at Lakdas/Yohalem Engineering Inc. His experiences includes building structures, major water and wastewater treatment plants and water control structures, bridge engineering structures, and highly visible public projects.

Industry Experience:

- FLL, Terminal 2 Expansion and Renovations, Fort Lauderdale, FL
- FLL, Terminal 3 Expansion and Renovations, Fort Lauderdale, FL
- FLL, Hibiscus Parking Garage, Fort Lauderdale, FL
- FLL, Exit Roadway & Valet Routing Improvements, Fort Lauderdale, FL
- Port Everglades New Gantry Crane Rails and Crane Maintenance Facility, Fort Lauderdale, FL
- Radius Parking Garage (over 20 Buildings and Parking Garages), City of Fort Lauderdale, FL
- Van Buren Parking Garage, City of Hollywood, FL
- Port Everglades, Terminal 18, Fort Lauderdale, FL

Paul O'Rourke
Brand Development

FIRM: HDR

EDUCATION: BA, Point Park University

INDUSTRY EXPERIENCE: 33 years



In addition to planning, executing, and evaluating brand, marketing and communications programs and campaigns for the Transportation industry, including HDR's Aviation Sector, Paul's decades of progressive strategic communications experience includes a body of award-winning work for clients, employers and partners around the globe. They include Home Depot, AIG, American General, and most recently Allegheny County Airport Authority as Vice President of Marketing for Pittsburgh International and Allegheny County Airports. Whether supporting general aviation airports through highlighting the resurgence of private air travel during the pandemic or helping airport teams in their efforts to discover, define and deliver on large, international airports' brand promises, HDR's global aviation sector's strategic communications practice helps its clients set their sights higher.

Industry Experience:

- Pittsburgh International Airport, Pittsburg, PA
- Allegheny County Airport, West Mifflin, PA

Lisa Reznar, ENV SP
EA/EIS Preparation

FIRM: Ricondo & Associates
EDUCATION: BA, Geography and Political Science, Indiana University; MS, Geography, University of Tennessee
INDUSTRY EXPERIENCE: 25 years



Lisa Reznar has over 25 years of experience in airport facilities, environmental, and sustainability planning. Ms. Reznar has prepared environmental analyses and documentation pursuant to NEPA for Charlotte-Douglas International, Key West International, Midway International, O'Hare International, Phoenix Sky Harbor International, Ronald Reagan Washington National, and San Francisco International Airports, as well as the FAA (Las Vegas Area Airspace Optimization). She has served as the environmental and sustainability lead for several airport master plans, including Fort Lauderdale, Jacksonville, Phoenix Sky Harbor, and Raleigh-Durham International Airports, several of which included Airport Recycling, Reuse, and Waste Reduction Plans. Lisa also led/co-lead the development of several Sustainability Management Plans, including Cheyenne Regional, Denver International, Sacramento International, Tampa International, and Vero Beach Regional Airports, as well as the Houston Airport System.

Industry Experience:

- FLL, Master Plan Update Sustainability Initiatives and Airport Recycling, Reuse, and Waste Reduction Plan
- PHX, National Environmental Policy Act On-Call Consulting Services
- SMF, Environmental Sustainability Management Plan
- IAH, Sustainable Management Plan
- FXE, General Engineering Consultant

Steve Ryan, AICP
Land Use/Zoning Review

FIRM: Ricondo & Associates
EDUCATION: BS, Aerospace Administration, Middle Tennessee State University; MS, Planning, University of Tennessee, Knoxville
INDUSTRY EXPERIENCE: 2 years



Steven Ryan has nearly 25 years of experience in airport planning and has participated in or managed several airport master planning and facility development projects. He oversees multiple tasks related to terminal, airfield, and landside planning. These range from facility-specific site plans to data collection and analysis in support of management decisions. Steve managed the Master Plan for Charleston International Airport, which includes identification of aviation and non-aviation development opportunities that would create synergies with the B-787 Dreamliner assembly plant at the airport, which is scheduled to be operational in 2011, with approximately 6,000 employees. He completed planning assignments for O'Hare, Dallas Fort Worth, Miami, and Pittsburgh International Airports. Prior to joining Ricondo, Steve was part of the master planning team for three airports in the Sacramento County Airport System, a master plan update for Milwaukee Mitchell International Airport, and a master plan for Louisville Muhammad Ali International Airport.

Industry Experience:

- CHS, Master Plan and On-Call Services
- CMH and LCK, Noise Land Inventory and Reuse Plans
- ATL, Master Plan and On-Call Planning Services
- BNA, Engineering Studies for Aviation Development

Leon Sniegowski, PE, CM
Site Plan Review and Analysis

FIRM: Ricondo & Associates
EDUCATION: BS, Civil Engineering, Michigan Technological University
REGISTRATIONS: Professional Engineer, Florida, No. 83375
INDUSTRY EXPERIENCE: 9 years



Leon Sniegowski joined the firm in 2013 and has assisted with several aspects of airport planning and construction oversight. For Miami International Airport, he was responsible for various aspects of the master plan updates that included current layout, building inventory, airport layout plan updates to approach and departure surfaces, and proposed building demolition. Leon has also assisted with general planning activities at several airports, as well as several construction oversight projects at Boca Raton Airport and Henry E. Rohlsen Airport. For Boca Raton Airport, he was responsible for the day-to-day project oversight for the construction of a jet blast deflector, and he assisted in reviewing and compiling pre-bid and pre-construction documents and plans. At Henry E. Rohlsen Airport, he assisted with the apron rehabilitation project. His primary task for these efforts was to verify the construction was completed to design standards and conformed to testing requirements.

Industry Experience:

- TMB, Airport Layout Plan Update
- MIA, Airport Layout Plan Update
- FLL, Airport Layout Plan Update
- SJU, Airport Layout Plan Update

Hugo Solano
Right of Way

FIRM: HDR
EDUCATION: BS, International Business, Barry University
INDUSTRY EXPERIENCE: 27 years



Hugo has more than 27 years of Real Estate Services experience managing full service Right of Way Projects. Additionally, he has provided Program Management and managed Design Build projects with aggressive schedules for a variety of clients. Hugo brings valuable experience managing budgets, assuring that staffing and financial resources are readily available on each project, and he's dedicated to the successful delivery of projects within schedule. His exceptional organizational ability has allowed him to manage project team operations in several different states. His client experience includes several State DOTs, Local, City and County Governments as well as Sewer Districts and Airport Authorities. Hugo also serves as HDR's Northeast Region Real Estate and Right of Way Lead. He began his Right of Way career as an Acquisition/Relocation agent for FDOT District 4, successfully completing the Right of Way Training Program.

Industry Experience:

- FXE, Runway 9-27 Extension Justification, Fort Lauderdale, FL
- FXE, Master Plan Update, Fort Lauderdale, FL

Davicka Thompson
Consulting



FIRM: Adams Consulting Group, Inc.
EDUCATION: BS, Psychology, Nova Southeastern University
INDUSTRY EXPERIENCE: 15 years

Davicka Thompson is a seasoned communications executive. Davicka has extensive public service and private sector experience having led several public relations and community outreach initiatives for more than 15 years. She dedicates a majority of her time working in the government sector on infrastructure, transit, aviation, maritime, transportation and capital improvement programs. She possesses detailed understanding of the community, public policy, political and governmental institution factors that may affect decision-making. She plays a key role in soliciting public support for public awareness projects in the South Florida metropolitan area, as well as creating diversity plans and compliance programs to verify fair and equal project participation.

Industry Experience:

- AvAirPros/JetBlue FLL Terminal 3 Modernization Program
- AECOM/City of Fort Lauderdale New Police Headquarters and Parking Garage Design
- Moss Construction/City of Fort Lauderdale New Police Headquarters and Parking Garage CM-At-Risk
- PROS/Consulting Broward County Parks and Recreation
- AECOM/City of Fort Lauderdale Parks and Recreation Master Plan Implementation
- Palm Tram Route Performance Maximization Program, Phases Two and Three

Michael Truskoski
Tall Structures Evaluation/ Terminal Approach Procedures/Part 77 Evaluation



FIRM: Ricondo & Associates
EDUCATION: BS, Civil Engineering, Michigan Technological University
INDUSTRY EXPERIENCE: 15 years

Michael Truskoski has over 15 years of experience providing technical planning assistance for a variety of airport projects, including airport master plans, US Standard for Terminal Instrument Procedures (TERPS) analysis, International Civil Aviation Organization Annex 14 analyses, Title 14 Code of Federal Regulations Part 77 airspace analyses, terminal planning, apron layout and aircraft parking alternatives, and airport layout plan development. Michael led technical roles in the airspace analyses for Harry Reid International (formerly McCarran), Midway International, and Ronald Reagan Washington National Airports. He has also assisted with various tall object analyses for Midway, O'Hare, and San Diego International Airports, as well as power line obstruction assessments for the Runway 3 extension at Charleston International Airport. He has also developed comprehensive TERPS mapping in support of the Airport Land Use Compatibility Plan for San Diego International Airport.

Industry Experience:

- DCA, Terminal Instrument Procedures (TERPS) Airspace Analysis
- HNL, Line-of-Sight Impact Evaluation for Proposed Remain Overnight Apron
- FPR, Complete Terminal Instrument Procedures, Part 77 Airspace Evaluation and Line-of-Sight Analysis
- CHS Line-of-Sight Evaluation for Runway 3 and Parallel Taxiway Extension

Anusheh Yasin
Financial Analysis



FIRM: Ricondo & Associates
EDUCATION: BA, Finance, University of Texas in Arlington
INDUSTRY EXPERIENCE: 15 years

Anusheh Yasin has nearly 15 years of financial analysis experience, including six years of experience at Dallas Fort Worth International Airport prior to joining Ricondo in 2017. She has worked on long-range capital and debt planning, created project prioritization models, developed cost center allocation models, submitted Majority in Interest packages, participated in airline negotiations related to capital projects and debt, prepared bond issuance documents and feasibility studies, developed long-range financial plans, and managed capital budgets for projects at the program and project level. Since joining Ricondo, Anusheh has provided financial consulting services for the operators of various airports and assisted in the preparation of bond feasibility studies and financial planning services. She has provided financial support for private transactions on both the sell-side and buy-side for clients in the United States and Europe.

Industry Experience:

- ELP, On-Call Financial Planning
- TPA, On-Call Financial Planning
- FLL, Airline Use and Lease Agreements Benchmarking
- CHS, Feasibility Study

Benefits of Selecting this Team

- Environmental expertise to **execute the Runway 9 Extension Environmental Assessment** within schedule
- Creative strategic communications ideas to **elevate FXE's image** in the community
- Proven engineering skill to execute **airfield projects on time and within budget**





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KAPPEL, JAMES W
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MAMAN, SARAH
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MCLAIR, JASON JAMES
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NANAYAKKARA, LARDAS
 2223 NE 90TH AVE
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SPECIAL INSPECTOR NUMBER: 0693
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 License Type: Professional Engineer
 Status: Current/Active
 License Date: 02/28/2013
 Expires: 02/28/2023
 Special Qualifications: Civil
 Qualification Effective: 08/11/2020

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 Special Qualifications: Civil
 Qualification Effective: 02/28/2013

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 License Type: Professional Engineer
 Status: Current/Active
 License Date: 02/28/2013
 Expires: 02/28/2023
 Special Qualifications: Civil
 Qualification Effective: 02/28/2013

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 License Number: P26386
 License Type: Prof Engineer
 Status: Current/Active
 License Date: 02/28/2013
 Expires: 02/28/2023
 Special Qualifications: Qualification Effective

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 County: BROWARD
 License Number: P26096
 License Type: Professional Engineer
 Status: Current/Active
 License Date: 08/11/2020
 Expires: 02/28/2023
 Special Qualifications: Civil
 Qualification Effective: 08/11/2020

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

dbpr

ONLINE SERVICES LICENSEE DETAILS

License Information:
 Name: GRUBBS, JOSEPH SCOTT (Primary Name)
 Main Address: 384 CROSS CREEK ROAD, AVELAR, Pennsylvania 15312
 County: OUT OF STATE
 License Number: P26387
 License Type: Professional Engineer
 Status: Current/Active
 License Date: 02/28/2013
 Expires: 02/28/2023
 Special Qualifications: Civil
 Qualification Effective: 02/28/2013

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

dbpr

ONLINE SERVICES LICENSEE DETAILS

License Information:
 Name: BELDOWICZ, MICHAEL ROBERT (Primary Name)
 Main Address: 731 NE 12TH STREET, WEST PALM BEACH, Florida 33411
 County: PALM BEACH
 License Number: P26349
 License Type: Professional Engineer
 Status: Current/Active
 License Date: 02/28/2013
 Expires: 02/28/2023
 Special Qualifications: Civil
 Qualification Effective: 02/28/2013



Ability to satisfy all of the minimum qualification requirements

Firms shall be in the business of general engineering, for the past ten (10) years, and must possess sufficient financial support, equipment and organization to ensure that it can satisfactorily perform the services if awarded a contract. Firms must demonstrate that they, or the principals assigned to the project, have successfully provided services with similar magnitude to those specified in the scope of services to at least one city similar in size and complexity to the City of Fort Lauderdale or can demonstrate they have the experience with large scale private sector clients and the managerial and financial ability to successfully perform the work.

Response: HDR has been in the business of general engineering for over 100 years. We possess all the resources to satisfactorily perform the services. For more information on HDR's firm qualifications, see Section 2: Firm Qualifications and Experience.

Our firm and our Program Manager, Cody Parham, have successfully provided services of similar magnitude, including the past 2 cycles of this contract for the City, going back 10 years.

Firms shall satisfy each of the following requirements cited below. Failure to do so may result in the proposal being deemed non-responsive.

2.8.1 Proposer or principals shall have relevant experience in aviation design development, aviation construction engineering and inspection, and aviation grant support services. Program Manager assigned to the work must have five (5) years' experience in aviation design development and have served as Program Manager on similar projects.

Response: Our Program Manager, Cody Parham has 15 years of relevant experience, including as Program Manager for the past 2 cycles of this contract for the City. Each of our leadership team members have at least 6 years of relevant experience. For more information about our project team member qualifications, please see Section 3 - Qualifications of the Project Team.

2.8.2 Before awarding a contract, the City reserves the right to require that a firm submit such evidence of its qualifications as the City may deem necessary. Further, the City may consider any evidence of the financial, technical, and other qualifications and abilities of a firm or principals, including previous experiences of same with the City and performance evaluation for services, in making the award in the best interest of the City.

Response: Acknowledged. HDR is prepared to provide any additional information requested by the City.

2.8.3 Firm or principals shall have no record of judgments, pending lawsuits against the City or criminal activities involving moral turpitude and not have any conflicts of interest that have not been waived by the City Commission.

Response: In today's legal environment, claims and litigation are a reality for any large company in the industry, regardless of performance or merit. When claims do occur, we are proactive and cooperative in reaching a resolution that is fair and reasonable to all. We value the confidences of our clients as well as our contractual commitments to confidentiality, and do not discuss with third parties the circumstances involving ongoing projects. We would take the same position with information regarding our work on this project. If necessary, we would be willing to meet in person with you to discuss the merits or background of past claims. There are no claims or litigation that could impede our ability to perform this project, and we have maintained professional liability insurance in force continually since 1958 for the protection of us and our clients.

2.8.4 Neither Firm nor any principal, officer, or stockholder shall be in arrears or in default of any debt or contract involving the City, (as a party to a contract, or otherwise); nor have failed to perform faithfully on any previous contract with the City.

Response: As an employee-owned firm, our assets are managed and invested with exceptional care. We have established strong risk controls and are committed to managing our company with an eye toward long-term financial health and stability. This commitment has enabled us to thrive for 100 years in every economic environment and allows us to be a reliable partner for our clients.

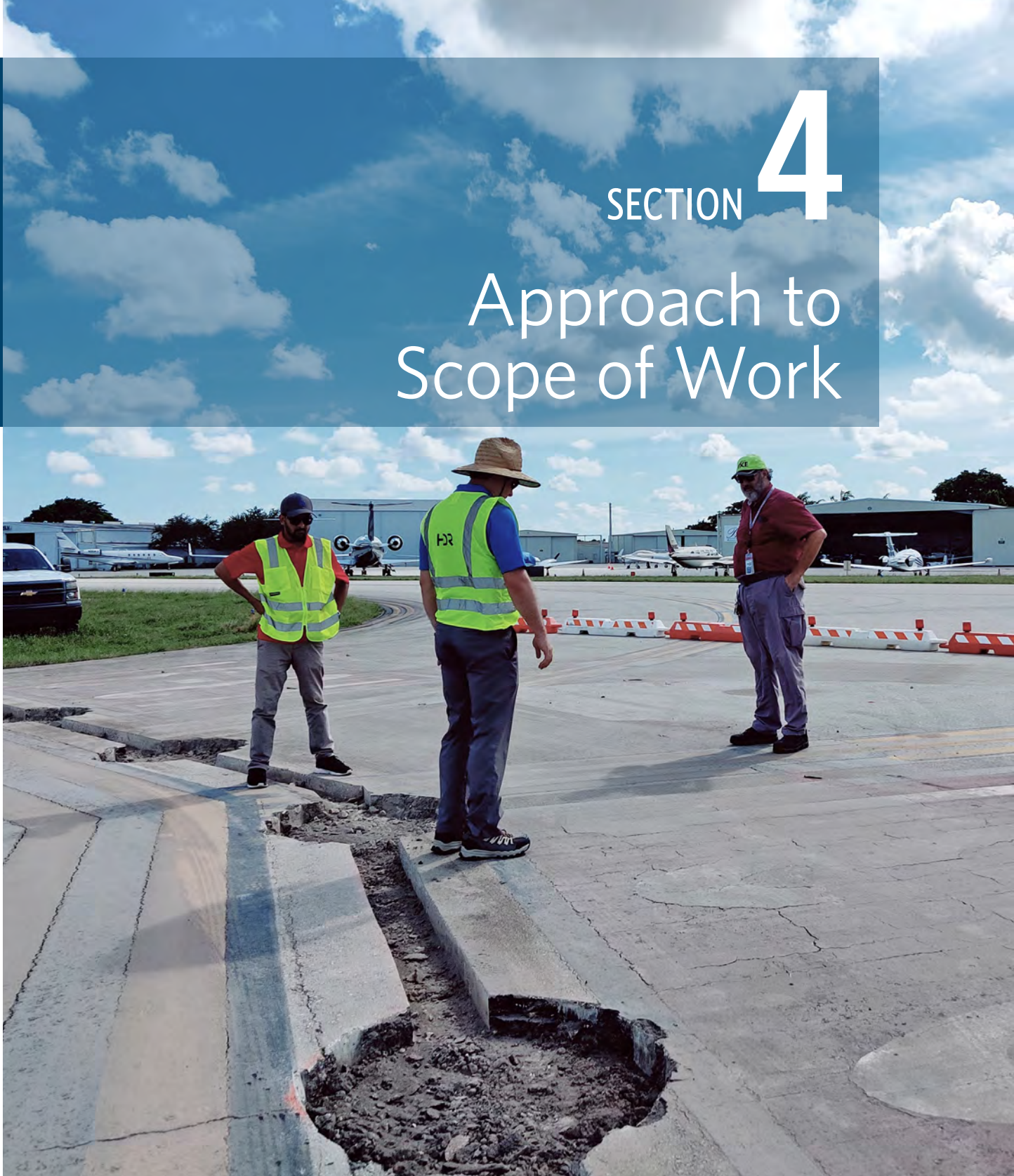
Our financial statements are prepared and audited annually by Ernst & Young, LLC, including a FAR audit. We are financially sound with gross revenues of \$2.6 billion (2019) and a strong balance sheet with stockholders' equity of \$1.77 billion (2019).

2.8.5 Consultant(s) must be appropriately licensed and registered in the State of Florida in the required field of service.

Response: See page 40 and 66

SECTION 4

Approach to Scope of Work



Approach to Scope of Work

Our team has an excellent understanding of your needs based on our relevant experience in the last eight years, in which we've had the privilege and pleasure to service the City as General Aviation Consultant at FXE. We have created a close relationship with FXE Airport leadership and we understand your urgent needs that must be addressed in this contract.

We understand your needs, goals and objectives, and provide a proven approach

Your Needs

- Capacity to accommodate larger aircraft and longer flights
- Raise awareness of FXE's critical role in the international executive aviation facility and as an economic driver in South Florida
- Confidence that you can trust your consultant on Day 1 to execute your capital program on time and within budget

Your Goals and Objectives

Through the last eight years working at FXE, we understand what the Airport leaderships goals and objectives are over the next years:

- Provide expanded operational capacity by extending primary Runway 9-27 and associated taxiways
- Brand FXE as a premier facility for executive-style flight services and an economic engine powering South Florida
- Execute your most ambitious capital improvement program in airport history within your schedule and budget demands

Our Overall Approach to Accomplishing Your Goals and Objectives

Provide Expanded Operational Capacity by Extending Primary Runway 9-27 and Associated Taxiways

We've begun by drafting the justification for runway extension to the FAA to obtain funding for the Extension of Runway 9. Cody has assisted you by serving as an extension of your staff, by representing the airport, by directly coordinating with airport tenants to obtain support letters for the justification of the runway extension. The outcome was tentative FAA approval for the project. We provide a detailed approach to obtaining full FAA approval below under the Extension of Runway 9-27 in the 'Ideas' section.

Brand Development, Strategic Communications and Public Involvement

Now celebrating its 75th Anniversary, FXE, the community it serves, and its customer-base have unique needs and desires. One of the best ways to address those is by creating meaningful connections between the people and the projects and agencies that move communities forward. HDR's strategic communications practice accomplishes this through an integrated development, distribution and measurement/evaluation of the following:

Brand Development. More than a logo and a color palette, your brand is your promise to your clients, your community and your staff.

Strategic Marketing & Communications. Once developed, HDR helps take that brand and message out into key communities and constituencies FXE needs to connect with, helping to address their needs as well as increasing awareness of FXE's intrinsic value to the community.

Public Involvement. For the Runway 9 Extension project, public involvement and engagement helps manage social and political risk and creates stronger ties among FXE and the community it serves. It's also a requirement of the NEPA Environmental Assessment. We'll establish good-faith opportunities for citizens of Tamarac, the City of Fort Lauderdale, and your tenants to be heard.



Execute Your Most Ambitious Capital Improvement Program in Airport History within Your Schedule and Budget Demands

Maintain Schedule Proof - FXE Runway Incursion Mitigation Design. We are going to help you meet grant funding deadlines by utilizing our local and national resources to expedite the design phase to meet grant funding deadlines. Cody and Raheel have already helped you obtain CARES Act funding for the Runway Incursion Mitigation project by delivering a bid package in 15 business days. The outcome capturing 100% grant funding from the FAA. We provide a more detailed approach to show you how we can create an achievable schedule to meet your grant funding deadlines below in the 'Methodology' section.

Proof of Ability to Meet Budget Demands – FXE Taxiway G Rehabilitation and Runway 31 Bypass Taxiway. We are going to help you meet your budget demands by providing suggestions on how to combine upcoming potential projects so they can be done simultaneously to help meet your budgeting requirements. Cody and Raheel helped you accomplish your Taxiway G Rehabilitation design budget by designing it concurrently with Runway 31 Bypass Taxiway project. This lowered the design costs to be within your budget. We provide a more detailed approach to meet your budget demands in Methodology section below.

Vision, Ideas, and Methodology

HDR's Vision for You

We understand your capital improvement program for the next five years and understand your critical projects, shown below.

Major Work Program Map

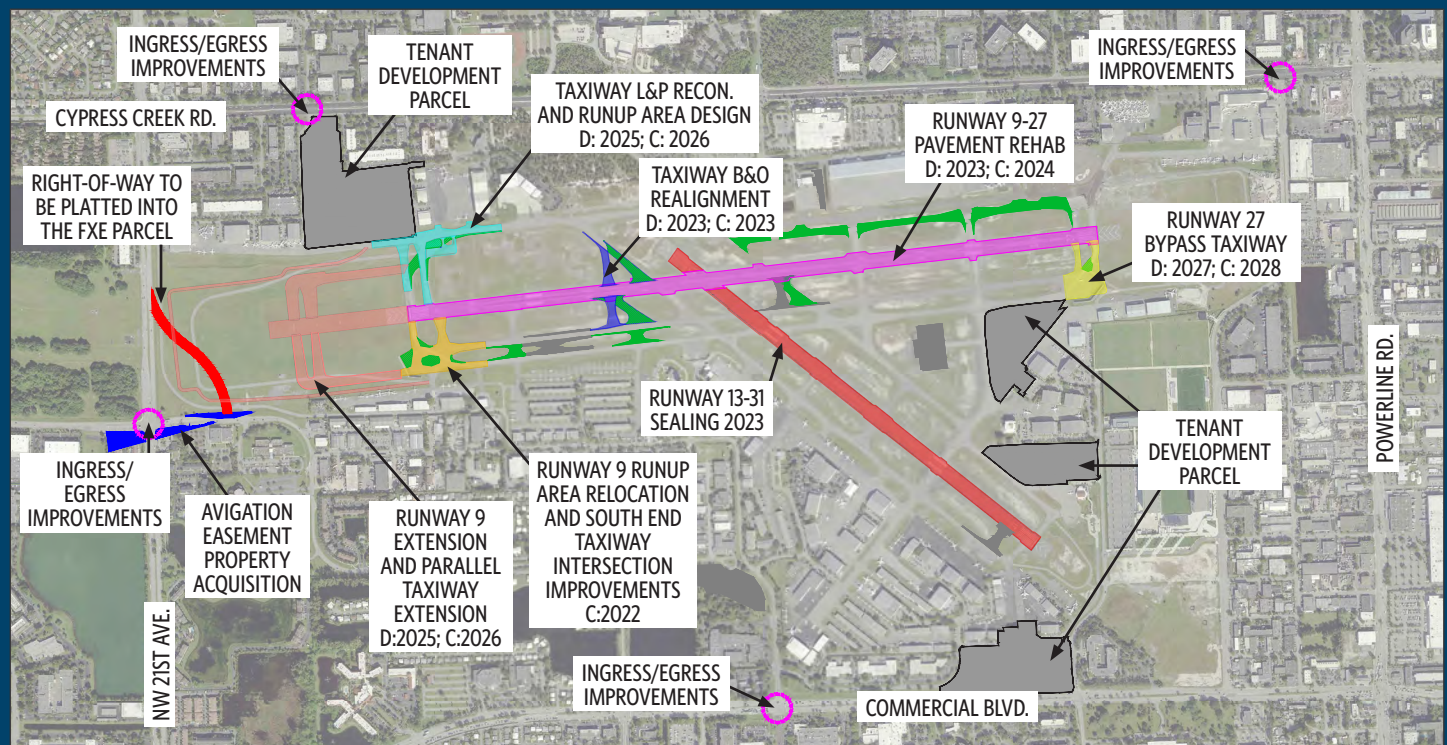


EXHIBIT 1



Our Vision for Successful Service to FXE

- Deliver innovative and cost-conscious solutions to enable FXE to grow as leading executive airport in South Florida serving the world
- Meet all scope, schedule, and budget requirements and guide airport to continue its transformation into the premiere General Aviation Airport in South Florida
- Position you to capture the most funding opportunities through ongoing federal support actions
- Serve as an extension of staff to provide capital, operational, and strategic support to your lean and capable team

It is HDR’s mission to support activities aligning with our values and areas of expertise to benefit the communities where we live and work. Our vision is to assist you in shaping the future of FXE through creative solutions and visionary leadership. We

believe it is our job to listen to you, and do our very best to see that your goals are achieved. Before we can meet your goals and expectations on any project, we must thoroughly understand them. We have developed a proven approach to providing professional services, presented herein, which we will apply to all of your projects. Our approach stresses a proactive role by HDR on every project, with an emphasis on frequent communication and collaboration for your complete satisfaction and project success.

In the section below, we’ve identified 3 major capital investment goals identified in your RFQ or planned during the life of this contract.

- Extension of Runway 9
- Rehabilitation of Runway 9-27
- Elevating FXE’s brand

For each of these goals, we provide a detailed project approach. We assess the challenges, provide realistic solutions, define the benefit, and demonstrate our expertise through previous similar work.

Ideas of Runway Approach to Project - Extension

PHASE	PROJECT JUSTIFICATION	PRE-ENVIRONMENTAL ASSESSMENT	ENVIRONMENTAL ASSESSMENT	DESIGN	CONSTRUCTION
CHALLENGES AND SOLUTIONS	<ul style="list-style-type: none"> • Challenge: Obtain FAA approval of project justification • Solution: Prove latent operational demand through Letters of Intent from prospective tenants 	<ul style="list-style-type: none"> • Challenge: Complete pre-EA activities in a timely manner • Solution: Break out right-of-way, aviation easements, and Part 163 into separate tasks, allowing each to start ASAP after contract execution. 	<ul style="list-style-type: none"> • Challenge: Complete the EA within 12 months of start date • Solution: Push public outreach and cultural reviews to the pre-EA phase to shorten the critical path and reduce risk of delay 	<ul style="list-style-type: none"> • Challenge: Minimize impacts to airport operations through construction phasing • Solution: Evaluate possibility of keeping Runway 9-27 open during construction through the use of a displaced threshold 	<ul style="list-style-type: none"> • Challenge: Maintain project schedule and open the runway on time • Solution: Obtain City Commission approval of FAA reimbursement for decommissioning of FAA facilities and flight checks 60 days prior to closing/opening CAM # 23-0299

Approach To Project – Rehab of Runway 9-27

Challenge

Runway 9-27 is a critical piece of infrastructure that supports businesses at FXE and in foresight is important to the economic engine for the City of Fort Lauderdale. This is the primary runway that jets use at FXE so it is extremely important to minimize impacts to airport operations during rehabilitation. In addition, FXE is expecting an increase in jet traffic operations to support their existing and incoming FBOs, as a result, will have a strenuous impact on the pavement life.

Solution

Phasing. Full shutdown of airport, weekend closure, 72 hours, Friday-Sunday full runway width rehabilitation. We know your last rehab took 8 days, but based on previous success with similar runway length, we believe we can do this one in 72 hours.

Pavement Rehabilitation. In 2020, HDR did a voluntary pavement analysis and found structural distresses on the runway that would need to be considered during the rehabilitation design. After our field inspection, we prepared an assessment of how to resolve some of the pavement distresses and put together a 0% construction cost to help you get a head start on getting the funding sources to get you ready to start your program.

- Constant mill thickness, constant overlay thickness.
- Raveling of surface indicated that a stronger asphalt binder is needed for the upcoming rehabilitation. HDR will select a PG binder for the asphalt mix design that is available, economical, workable, and produces a long-lasting, low-maintenance pavement.
- Provide deeper mill/overlay for the central keel section vs the exterior section of the runway.

Outcome

Phasing: we are cutting operational impacts in half compared to your last rehabilitation.

Pavement Rehabilitation

- By doing our voluntary pavement assessment, we have a great understanding of the distresses of your runway and a strategy on how we can provide a design to provide longevity to your runway pavement life.
- Providing a deeper mill and overlay for the central keel section will increase the longevity of the runway pavement life due to majority of the traffic loads being experienced on the center of the runway.

Proof

Just like Runway 9-27 at FXE, Runway 4-22 at Blue Grass Airport (LEX) in Lexington, Kentucky was the most crucial to airport operations as it was their longest runway. Our team partnered with LEX staff and stakeholders to determine the right rehabilitation method, a pavement design that balanced cost and long-term maintenance, and a construction safety and phasing plan that resulted in the entire runway being rehabilitated over a 72-hour closure.





Approach To Project – Elevating FXE’s Brand

For this contract, our team now includes strategic communication professionals with airport and local experience to elevate FXE’s brand.

This is About You

With a reported \$2 billion annual economic impact, FXE is truly one of the largest economic engines in the region. With the recent and upcoming addition of fixed-base operators (FBO), such as Atlantic, that impact will only grow. And how it grows is the unique opportunity before FXE. With its upscale appeal to clients and those clients’ clients, a brand re-discovery and development process will elevate the FXE brand to a whole new level. Complement that with all of the updates and improvements envisioned for the airport as a physical manifestation of that brand, and the sky’s the limit.

Building a Brand

Terminals, runways, parking facilities, hangars. These are all critical components of an airport’s infrastructure, costing multiple millions of dollars to design, build, operate and maintain. Your brand? Your brand is priceless, and it encompasses more than just the airport property — and it’s definitely more than a logo or color palette. It’s the way your employees wear the FXE logo proudly on their shirt in the terminals and in the community. It’s the way elected and other public officials greet you and your team at important regional events. It’s the feeling the jet set gets when they descend on Fort Lauderdale again and again, but only through FXE because it is the standard in executive aviation and private luxury travel. It’s that feeling that tells the community, corporate leaders and the wealthy wanderer alike — “You’ve Arrived.”

For this contract, our team now includes strategic communication professionals with airport and local experience to elevate FXE’s brand.



New Monument Signage and Landscaping at Main Entrances, like NW 21st Avenue, Elevates FXE's Brand in the Community



We Know General Aviation in Florida and Around the World

With offices in Fort Lauderdale, 10 other cities through Florida, and dozens across North America, HDR’s strategic communications offering consists of nearly 200 strategists, brand developers, creative and technical copywriters, graphic artists, web and UI/UX developers, social media specialists and digital marketing experts. This team has deep experience in discovering and developing brands and creating the types of strategic marketing and communications awareness campaigns that will provide FXE with recognition locally, across the country and, if needed, around the world.

HDR Strategic Communications

HDR’s strategic communications practice creates connections between people and the projects and services that move communities forward. That’s aviation. That’s Fort Lauderdale. That’s FXE.

Strategic Aviation Communications

Having what amounts to a large stand-alone advertising firm within your engineering and architectural firm may be differentiator enough for some, but HDR takes it further. Not only do we have brand and marketing talent with big-agency experience in developing and defining major international brands, we have the ones who also happen to have expertise in aviation communications. Leaders like Paul O’Rourke, who rebranded Pittsburgh International Airport (PIT) from its status as a hub airport of US Airways in the 90s and early 2000s to an origin and destination airport in the 2010s, one Pittsburgh could be proud of and one that would garner interest from, and drive innovation in, the industry like no other airport before it or since. Experts like Paul — who also worked with PIT’s general aviation sister facility, Allegheny County Airport (AGC) “Pittsburgh’s Executive Gateway,” — sit side by side with our engineers, environmental experts, designers, and planners to have the brand we discover together reflected in the concrete and facades that will be the physical manifestation of that brand.

Community Engagement

Public involvement and engagement helps manage social and political risk and creates stronger ties among FXE and the community it serves. So whether you’re looking to implement a new runway project, exterior campus beautification or architectural changes to a terminal, HDR’s Strategic communications’ community analytics team, along with our respected outreach and engagement partners in Fort Lauderdale, Adams Consulting Group, will work with customized community storymaps to plan, execute, measure, and evaluate public involvement strategies and tactics to increase community awareness — including the environmental justice community — regarding all of the important changes going on as part of FXE’s physical campus upgrades, and ensuring FXE is in compliance with all environmental and regulatory agencies’ requirements and guidelines.

Proof

Below are just some of the brands our team has worked to elevate.



Airlines for America
 We Connect the World



PITTSBURGH
 INTERNATIONAL AIRPORT

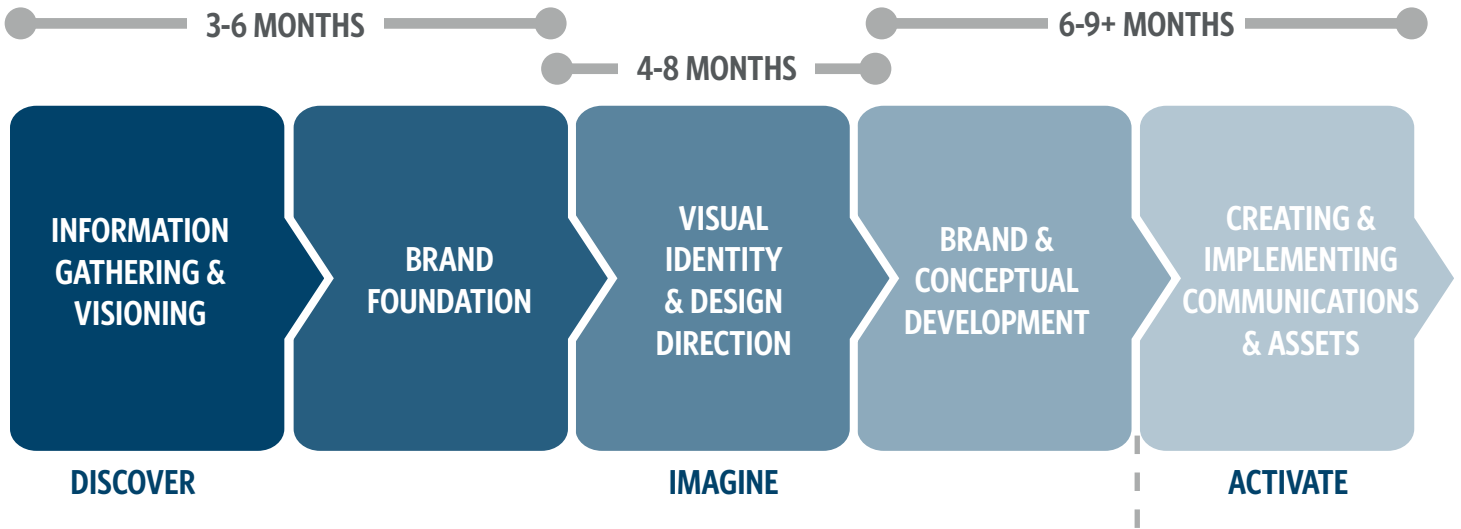


BRITISH AIRWAYS





Our Process





Methodology

As we help FXE ascend to new heights through brand and communications, we have our feet firmly on the ground through a proven and effective methodology that begins with the development of a Project Management Plan (PMP). The PMP is comprised of an Operations Plan, Communications Plan, Production Plan, and QA/QC Plan, and is based on early identification and resolution of project issues and meeting established goals.



OPERATIONS PLAN

The operations plan integrates managing resources and maintaining the project schedule. Cody and Raheel are backed by HDR’s local and national support, allowing us to complete any design project while catering to any project deadlines. During critical periods of work, Cody is able to flex in staff from other offices if needed to get a task completed on time. Our Quality Manager, Joe Grubbs, will review project schedules to make sure our assumptions are true, and the timelines provided match the level of effort. If more effort is required, Cody provides the personnel to get the task completed on time while meeting HDR quality standards. Cody and Raheel are also supported by local area leadership who review project schedules and progress regularly to see if any issues need to be elevated.

Benefit: We are able to increase or decrease our staff involvement to meet your schedule deadlines, even

when you have projects due at the same time.

Example: We designed Taxiway G Rehabilitation and Runway 31 Bypass concurrently by increasing our staff by flexing in our national resources to get these projects completed together on schedule.

PRODUCTION PLAN

The production plan is a roadmap to how we

OPERATIONS ACTIVITIES

- Track and monitor scope, budget, and schedule
- Accurate and timely invoicing
- Project reporting that includes project updates to the City PM and stakeholders
- Manage project and documents through ProjectWise file management system
- Establish and define project goals and expectations with subconsultants



accomplish each task. It helps us identify any challenges that can be faced for that task order, and we can mitigate those challenges before they become a problem.

Benefit: You have confidence in our project schedules because we've already planned the work in detail.

Proof: Robust production plan allowed us to deliver the Runway Incursion Mitigation bid documents in 15 business days and helped you be eligible for 100% CARES act funding.

PRODUCTION ACTIVITIES

- Establish task scope and goals
- Assign appropriate staff
- Establish CADD standards

COMMUNICATIONS PLAN

The communication plan identifies the relationship of all key project stakeholders and establishes the protocol for team communications and documentation. Typically, a primary and secondary point of contact will be established for both the client and HDR, and all communications will be via that single conduit, thus eliminating duplicitous or contradictory communications and directives and ensuring that all decision documentation is collected, stored, and acted upon as appropriate.

Benefit: We clearly describe roles and responsibilities to help your limited staff manage workload.

Proof: For the Runway 9 Extension Justification Letters, HDR served as an extension of your staff, communicating with tenants to obtain specific data on their flight operations to justify the runway project.

COMMUNICATION ACTIVITIES

- Define project roles and responsibilities
- If necessary, create project SharePoint site for individuals without ProjectWise access
- Establish a communication protocol

QA/QC PLAN

HDR's management is committed to excellence through the promotion of quality-oriented processes that continually improve the service we provide to clients. HDR staff is knowledgeable regarding policies and procedures and client and industry design standards, as well as Federal, State, City, and County requirements. All deliverables will be submitted after undergoing thorough quality control reviews by appropriate engineering staff. This process will be led by our Quality Manager, Joe Grubbs.

Benefit: Qualified people are reviewing the work, resulting in decreased risk of project delays and change orders.

Proof: During the design of the Taxiway G Rehabilitation project, it was determined by our QC reviewers that the existing pavement is not thick enough for future aircraft load. Our quality reviews caught that and we elevated that concern to you early on during our 30% design review meeting. This gave your staff enough time to get funding in place to keep the project on schedule.

QUALITY ACTIVITIES

- Management Reviews
- Technical Reviews
- Constructability Reviews
- QC Checklists
- QA Oversight





PM/DEPUTY PM STRUCTURE PROVIDES RESPONSIVE SERVICE

Cody and Raheel are your primary point of contacts for this Contract. Cody and Raheel will work side by side on all coordination items so in case there is one person on personal leave, your project schedules are not affected and there is always one of us to provide you with services.

Cody is the Program Manager who will be responsible for managing the project budget, schedule, and scope. Because of his breadth of experience and technical expertise, Cody will manage critical airport projects, like the runway extension and rehabilitation. He will also serve as the technical advisor for all projects.

Raheel is the Deputy Program Manager who will be responsible for managing your non-runway projects, such as your taxiway realignments and rehabilitations. This provides you with a cost-efficient design from us. He is also responsible for managing the design team, meeting project milestones, and identifying issues on a project that need to be escalated.

Key to Meeting Schedule
 Craft project schedules to meet FAA grant deadlines in March of each year and FDOT grant deadlines in the end of the fiscal year every September.

Current & Anticipated Workload

The key individuals on our team will have the primarily responsibility to lead, manage and execute for FXE. They will make up the balance of their time on these other projects when permitted by FXE workload. Our estimate for this breakdown is as shown on the following table.

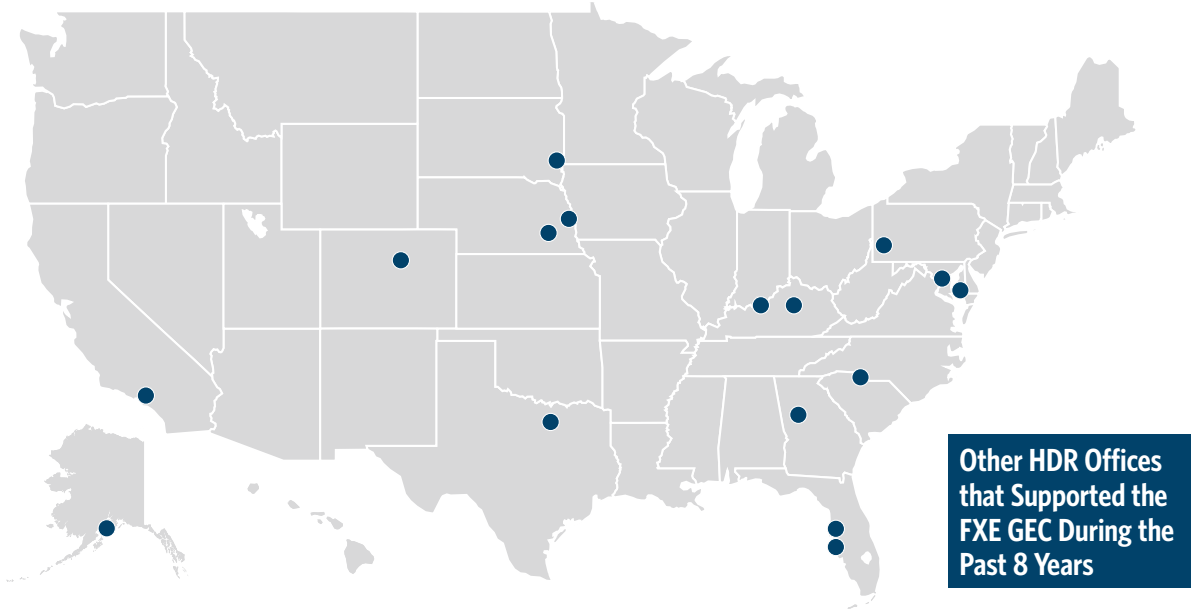
HDR Team Project Workload	FXE GEC	MDAD	BCAD	Lakeland Linder Airport	FLL Terminal 5	FLL National Jets FBO	Palm Beach County Department of Airports
2022	40%	10%	5%	10%	20%	10%	5%
2023	40%	10%	5%	10%	15%	10%	10%
2024	60%		5%	10%	15%	10%	
2025	80%		5%	10%	5%		
2026	100%						

HDR Leadership Availability	Name	Role	Availability
	Cody Parham	Program Manager	100%
	Raheel Dossani	Deputy Program Manager	100%
	Joe Grubbs	Quality Manager	30%
	Marc Gambrill	Strategic Advisor	30%
	Dan Suarez	Program Principal	30%
	Sebastien Carreau	Planning Task Leader	40%



Facilities, Capabilities, and Resources

The HDR team provides local leadership who know your airport and the community, backed by the national expertise only a large firm can provide.



Available Resources

With more than 500 professionals located throughout Florida and 100 in South Florida, we will provide local professional talent for your projects. We will respond quickly and foster relationships to be further developed between our staff and City/FXE staff. In the past, as work demand has risen, we were able to pull our national resources to complete projects on schedule. We will serve you as a small local firm with personalized service – but with much greater talent and bench depth.

South Florida Resources

Part of your community in **SOUTH FLORIDA**

SINCE **1999**

3

South Florida **OFFICES**

HDR team members in 32

FORT LAUDERDALE

More than 100






PROFESSIONALS dedicated to **TRANSPORTATION, PLANNING, DESIGN, and CONSTRUCTION**



Technology

We've embraced technology as your airport consultant, and we've shared in the benefits. Tools like SharePoint, ProjectWise, and WebEx shrink the map and give you better access to the best resources we have to provide at a lower cost.

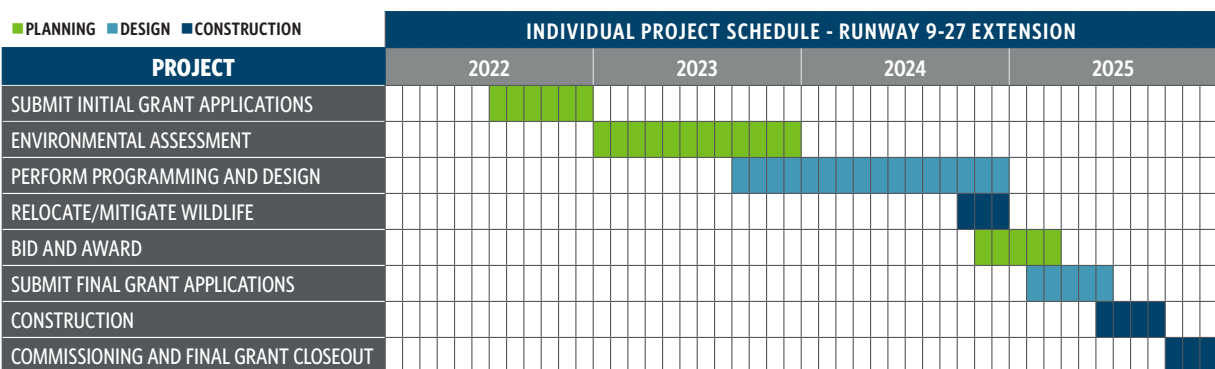
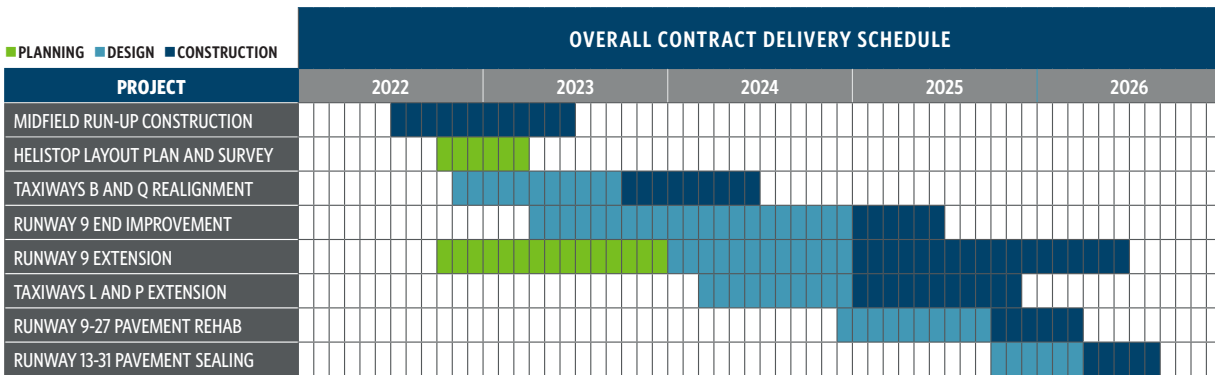
Proof: All FXE design task orders are now hosted on ProjectWise, allowing our DBE and MBE business partners to design collaboratively with us. This upgrade paid off on the Runway Incursion Mitigation design, which we completed in 15 days with our MBE partner Quantum Electrical Engineering.

SharePoint™ 	<ul style="list-style-type: none"> Easily accessible record of all project correspondence Secure web-based environment Promotes accountability, transparency and collaboration Easy exchange of information
ProjectWise V10™ 	<ul style="list-style-type: none"> Transmit design information on multiple platforms and devices Share data in a controlled environment in real time Synchronizes design feedback from multiple team members Resolve issues faster—accelerates the design process, enhances coordination and reduces interdisciplinary conflicts
Infraworks	<ul style="list-style-type: none"> Visualize your design on what it will look like on the airfield Easy way to present to board members on the overall concept of design
Cisco Webex Meetings™ 	<ul style="list-style-type: none"> Easily organized meetings and point-to-point communications Accessible on multiple platforms Enables dial-up access Employs security measures to protect from data leakage
Skype™ 	<ul style="list-style-type: none"> Integrates instant messaging, video conferencing, desktop sharing, and video into one platform Allows team members to communicate in real time and makes virtual meetings more effective
OneDrive™ 	<ul style="list-style-type: none"> Secure and easy way for project team members to send large files to each other

Schedule

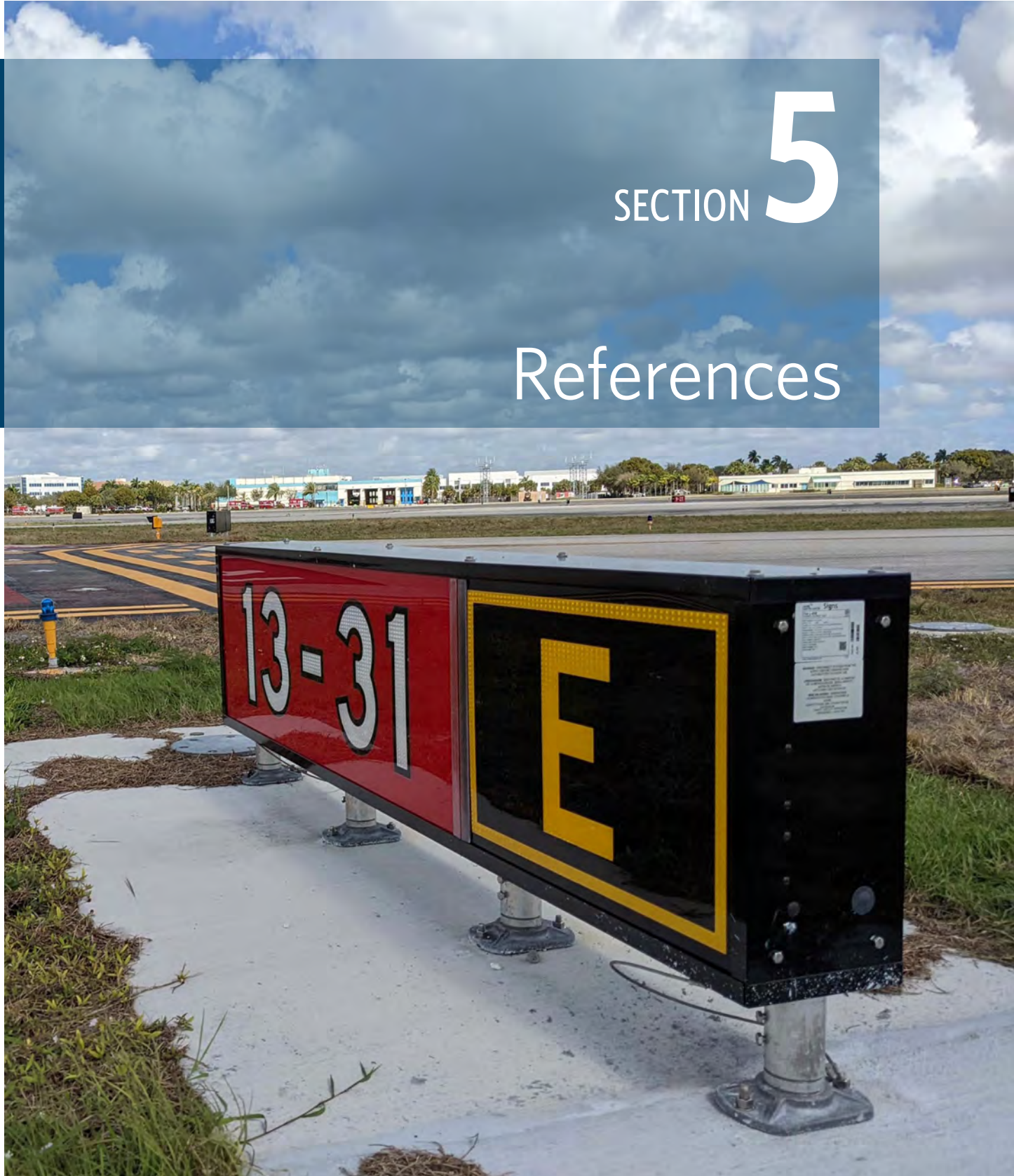
Overall Contract Delivery Schedule

FXE's capital improvement plans for the Airport are described in the RFQ, the Joint Automated Capital Improvement Program (JACIP), the airport master plan, and through our unique knowledge of the airport's regulatory compliance efforts. We provide a proposed schedule of projects to be delivered under this contract, based on our research and discussions with the airport's leadership.



SECTION 5

References





A rendering of the proposed Eastside Hangar Development by HDR



City of Fort Lauderdale - Various Aviation Projects | Florida

QUALIFICATION OF FIRM

HDR delivered more than 40 task orders on schedule and within budget, proving our approach works for FXE. We also developed your capital program and the justification for the extension of Runway 9 under this contract, giving us insight into the best approach for executing your upcoming runway rehabilitation and extension program.

QUALIFICATION OF PROJECT TEAM:

Our proposed leadership team members who worked on these projects include Cody Parham, Raheel Dossani, Joe Grubbs, Dan Suarez, and Sebastien Carreau

PAST PERFORMANCE OF THE FIRM

Our proposed subconsultants who worked on these projects include Ricondo, Quantum, Tierra SF, and Keith

APPROACH TO SCOPE OF WORK

Through HDR's vast knowledge of the airport's existing pavement conditions and hot spots, we will be able to efficiently tackle the upcoming projects.

COST:

Estimated Construction Cost: \$11,460,000;
Actual Construction Cost: \$10,150,000

COMPLETED: 2022

REFERENCE:

Carlton Harrison
954.828.4976
charrison@fortlauderdale.gov
6000 NW 21st Avenue
Fort Lauderdale, FL 33301

General Engineering Consultant (2014-2022)

Since 2014, HDR has been providing general consulting services to support the Fort Lauderdale Executive Airport (FXE) development programs via an on-call contract. We have worked closely with the airport engineer and management to deliver more than 40 task orders while coordinating a team of 7 specialty subconsultants. Highlighted tasks include:

Taxiway Intersection Improvements. HDR was tasked with the evaluation and development of plans and contract specifications for modifications to the taxiway airfield geometry at FXE. These modifications will improve the level of safety at specific locations of work on the airfield in accordance with FAA Advisory Circular 150/5300-13A. The area of work includes the modification to the intersection of Taxiway November, Taxiway Golf and Taxiway Echo - a five node intersection. In adherence to FAA's three-node concept, which will keep taxiway intersections simple by reducing the number of taxiways intersecting at a single location and allows for proper placement of airfield markings, signage and lighting, this modification brings the five node intersection into compliance with the three-node concept. These modifications include the removal of existing airfield pavement, airfield geometry correction, and airfield lighting, signage, and striping installation.

Aircraft Equipment and Services (AES) Facility Expansion. The AES facility at FXE was constructed in 2011 and houses the maintenance staff offices, locker rooms, equipment storage, and maintenance bays. HDR completed a concept design for expansion of the facility and is providing design and bidding phase services for a 9,300 SF expansion including landside and airside civil site improvements. Building elements include architectural, life safety, mechanical, structural, electrical, and fire protection. The expansion will house additional equipment storage space, expanded office space, security offices, and additional maintenance bays. Utility service connections and stormwater management are also included.

Runway Extension Justification. The City requested that HDR develop a runway extension justification letter and associated documentation to submit to the FAA in anticipation of future regulatory and funding applications to support the runway extension and associated taxiway extensions. The documentation discusses the project intent and justification, project requirements and actions necessary to achieve the project intent, design parameters, and opinion of probable costs. As part of this project, the project team is consulting with representatives from FAA Orlando ADO to review and establish the project requirements.

Midfield Run Up Expansion Design. HDR was tasked with developing construction documents for the midfield run-up pad expansion. The expanded and maintenance run-up area will allow multiple aircraft to conduct simultaneous maintenance activities, enhancing capacity on the airfield.

Expected Completion: 2022

Size: 5,400 SY

Est. Cost of Construction: \$2.1M

Runway 31 Bypass Taxiway. Design of Taxiway B Bypass connector at the approach end of runway 31 to taxiway b. The project included approximately 5,100 SY of pavement and various airfield electrical improvements. The project also improved circulation of Runway 13-31 and provides flexibility in runway use by permitting ground maneuvering of steady streams of departing aircraft.

Expected Completion: 2022

Size: 5,100 SY

Est. Cost of Construction: <\$1M

Taxiway G Rehabilitation. Rehabilitation of taxiway G between taxiway C and taxiway N, and re-design of the portion of taxiway M from the intersection with taxiway G to the hold position of runway 13-31. The rehabilitation consists of updating geometry, pavement marking and electrical lighting within the project limits.

Design Completion: 2022

Size: 7,900 SY

Est. Cost of Construction: \$1.1M

Airport Master Plan

As a subconsultant to Ricondo, HDR was responsible for the development of the airport alternative analysis and recommended development concepts. To accomplish the task HDR carried out inventory of the existing airport support facilities, airport utilities, and airport security systems. Additionally, we analyzed the demand and capacity for the airport facilities such as the access roadways and support facilities.

Completion: 2018

Cost of Construction: N/A

Actual Cost: \$350,000





QUALIFICATION OF FIRM

The ongoing development of annual maintenance projects developed under the CIP continues to give the airport a better understanding and streamline pavement projects. It has allowed the airport to have a long-term strategy and prioritize upcoming projects.

QUALIFICATION OF PROJECT TEAM:

Our proposed leadership team members who worked on these projects include Joe Grubbs, Quality Manager, and Cody Parham, Technical Expert

PAST PERFORMANCE OF THE FIRM

- HDR: Airfield Civil Engineering

APPROACH TO SCOPE OF WORK

Through development of the airfield PMP, HDR understands the importance of drainage systems. Poor drainage on airports often leads to the undermining of the pavement sections by removing base and subbase strength. To achieve the design life, proper drainage systems must be installed. A clear understanding of the subsurface drainage and how to improve them is critical.

COST:

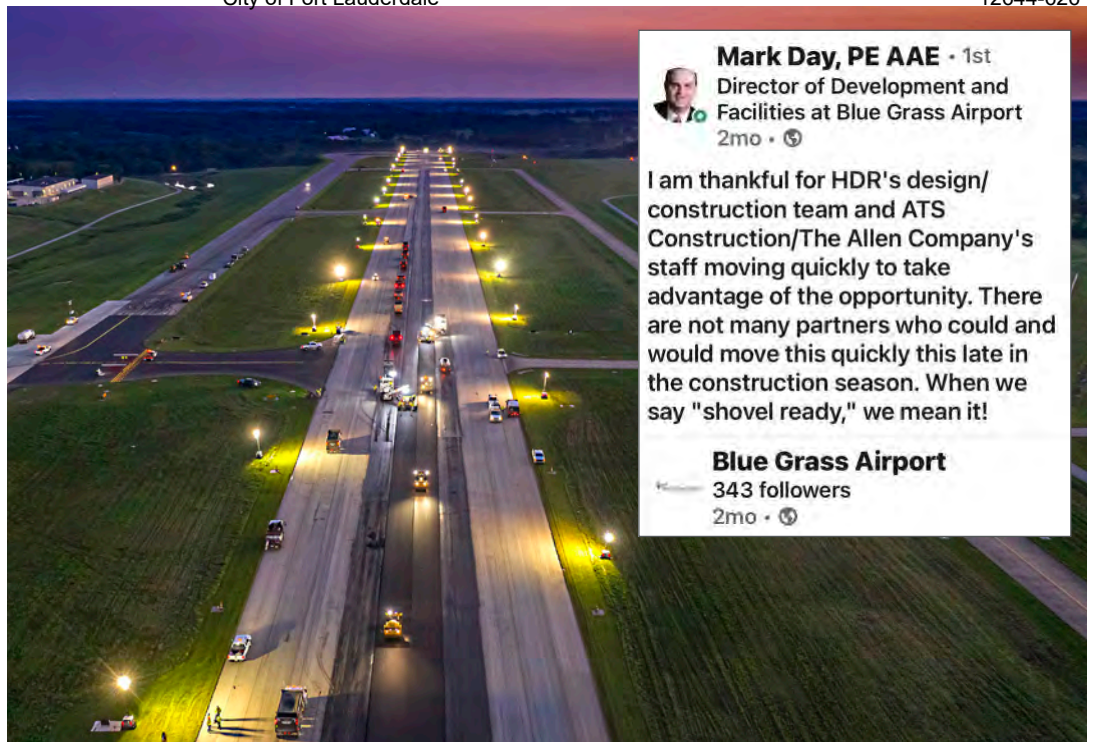
Estimated Construction Cost: \$19,000,000

Actual Construction Cost: \$17,600,000

COMPLETED: Since 2022

REFERENCE:

Mark Day
859.425.3100
mday@bluegrassairport.com
4000 Terminal Dr.
Lexington, KY 40510



Blue Grass Airport (LEX) | Lexington, Kentucky

General Engineering Consultant

HDR is providing on-call task orders that include Airfield Pavement Planning and Pavement Management Program (PMP). Through these task orders we are developing a customized Capital Improvement Plan (CIP) and annual Maintenance Program that systematically and cost-effectively reduce the backlog of airside and landside pavement assets needing major rehabilitation which maintaining the existing pavements at an acceptable condition. In addition, the PMP report will form the basis for preliminary design of future construction projects at LEX.

Runway 4-22 Rehabilitation

The rehabilitation of Runway 4-22 at LEX required multi-layer pavement rehabilitation strategies to be performed during nightly construction periods. The only air-carrier runway at Blue Grass Airport required a number of grading and safety enhancements during a planned runway pavement rehabilitation. A key achievement was working with the airlines and all other stakeholders to develop a phasing plan that satisfied safety, operational, cost and quality targets.

As our team began planning for the Runway 4-22 Rehabilitation, it was determined that previously provided modifications to standards at the airport would not be grandfathered due to recent FAA AC revisions. This has required our team to work with airport staff to find a balance between the new requirements of the FAA ACs and specific operational requirements of the airport so that potential FAA Grant funding was not put at risk.

Through pavement investigation and alternatives analysis, we partnered with LEX to develop alternative programs that would vary from complete reconstruction to rehabilitation. The result is a project that provides LEX with a pavement rehabilitation strategy that corrects the runway deterioration and minimizes the operational impacts to the airport. The pavement rehabilitation strategy included developing details to address deep pavement repairs during five-hour nightly construction periods with reopening the runway to airfield traffic each morning. The nightly repairs were designed to be completed over 100 consecutive nights in advance of the 3-inch mill and overlay.

This project posed a unique challenge of operating a commercial service airport with one runway, which requires the airport to be very strategic about the timing and type of rehabilitation performed so that it can maintain airfield operations. Safely phasing work to minimize the impact on operations always takes a priority for HDR's airport clients. This required HDR to work closely with the FAA ADO during development of the CSPP to analyze tower visibility, airspace penetrations, and impacts to NAVAIDs caused by construction.



QUALIFICATION OF FIRM

During the Taxiway C relocation project, phasing was a key aspect due to proximity to the terminal and high volume of airfield traffic. After careful planning the project allowed the airport to design and construct an upcoming new terminal to expand airport operations for the coming years.

APPROACH TO SCOPE OF WORK

The challenges encountered during the taxiway project with existing and proposed FAA geometry criteria made it essential to coordinate and communicate clearly with the FAA ADO. Through extensive alternative analysis and clear exhibits, HDR was able to streamline the FAA coordination. FXE will benefit from the proven successful past FAA coordination during the upcoming airfield projects.

COST: 5 task orders/
\$1,068,219 in fees

COMPLETED: 2019-present

REFERENCE:

Eric Hensley
614.409.3631
ehensley@
columbusairports.com
4600 International Gtwy., Ste 25
Columbus, OH 43219



Columbus Regional Airport Authority (CRAA) | Ohio

General Engineering Consultant

HDR provided On-Call Airside Professional Design Services for the Columbus Regional Airport Authority at their three Authority operated airports. During the three year period, HDR assisted CRAA on a variety of projects including airfield development and rehabilitation, construction administration, and as needed surveying. Included on this contract was design of the Taxiway C Relocation Phase 1 project at John Glenn Columbus International Airport which will relocate the western 2,600 feet of the primary parallel taxiway for the primary Runway 10R-28L 190 feet to the south. The project also includes new taxiway intersections with existing perpendicular and high-speed exit taxiways, drainage modifications, and new airfield lighting and signage.

Runway 5R-23L Rehabilitation and MOS Improvements Phase 2B

The Columbus Regional Airport Authority (CRAA) selected HDR to provide engineering design of the Runway 5R-23L Rehabilitation and Modifications of Standards (MOS) Phase 2B project at Rickenbacker International Airport, in Columbus, Ohio. Runway 5R-23L is 12,000 feet long and 200 feet wide, capable of providing service to the largest international cargo aircraft, aircraft, and as the primary runway at LCK it is critical to the airport operation and this project constructed new 40' paved runway shoulders, reconfigured an entrance taxiway, and replaced the runway edge light system.

The project included the design of new 40-foot paved shoulders for Runway 5R-23L to address existing Modifications of Standards for Airplane Design Group (ADG) VI operations. The design included shoulder pavement, blast pad expansions, taxiway reconstruction and reconfiguration, new underdrain, and replacement of existing runway edge light system, including new LED fixtures, new transformers, new cable in new conduit as well as new home run cable in existing conduit back to the electrical vault.



March 16, 2022

Mr. Renato Camacho, AAE, PE, PTOE
President & CEO
5400 Lauby Road NW #9
North Canton, Ohio 44720

The Columbus Regional Airport Authority has worked with HDR on multiple projects over the past several years; most recently being the completion of Runway 5R-23L Rehabilitation and MOS Improvements Phase 2B here at Rickenbacker International Airport. Over the past several years, HDR has continued to provide expertise in pavement management, design, evaluation, specification development, FAA grants, and Construction Management Services to the Authority just to name a few.

HDR has proven to be an extremely knowledgeable, professional, and cooperative firm to work with in all their roles to date. Their knowledge has been outstanding in design and execution and they have offered realistic approaches and solutions to our issues. Deliverables have been timely and complete. Whether it's a quick question, or an issue that requires research, HDR has always been available to answer an email or to chat on the phone at any time.

I would recommend HDR for any projects related to pavement engineering, Runway/Taxiway design, stormwater management, FAA guidance and construction management services. They are responsive and provide solutions to keep projects on schedule and on budget.

Sincerely,

A handwritten signature in black ink that reads "Bart Powell". The signature is written in a cursive, slightly slanted style.

Bart Powell, PMP
Project Manager



QUALIFICATION OF FIRM

Because the F45 Runway existing pavement section did not meet the FAA minimum section, the runway had to be strengthened. To make the construction as simple as possible for the contractor, the team designed a profile mill with a constant depth asphalt section. This technique allows for less steps during the pavement construction.

QUALIFICATION OF PROJECT TEAM:

Our proposed leadership team members who worked on these projects include Cody Parham, Raheel Dossani, and Joe Grubbs.

PAST PERFORMANCE OF THE FIRM

Our proposed subconsultants who worked on these projects include Quantum and Chen Moore.

APPROACH TO SCOPE OF WORK

The PBCDOA civil projects taught us that modification of FAA-owned facilities requires reimbursement agreements signed by the City Commission. For the FXE GEC, we'll build the time to obtain commission approval into the schedule, preventing delay during design.

COST:

Estimated Construction Cost:

\$16,400,000

Actual Construction Cost: TBD

COMPLETED: 2023

REFERENCE:

Gary Sypek

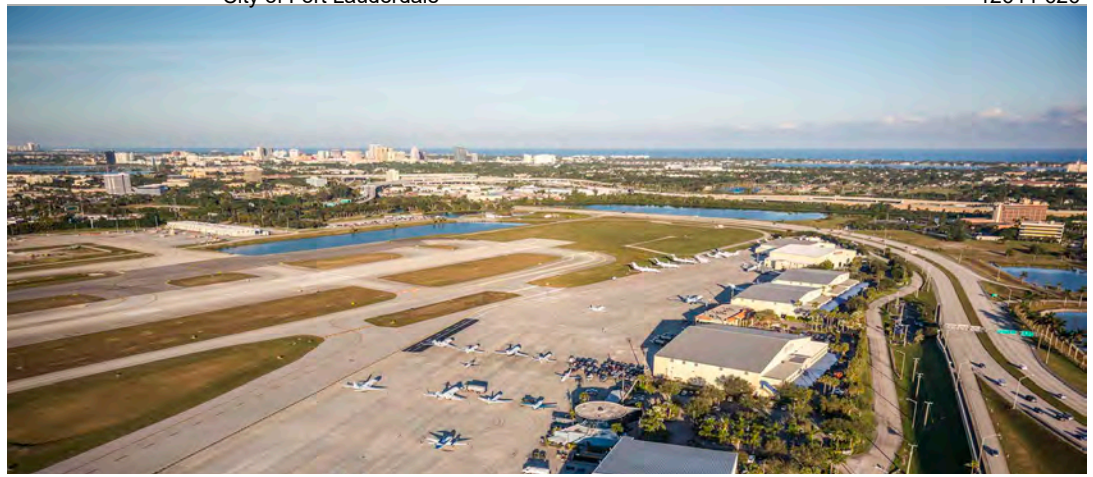
561.471.7474

gsypek@pbia.org

846 Palm Beach

International Airport

West Palm Beach, FL 33406



Palm Beach County Department of Airports - Various Projects | Palm Beach County, Florida

General Engineering Consultant

HDR is providing on-call civil planning, design, engineering, and construction related services for PBCDOA's four airports. Services include civil, structural, mechanical, electrical, and transportation engineering, as well as other planning, design, and construction related tasks. This includes horizontal infrastructure design, general civil and airfield electrical design of runway, taxiway and aircraft parking apron facilities, as well as site development, utility planning and design, and roadway facility planning and design. To date, we've completed 5 tasks. Below are some highlighted projects.

North Palm Beach County General Aviation Airport (F45) Rehabilitation of Runway 9R-27L.

F45 is served by the 4,300' x 100' primary Runway 9R-27L, which was constructed in 1994 with no recorded rehabilitation since. The runway Pavement Condition Index (PCI) was measured at 73 in 2015, below the FDOT recommended minimum service PCI of 75 and above the critical PCI of 65. The Pavement Management Program (PMP) recommends mill and overlay of the runway to correct climate and age-related distresses. Runway 9R-27L serves aircraft weighing up to 30,000 lbs. The runway pavement section is insufficient to meet the minimum strength requirements the FAA sets for pavements serving aircraft of this weight.

HDR is providing programming, design, and bid phase services for the rehabilitation of Runway 9R-27L in an effort to correct these deficiencies. Rehabilitation of associated electrical, signage, markings, drainage, and grading will also be required to correct efficiencies in those facilities. This pavement rehabilitation includes the full runway,

connecting taxiways L, M, N, E, F, O, P, Q to 250' from the runway centerline (ROFA), and the intersection with Runway 14-32 to 250' from runway centerline (ROFA). Also included in the project is the geometric update of connecting taxiways L, M, N, E, F, O, P, Q, electrical and signage rehabilitation and relocation, marking rehabilitation and updating, and minor grading and drainage maintenance. Scope of services includes planning and programming, schematic design, design development, contract documents, and bid and award services.

North Palm Beach County General Aviation Airport (F45) Ramp Area Expansion Study.

Although potential areas of apron expansion are depicted on the currently approved Airport Layout Plan (ALP), PBCDOA has tasked HDR to further evaluate alternatives and work in partnership with PBCDOA and airport users to select an alternative for final design. We've been tasked to refine the aircraft storage space and geometry requirements established in the F45 Master Plan Update. Once established, we will then develop and evaluate alternatives to determine the best locations and layouts for the apron expansion.

Palm Beach County Park Airport (LNA)

Runway 4-22 Rehabilitation. LNA is served by the 3,256' x 75' Runway 4-22, which was constructed in 1993 with no recorded rehabilitation since. The runway Pavement Condition Index (PCI) was measured at 75 in 2014, which matches the FDOT recommended minimum service PCI of 75 and above the critical PCI of 65. The Pavement Management Program (PMP) recommends reconstruction of the runway to correct climate, load and age related distresses.

Runway 4-22 serves aircraft weighing up to 12,500 lbs, currently aircraft weighing over 12,500 lbs are restricted from utilizing LNA. The runway pavement section is insufficient to meet the minimum strength requirements the FAA sets for pavements serving aircraft of this weight.

HDR is providing programming, design, and bid phase services for the rehabilitation of Runway 4-22 in order to correct these deficiencies. Rehabilitation of associated electrical, signage, markings, drainage, and grading will also be required to correct deficiencies in those facilities. The pavement rehabilitation includes the full runway and connecting taxiways A, B and C to 250' from the runway centerline (ROFA).

This project also includes the geometric update of connecting Taxiways A, B and C, electrical and signage rehabilitation and relocation, marking rehabilitation and updating, and minor grading and drainage maintenance. Scope of services includes planning and programming, schematic design, design development, contract documents, and bid and award services.

PBI Central Airfield

HDR is providing professional design services for the rehabilitation of the taxiway network serving Runway 14-32. The project also includes the rehabilitation of the Runway 14-32 shoulders, hot spot mitigation, stormwater facilities, permitting, and upgrades to NAVAIDs. Our scope of services includes program validation, schematic design, design development, contract documents, project management, bidding assistance, and construction administration.

Minimizing impacts during construction is vital to airfield operations. For this project, we've incorporated advanced aircraft movement modeling into the geometric design and phasing, which considered the mobility of the specialized military aircraft using the PBI airfield. This advanced movement modeling supports the project's Construction Phasing and Safety Plan and will minimize the project's impact on an airfield with three other concurrent construction projects. The HDR team developed a specialized approach to phasing to satisfy the numerous stakeholders involved in the Temporary Flight Restrictions imposed during presidential visits.



QUALIFICATION OF FIRM

Through our airfield pavement assignments, we've developed innovative tools in-house to expedite the process of collecting distress data and analyzing the results. The tools we've developed and our experience working in an active airfield environment allow us to efficiently complete airfield pavement distress surveys with limited impacts to operations.

QUALIFICATION OF PROJECT TEAM:

Our proposed leadership team members who worked on these projects include Cody Parham, Raheel Dossani, and Joe Grubbs.

PAST PERFORMANCE OF THE FIRM

Our proposed subconsultants who worked on these projects include Quantum and Chen Moore.

APPROACH TO SCOPE OF WORK

During the COVID pandemic, our staff took the initiative to create a virtual pre-bid meeting and site visit due to the typical bidding process being unavailable. All contractors specifically commented on the quality of these videos and information provided, and there were no additional questions. Our virtual pre-bid resulted in five qualified bidders with the lowest bid at 15% below the engineer's estimate.

COST:

Estimated Construction Cost:
\$28,500,000

Actual Construction Cost:
\$23,400,000

COMPLETED: 2021

REFERENCE:

Carlos Hernandez
954.359.1025
chernandez@broward.org
100 Terminal Dr.
Fort Lauderdale, FL 33315



Broward County Aviation Department - Various Projects | Broward County, Florida

General Engineering Consultant

HDR was one of three teams providing general engineering services to support BCAD's current development programs via a 5-year, \$10 million task order contract. We led a team of seven specialty subconsultants providing a wide variety of services primarily at FLL. The range of projects includes airport facility refurbishments and improvements; terminal development improvements; landside infrastructure studies; airport development; environmental engineering services; airside infrastructure studies and improvements; safety, security and communication projects; tenant improvements; and airport capital project support.

Our team was assigned more than 45 task orders totaling over \$3M in fees. These projects have been diverse in scope and size, and have included both programming and design on both the airside and landside. HDR has worked closely with the FAA and the numerous state and local regulatory agencies having jurisdiction over the BCAD facilities.

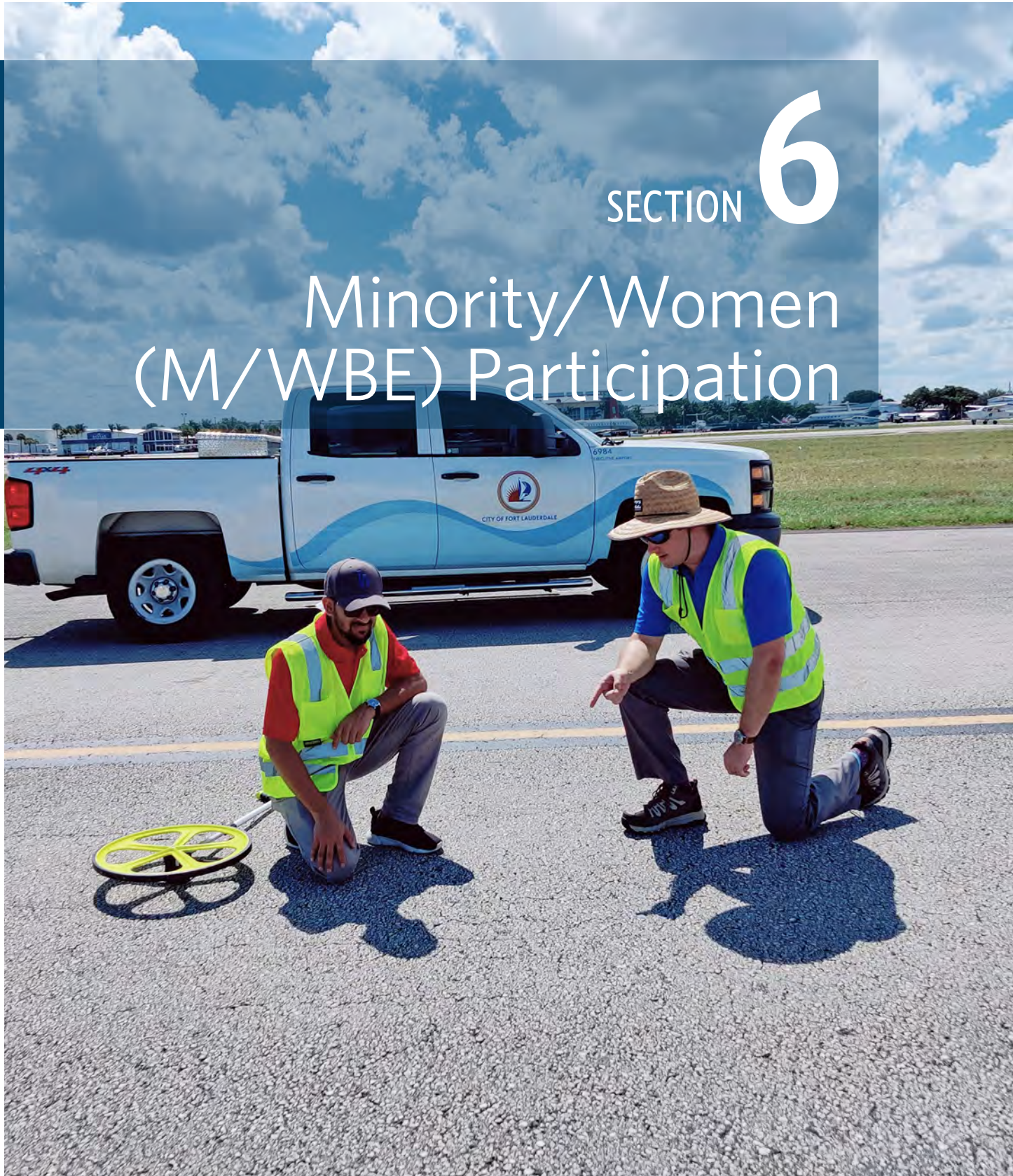
FLL Terminal 4 Apron. The Terminal 4 Apron Civil Works project was the primary project of the recent Airport Expansion Program at the Fort Lauderdale – Hollywood International Airport. This project modified the existing airport terminal utility infrastructure as required to facilitate the Terminal 4 Gate Replacement Project. The project required the rehabilitation of existing Taxiway T and the existing Terminal 4 Apron. The project also expanded the current apron area to the east allowing for additional gates and Remain Over Night (RON) parking. The phasing for this project was the most critical element of the design. In addition to maintaining airfield access for commercial airline traffic, existing terminal gates were required to remain operational. The construction sequencing of the Terminal 4 Apron involved four phases that also consisted of several sub-phases. The phasing strategy essentially aimed to construct new segments of the terminal building while re-routing aircraft along adjacent taxiways and taxilanes to avoid work zones. As new gates were constructed, existing gates were temporarily closed for improvements and adjacent apron reconstruction.

Construction Completion: 2019
Cost of Construction: \$8M

Runway Obstruction Survey For FLL And North Perry Airports. A visual and digital survey for the approach surfaces for all the runways at both airports and provide a report describing the obstructions penetrating the surfaces. The project provided BCAD with vital information to perform obstruction mitigation in order not affect operations at both airports.

SECTION 6

Minority/Women (M/WBE) Participation





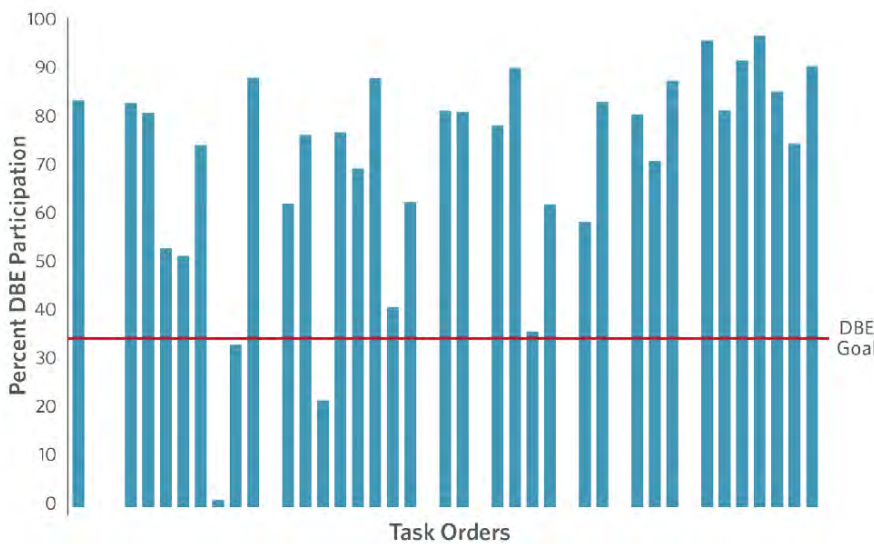
M/WBE Participation

Effectively engaging and utilizing the local talent available in our community is crucial to the project’s success. We have assembled a diverse group of subconsultants to add to our talented team, including M/W/D/SBE firms. Our team is focused on providing **23% participation from M/W/D/SBE accredited partners**, with special consideration for businesses based in the City of Fort Lauderdale.

Previous Effort to Meet M/WBE Procurement Goals

Innovative Approaches to Encouraging Participation in Design Process

- Provide mentoring from HDR’s National Small Business Program
 - > Business planning
 - > Federal and State required reporting
 - > Invoicing and payment expediting



CBE participation levels by task order under our BCAD Airport On-Call Contract. HDR was able to manage CBE participation and exceed the 35% goal over 40 task orders.



Amy Champagne-Baker, President Quantum Electrical Engineering

"I have worked as a subconsultant to HDR since 2014. HDR has been an invaluable partner when I established Quantum Electrical Engineering as a sole woman-owned, DBE, small business providing airfield electrical and construction administration services throughout Florida. HDR has treated Quantum as a true partner and is responsive to the needs of a small business and has supported our desire for growth in the aviation community. I'm proud to be a part of HDR's team to serve FXE."

Planned Effort to Meet M/WBE Procurement Goals

Firm	Scope	M/WBE	DBE	% of Contract
Adams Consulting Group, Inc.	Public Outreach	Yes	Yes	1%
CRJ & Associates, Inc.	Construction Inspection	Yes	Yes	5%
Dickey Consulting Services, Inc.	DBE Monitoring and Grants	Yes	Yes	1%
Hammond & Associates	MEP	Yes	Yes	3%
Lakdas-Yohalem Engineering, Inc.	Structural Engineering	Yes	Yes	2%
Quantum Electrical Engineering, Inc.	Electrical Engineering	Yes	Yes	6%
Tierra South Florida, Inc.	Geotechnical and CEI	Yes	Yes	5%
SUM				23%



We share your goal of creating opportunities for these companies. **By working together**, we bring the **right talent** to your project to develop the **right solution**.



RECOGNITION FOR DIVERSITY OUTREACH PROGRAMS

- 2018 National Large Business Award for "Outstanding Small & Socioeconomic Business Utilization & Mentoring"
- 2015 "Outstanding" Rating for HDR's Subcontracting Program from the Small Business Administration (SBA)

Certifications





Certifications (continued)

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

April 27, 2021

Ms. Pamela Adams
ADAMS CONSULTING GROUP, INC.
P.O. Box 1897
Fort Lauderdale, Florida 33302

Dear Ms. Adams:

The Broward County Office of Economic and Small Business Development (CESBD) is pleased to announce that your firm's County Business Enterprise (CBE) and Small Business Enterprise (SBE) certifications have been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within thirty (30) days from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit www.broward.org/Purchasing and click on "Current Solicitations and Results". Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,000 will be advertised to vendors via eSOL and according to classification codes, so please ensure that both the Purchasing Division and CESBD are apprised of your current e-mail address.

Your primary certification group is **Contract Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at www.broward.org/County and click on "Certified Firm Directories".

Your firm may compete for, and perform work on Broward County projects in the following areas:
NAICS CODE: 541011, 541810

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,
Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Call Agency: BC-CBE SBE
ANNIVERSARY DATE: MARCH 25th

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

May 14, 2021

Ms. Pamela Adams
ADAMS CONSULTING GROUP, INC.
P.O. Box 1897
Fort Lauderdale, Florida 33311

ANNUIVERSARY DATE - Annually, on March 5th

Dear Ms. Adams:

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

ACDBE/DBE certification continues from your anniversary date but is contingent upon ADAMS CONSULTING GROUP, INC. renewing its eligibility annually through this office, Office of Economic and Small Business Development (CESBD). CESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, ensuring continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to de-certify ADAMS CONSULTING GROUP, INC. as an ACDBE/DBE.

As long as ADAMS CONSULTING GROUP, INC. is listed in the DBE Directory, it is considered ACDBE/DBE Certified by all Florida UCP Members.

ACDBE/DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of ADAMS CONSULTING GROUP, INC.

ADAMS CONSULTING GROUP, INC. will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at: <http://www.fdot.com/UCP/DBE/DBEDirectoryCustomSearch>

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

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

May 17, 2021

Mr. Marc A. Ferrarino
CRJ & ASSOCIATES, INC.
2059 Baring Road, Suite B-301
Fort Lauderdale, Florida 33312

Dear Mr. Ferrarino:

The Broward County Office of Economic and Small Business Development (CESBD) is pleased to announce that your firm's County Business Enterprise (CBE) and Small Business Enterprise (SBE) certifications have been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within thirty (30) days from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

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Your primary certification group is **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at www.broward.org/County and click on "Certified Firm Directories".

Your firm may compete for, and perform work on Broward County projects in the following areas:
NAICS CODE: 541310, 541820

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,
Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Call Agency: BC-CBE SBE
ANNIVERSARY DATE: MAY 25th

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

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NAICS CODE: 541310, 541820

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Sincerely,
Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Call Agency: BC-CBE SBE
ANNIVERSARY DATE: MAY 25th

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

October 7, 2021

Mr. Sherry A. Dickey
DICKY CONSULTING SERVICES, INC.
10333 Storkham Blvd., Suite 200
Fort Lauderdale, Florida 33331

Dear Mr. Dickey:

The Broward County Office of Economic and Small Business Development (CESBD) is pleased to announce that your firm's County Business Enterprise (CBE) and Small Business Enterprise (SBE) certifications have been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within thirty (30) days from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit www.broward.org/Purchasing and click on "Current Solicitations and Results". Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,000 will be advertised to vendors via eSOL and according to classification codes, so please ensure that both the Purchasing Division and CESBD are apprised of your current e-mail address.

Your primary certification group is **Contract Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at www.broward.org/County and click on "Certified Firm Directories".

Your firm may compete for, and perform work on Broward County projects in the following areas:
NAICS CODE: 541611, 541820, 541720

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,
Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Call Agency: BC-CBE SBE
ANNIVERSARY DATE: April 1st

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

September 28, 2021

Ms. Sherry A. Dickey
DICKY CONSULTING SERVICES, INC.
P.O. Box 692
Fort Lauderdale, FL 33302

ANNUIVERSARY DATE - Annually, on March 12th

Dear Ms. Dickey:

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

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

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

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

Dicky Consulting Services, Inc. will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at: <http://www.fdot.com/UCP/DBE/DBEDirectoryCustomSearch>

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

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

October 21, 2020

Ms. Erin Horowitz
HAMBROG & ASSOCIATES, INC.
1301 NW 17th Avenue, Suite 10
Fort Lauderdale, Florida 33317

Dear Ms. Ferrarino:

The Broward County Office of Economic and Small Business Development (CESBD) is pleased to announce that your firm's County Business Enterprise (CBE) certification has been renewed.

Your firm's certification is continuing from your anniversary date but is contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE program within thirty (30) days from your anniversary may result in the expiration of your firm's certification. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit www.broward.org/Purchasing and click on "Current Solicitations and Results". Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,000 will be advertised to vendors via eSOL and according to classification codes, so please ensure that both the Purchasing Division and CESBD are apprised of your current e-mail address.

Your primary certification group is **Architecture & Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at www.broward.org/County and click on "Certified Firm Directories".

Your firm may compete for, and perform work on Broward County projects in the following areas:
NAICS CODE: 541310

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,
Sandy-Michael McDonald, Director
Office of Economic and Small Business Development

Call Agency: BC-CBE
ANNIVERSARY DATE: NOVEMBER 12th

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

April 9, 2021

Mr. Lakdas Nayankkatt
LAKDAS/VOHANN ENGINEERING, INC.
2215 NE 54th Street
Fort Lauderdale, Florida 33308

ANNUIVERSARY DATE - Annually, on April 20th

Dear Mr. Nayankkatt:

Broward County is pleased to announce Lakdas/Vohann Engineering, Inc. has renewed its certification as a Disadvantaged Business Enterprise (DBE) in Florida, under a Unified Certification Program (UCP) in accordance with 49 CFR PART 23.

DBE certification continues from your anniversary date, but is contingent upon Lakdas/Vohann Engineering, Inc. renewing its eligibility annually through this office, Office of Economic and Small Business Development (CESBD). CESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, ensuring continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to de-certify Lakdas/Vohann Engineering, Inc. as a DBE.

As long as Lakdas/Vohann Engineering, Inc. is listed in the DBE Directory, it is considered DBE Certified by all Florida UCP Members.

DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of Lakdas/Vohann Engineering, Inc.

Lakdas/Vohann Engineering, Inc. will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at: <http://www.fdot.com/UCP/DBE/DBEDirectoryCustomSearch>

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

Broward County Board of County Commissioners
115 S. Andrews Avenue, Room 4080 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6474

Florida Department of Transportation

605 Government Street
Tallahassee, FL 32399-0250

October 1, 2020

Certified Mail - Return Receipt Requested

Terra South of Florida, Inc.
Mr. Raju Krishnasamy, P.E.
2785 Vista Parkway, Suite 0
West Palm Beach, FL 33411

ANNUIVERSARY DATE - Annually on September 30

Dear Mr. Krishnasamy:

The Florida Department of Transportation (FDOT) is pleased to announce that your firm is certified under the Florida Unified Certification Program (UCP) as a Disadvantaged Business Enterprise (DBE) in accordance with Part 49 Section 26, Code of Federal Regulations.

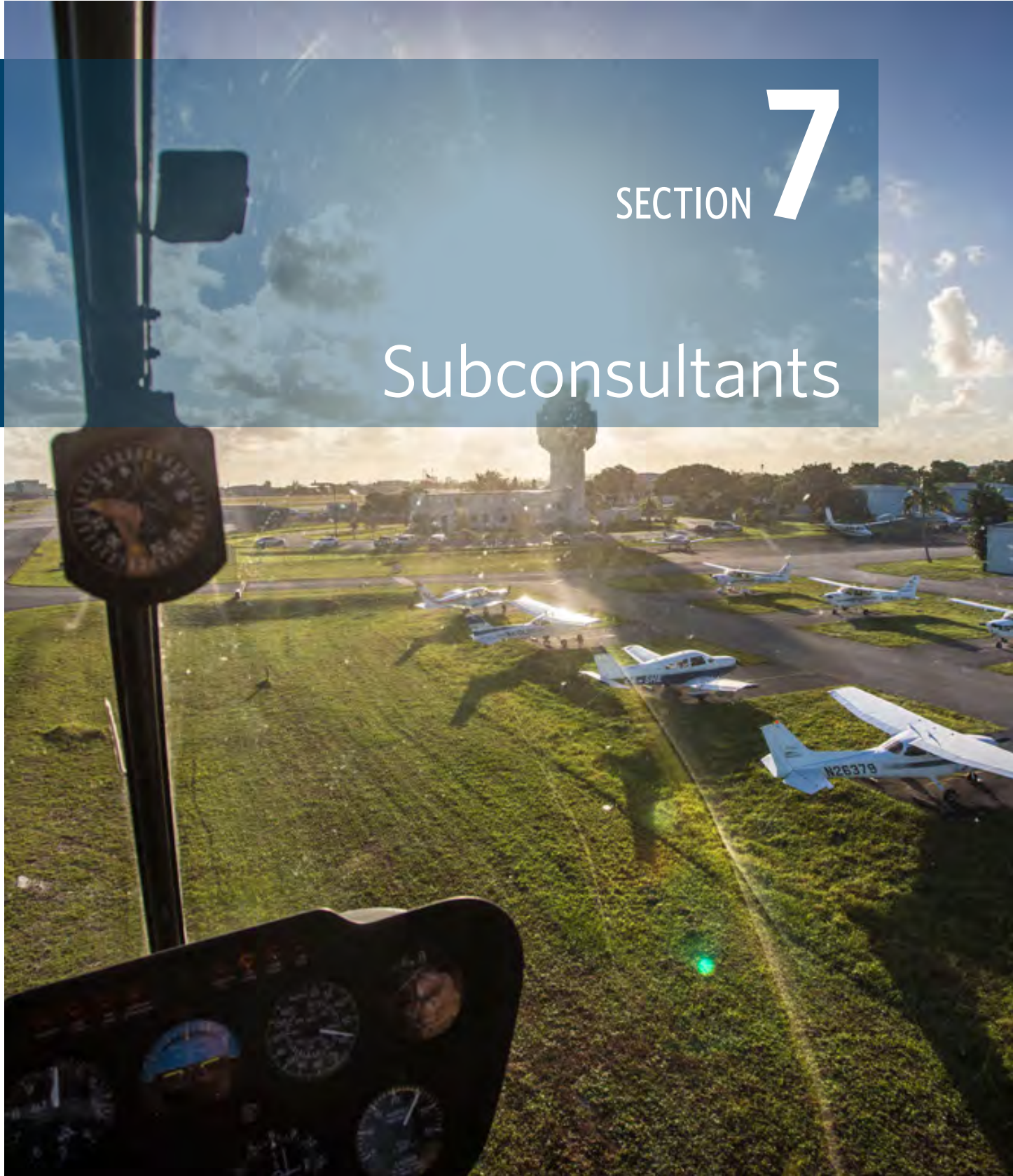
DBE certification is continuing, but is contingent upon the firm maintaining its eligibility annually through this office. You will be notified of your annual responsibilities in advance of the Anniversary Date. You must submit the annual AFFIDAVIT FOR CONTINUING ELIGIBILITY no later than the Anniversary Date. Failure to do so will result in immediate action to remove certification.

Only those firms listed in the UCP DBE Directory, are certified by Florida UCP Members. Firms contractors and consultants should verify your firm's DBE certification status, and identify the work area(s) for which the firm is DBE eligible, through this Directory.

Your firm will be listed in the UCP DBE Directory which can be accessed via the internet, at: <http://www.fdot.com/UCP/DBE/DBEDirectoryCustomSearch> or through The Department's website at www.dot.state.fl.us/ucp/ucpinfo/ucpinfo.asp, then select "DBE Directory."

DBE certification is NOT a guarantee of work, but enables the firm to compete for, and perform, contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, sub-consultant, or material supplier, within thirty (30) days. Changes

www.dot.state.fl.us



SECTION 7

Subconsultants



Subconsultants

Our Teaming Partners Bring Relevant Experience to the Program

The HDR team brings experts known to you; experts who have successfully worked together. Bringing decades of local knowledge and experience, our team offers the depth of resources necessary to accomplish your goals for this important project. HDR is fully committed to supporting the City and delivering services in a way that benefits the local economy through locally retained revenue, while also engaging the necessary expertise for success. As you will see, we have endeavored to maximize local M/W/D/SBE participation throughout the contract. By enhancing our teams through these partnerships, we can help strengthen the local engineering community, increase capacity and foster strong professional relationships with other local firms.

Adams Consulting Group, Inc. (M/WBE/DBE)

Adams Consulting Group, Inc. (ACG) was founded in 2000 to provide consulting services in the areas of business development, government and community relations, public engagement and outreach, human resources and technical services to private and public organizations. For more than 20 years, ACG has **successfully delivered solutions for several diverse and complex economic development and infrastructure projects for a varied client base.** These projects include water and sewer infrastructure, community redevelopment, streetscape improvements, utility improvement programs and transit and transportation planning programs. Clients who engage their services include engineering and planning firms, cities and municipalities, public utilities, public transportation entities and developers. The scopes of work include public, community and government relations, public engagement, outreach and information, compliance and monitoring, community consensus building, call center/hotline, conflict resolution, issue management and economic development. ACG assesses each project independently to assure that their approach and assembled team represent the best opportunity to meet the client's objectives.

Chen Moore & Associates, Inc.

Founded in 1986, Chen Moore and Associates (CMA) is a multi-discipline firm **specializing in civil engineering, water resources, water and sewer, landscape architecture, transportation, planning, irrigation, environmental and construction engineering services.** The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients. The firm is headquartered in Fort Lauderdale, Florida. CMA has a long track record of providing engineering solutions to public clients throughout South Florida.

Connico, Inc.

For more than 30 years, Connico has offered consulting services to owners, engineers, architects, and planners. **They specialize in cost estimating, program management, scheduling/phasing, project management and constructability planning, delivering a client's vision for projects.** Their experience with complex projects allows for a unique perspective during the design and construction process. Connico has worked at more than 150 air carrier airports across the U.S. from Norfolk, Virginia to Los Angeles, California. They have been involved in projects at aviation facilities, including small general aviation, municipal, and air carrier, to large hub international airports. These projects have involved: airfield, fuel farm, runways, aprons, glycol management, safety areas, air traffic control towers (atcts), hangars, security, baggage, infrastructure, specialty areas, cargo, lighting, storm water, concessions/retail, maintenance, taxiways, aircraft



rescue and firefighting facilities (arff), concourses, navigational aids (navaids), terminals, consolidated rental car facilities (conracs), parking, ticket lobbies, deicing, people movers, and utilities.

CRJ & Associates, Inc. (M/WBE/DBE)

CRJ & Associates, Inc. provides professional consulting services such as: project coordination and planning, civil engineering design, environmental engineering/permitting, water and sewer design, roadway engineering, stormwater design/modeling, and construction inspection services for projects. Their landside and airside inspection experience has been well regarded in the industry for the development and review of safety inspection plans for airports. They have been involved with Miami-Dade Aviation Department (MDAD) and Palm Beach County Department of Airports (PBCDOA) facilities inspections which included a review of airside hazards, such as FOD reports, and identifying aircraft hazards throughout airfields.

Civil Engineering Design and Construction Engineering Inspection services at airports have been their core professional skill-set since the Company's inception.

Dickey Consulting Services, Inc. (M/WBE/DBE)

Dickey Consulting Services, Inc. (DCS) is a consulting firm that provides services to public and private enterprises, coordinating, implementing, and promoting projects related to economic and community development, government relations, business development, housing, public relations, public involvement, and other marketing initiatives. **They provide guidance on development of effective partnerships and achieving collective objectives, collaborating closely with administrators, public officials, elected officials, and various community/civic groups to develop and initiate public involvement and public relations programs.** DCS provides support services for numerous government agencies and municipalities in South Florida, including Fort Lauderdale Executive Airport, City of Fort Lauderdale, Broward County Aviation Department, Boca Raton Airport Authority, Palm Beach International Airport, and Florida Department of Transportation.

Faith Group Consulting, LLC

Faith Group Consulting, LLC is a specialized, aviation-centric technology and security consulting firm founded on the belief that data and actionable intelligence permeate every airport. Harnessing this data, together with improved business processes, can provide a state-of-the-art passenger experience, effective and efficient operations, and a safe and secure environment through deployment of innovative technology and integrated systems. The firm provides a full range of services including program and construction management, security and IT strategic plans, system design, engineering documents, and RFP/RFQ preparation. In addition to providing quality systems engineering, **Faith Group focuses on planning for the operational and business processes that must be identified prior to designing and applying security and technology to an airport facilities' environment.** By working with clients up front in this critical part of the process, Faith Group provides "as-is" and "to-be" business analysis coupled with sound engineering practices to meet the varied needs of its clients.

Fire, Life, Safety, & Security Institute, Inc.

Incorporated in 2002, Fire, Life Safety, and Security Institute, Inc. is a professional engineering consulting company that **specializes in Building and Fire Code analysis, computerized fire modeling, accessibility & ADA Code compliance services, hazardous materials & chemicals evaluations, design services for fire alarm, fire suppression, security systems, preparation of Rational Analyses, special inspector services, and radio enhancement system testing.**



Hammond & Associates, Inc. (M/WBE/DBE)

Hammond & Associates, Inc. (Hammond) is a professional Mechanical & Electrical Engineering firm specializing in the design of HVAC, Electrical, Fire Alarm, Plumbing, & Fire Protections systems. **Given their 32+ years of experience in the airport engineering industry, their team of professionals are well-versed in the latest design practices and codes as it relates to Mechanical, Electrical, and Plumbing engineering design.** Members of their team are LEED Accredited Professionals and are up to date on the latest technologies and the most cost effective way to implement them in our designs. Their strengths lie in their ability to adapt to industry requirements, by incorporating new green technologies and state-of-the art resources.

KEITH & Associates, Inc.

KEITH & Associates, Inc. (KEITH) team has been working with regional airports for over a decade managing large and small work orders concurrently, both landside and airside, at Pompano Airpark, Fort Lauderdale-Hollywood International Airport (FLL) and North Perry Airport (HWO), and Fort Lauderdale Executive Airport. KEITH has an outstanding team of professionals, most of whom have been working on our current on-call aviation contracts, who are qualified, ready, and available to assist with the challenges of running, maintaining, and improving management of the assigned work authorizations. **The KEITH team has the agility and ability to respond to landside design and construction challenges quickly and effectively, which means having the right management team, an expert production team, a depth of local resources and the flexibility to deploy the best people for any request.** Through their past successes, they have shown their aviation clients that they are able to anticipate needs, develop innovative practical solutions, and work proactively to deliver on work orders that cover the range of assignments outlined in your RFP. They are committed to helping the Airpark operate more efficiently and deliver an even higher level of service without compromising safety, security, or airport guest experience.

Lakdas-Yohalem Engineering, Inc. (M/WBE/DBE)

Lakdas/Yohalem Engineering, Inc. (LYE) is a civil and structural engineering firm that has been operating in South Florida since 1970 (Broward County). LYE provides structural engineering services for building facilities in the tri-counties (Palm Beach, Broward and Miami Dade.) **They offer a variety of inspection and engineering services which include feasibility studies, design and condition survey of structures, threshold and site inspections, restoration damage assessments, value engineering and constructability review.**

Nova Engineering & Environmental, LLC

Nova Engineering & Environmental, LLC serves clients throughout the southeastern United States and beyond, and **provides pavement management services, geotechnical engineering, environmental consulting, construction materials testing, special inspection services, as well as Building Envelope Consulting Services, NDT Testing, and Forensic Engineering services.** They provide consulting services to both the private and public sector. Our clients include owners, developers, architects, general contractors, property management companies, school boards, departments of transportation, municipalities, the industrial sector, and the federal government.

Quantum Electrical Engineering, Inc. (M/WBE/DBE)

The engineers at Quantum Electrical Engineering, Inc. have more than 39 combined years of experience in electrical engineering with a specialization in airfield electrical design. They have also designed and completed numerous projects at over 42 airports throughout the State of Florida. These airports include North County General Aviation Airport, Boca Raton Airport, Venice Municipal Airport, Palm Beach County Park Airport (Lantana), New Smyrna Beach Municipal Airport, and Fort Lauderdale Executive Airport. **The Quantum team has personal design experience on twelve different projects at the Airpark since 2005. The projects ranged in complexity from security gate designs to a runway overlay with FAA MALS approach design to Taxiway relocation projects.**



RES/E Sciences

RES/E Sciences' ecological staff includes full-time senior environmental scientists with degrees in soil and water science, ecology, biology, earth science, urban forestry, and marine biology. Their primary ecological services include wetland delineation and evaluation; wildlife surveys and permitting; habitat assessments and conservation plans; marine and coastal ecology; wetland and habitat restoration; urban forestry and tree inventories; land management, and natural systems analysis. **They have extensive experience permitting projects with the USACE, FWS, FDEP, Water Management Districts and local municipalities throughout Florida. RES offers decades of formal education and practical experience in the assessment and determination of permitting requirements for lands occupied by listed wildlife species.** Their firm has worked closely with both private and public entities throughout Florida to assess project-specific habitat and mitigation requirements for lands occupied by listed species.

Ricondo & Associates, Inc.

There's a reason clients choose to work with Ricondo & Associates, Inc. over and over again. They continually deliver out-of-the-box thinking that dramatically improves airside and landside operations. **They have industry recognized subject matter experts who can review and provide commentary on technical works prepared by airport staff, consultants, financial advisors, engineers/architects, policy advisors, regulators, airlines, and other airport stakeholders.** Ricondo works alongside our airport management and municipal partners on anything and everything related to aviation strategic planning — including master plans, environmental, business advisory, and airside/landside operations.

Tierra South Florida, Inc. (M/WBE/DBE)

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



Licenses

**State of Florida
Department of State**


I certify from the records of this office that ADAMS CONSULTING GROUP INC. is a corporation organized under the laws of the State of Florida, filed on December 20, 2000.

The document number of this corporation is P0000116116.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on June 9, 2020, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-fifth day of June, 2022.



Rainald A. Adams
Secretary of State

Tracking Number: 049058237X
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://www.myfloridalegal.com/VerifyCertificateOfStatus>

NOVA ENGINEERING AND ENVIRONMENTAL CORPORATION ANNUAL REPORT

FILED
Apr 08, 2021
Secretary of State
040914864CC

Entity Name: ADAMS CONSULTING GROUP INC.
Current Principal Place of Business:
3333 W. UNIVERSITY BLVD., SUITE 100
FORT LAUDERDALE, FL 33309
Current Mailing Address:
P.O. BOX 1027
FORT LAUDERDALE, FL 33302 US

File Number: 05-1028738
Name and Address of Current Registered Agent:
ADAMS CONSULTING GROUP INC.
3333 W. UNIVERSITY BLVD., SUITE 100
FORT LAUDERDALE, FL 33309 US

Certificate of Status Desired: No

Signature: PAMELA A. ADAMS
Date: 04/08/2021

Officer/Director Detail:
Title: PRES
Name: ADAMS, PAMELA A.
Address: 3333 W. UNIVERSITY BLVD., SUITE 100
City/State/Zip: FORT LAUDERDALE FL 33309

Signature of Signing Officer/Director Detail:
Name: PAMELA A. ADAMS
Title: PRES
Date: 04/08/2021

Tracking Number: 279278062X
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://www.myfloridalegal.com/VerifyCertificateOfStatus>

**State of Florida
Department of State**

I certify from the records of this office that NOVA ENGINEERING AND ENVIRONMENTAL, LLC is a Delaware limited liability company authorized to transact business in the State of Florida, qualified on July 23, 2007.

The document number of this limited liability company is M0700004372.

I further certify that said limited liability company has paid all fees due this office through December 31, 2021, that its most recent annual report was filed on February 8, 2021, and that its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighth day of February, 2022.



Rainald A. Adams
Secretary of State

Tracking Number: 279278062X
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://www.myfloridalegal.com/VerifyCertificateOfStatus>

**State of Florida
Department of State**

I certify from the records of this office that QUANTUM ELECTRICAL ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on May 6, 2014.

The document number of this corporation is P14000040467.

I further certify that said corporation has paid all fees due this office through December 31, 2022, that its most recent annual report/uniform business report was filed on January 14, 2022, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of January, 2022.



Rainald A. Adams
Secretary of State

Tracking Number: 050508232X
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://www.myfloridalegal.com/VerifyCertificateOfStatus>

Division of CORPORATIONS

Detail by Entity Name
Foreign Profit Corporation
CORPORATION INCORPORATED

Entity Information
Document Number: P000000000
FIDIC Number: 61400000
Date Filed: 11/20/2008
State: FL
Status: ACTIVE

Principal Address
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Registered Agent Name & Address
CORPORATION INCORPORATED
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Division of CORPORATIONS

Detail by Entity Name
Foreign Profit Corporation
CORPORATION INCORPORATED

Entity Information
Document Number: P000000000
FIDIC Number: 61400000
Date Filed: 11/20/2008
State: FL
Status: ACTIVE

Principal Address
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Registered Agent Name & Address
CORPORATION INCORPORATED
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Division of CORPORATIONS

Detail by Entity Name
Foreign Profit Corporation
CORPORATION INCORPORATED

Entity Information
Document Number: P000000000
FIDIC Number: 61400000
Date Filed: 11/20/2008
State: FL
Status: ACTIVE

Principal Address
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Registered Agent Name & Address
CORPORATION INCORPORATED
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Division of CORPORATIONS

Detail by Entity Name
Foreign Profit Corporation
CORPORATION INCORPORATED

Entity Information
Document Number: P000000000
FIDIC Number: 61400000
Date Filed: 11/20/2008
State: FL
Status: ACTIVE

Principal Address
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

Registered Agent Name & Address
CORPORATION INCORPORATED
2500 N. WINDY LAKE BLVD
WINDY LAKE, FL 32159

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

CRJ & ASSOCIATES, INC.
2499 STUBING ROAD
SUITE 801
FT. LAUDERDALE, FL 33312

LICENSE NUMBER: CA2045
EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NOVA ENGINEERING AND ENVIRONMENTAL, LLC
3900 KENNESAW WAY 75 PARKWAY
SUITE 100
KENNESAW, GA 30144

LICENSE NUMBER: CA2772
EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

NOTE: As of 2021, this license no longer has an expiration date per the State of Florida.

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

dbpr ONLINE SERVICES

Registry # 4592

Licensee Information
Name: CHEN MOORE AND ASSOCIATES, INC.
License Status: Current
Originally Licensed On: 01/09/1987 (unexpired)
Expires On: 01/09/1987 (unexpired)
Mileage: Corporation 01/09/1987 (unexpired)

dbpr ONLINE SERVICES

Licensee Information
Name: EASTON GROUP CONSULTING, LLC
Main Address: 7015 S. STATE ST. SUITE 100
MIAMI, FL 33155
County: MIAMI
City: MIAMI

License Information
License Type: Registry
Status: Current
License Number: 31918
Status: Current
License Date: 05/03/2019
Expires: Expires

dbpr ONLINE SERVICES

Licensee Information
Name: FIRE, LIFE, SAFETY & SECURITY INSTITUTE, INC.
Main Address: 690 N.E. 3715 ST.
MIAMI, FL 33133
County: MIAMI

License Information
License Type: Registry
Status: Current
License Number: 3623
Status: Current
License Date: 06/15/2003
Expires: Expires

State of Florida
Board of Professional Engineers

Witnesses the Seal of the Board and the Seal of the Department of the Board, duly authorized Officer

2017

Witnesses the Seal of the Board and the Seal of the Department of the Board, duly authorized Officer

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers

Professional Surveyor and Mapper Business License

License No. 1,80440

Expiration Date: February 28, 2023

dbpr ONLINE SERVICES

Licensee Information
Name: [Redacted]
Main Address: [Redacted]
County: [Redacted]

License Information
License Type: Registry
Status: Current
License Number: [Redacted]
Status: Current
License Date: [Redacted]
Expires: Expires



SECTION 8

Required Forms

NON-COLLUSION STATEMENT:

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

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

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

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

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

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

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

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	

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.

 Authorized Signature	Vice President, HDR Engineering, Inc. Title
Melanie E. Fowler Name (Printed)	4/12/2022 Date

**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.



Authorized Signature

Melanie E. Fowler, Vice President, HDR Engineering, Inc.

Print Name and Title

4/12/2022

Date

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: 12644-626

Project Description: General Engineering Aviation Consultant Services, Continuing Contract

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- (a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: HDR Engineering, Inc.

Authorized Company Person's Signature: 

Authorized Company Person's Title: Melanie E. Fowler, Vice President

Date: 4/12/2022

9/15/2020

BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through www.BidSync.com prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

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

Company: (Legal Registration) HDR Engineering, Inc. EIN (Optional): 47-0680568

Address: 3250 W. Commercial Blvd., Suite 100

City: Fort Lauderdale State: FL Zip: 33309

Telephone No.: 954.535.1876 FAX No.: 954.233.4953 Email: erin.hunt@hdrinc.com

Delivery: Calendar days after receipt of Purchase Order (**section 1.02 of General Conditions**):

Total Bid Discount (**section 1.05 of General Conditions**):

Check box if your firm qualifies for MBE / SBE / WBE (**section 1.09 of General Conditions**):

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

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
1	4/4/2022				

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. **You must also click the "Take Exception" button.**

See attached

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, that in no event shall the City's liability for respondent's direct, 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:

Melanie E. Fowler
Name (printed)

4/12/2022
Date


Signature

Vice President
Title



HDR Engineering, Inc. takes exception to Section 10.3 of the draft PSA provided for RFQ 12644-626 General Engineering Aviation Consultant Services, Continuing Contract and we wish to reserve our right to negotiate the at the time of award.

- 10.3 In the event that the lowest “best value” bid, as such term is used in the City of Fort Lauderdale Procurement Code, excluding any alternate bid items (“base bid”), exceeds the Estimated Construction Cost for a project by more than ten percent (10%), CONSULTANT shall explain, in writing, the reasons why the bids or proposals exceeded the ten percent (10%) factor following the analysis of all base bids. In such a circumstance, the CITY may at its sole discretion, exercise any one or more of the following options:
- CONSULTANT shall be required to amend ~~at the sole cost and expense of CONSULTANT~~, the Construction Drawings, Technical Specifications and Supplemental Conditions to enable the project to conform to a maximum of ten (10%) above the Estimated Construction Costs of the project, such amendments to be subject to the written final acceptance and approval of same by the CITY. To the extent any such redesign or corrections are made necessary due to causes within the Consultant's reasonable control such redesign or reduction shall be provided at no additional cost otherwise such redesigns or reductions shall be provided as an additional service;
 - CONSULTANT shall be required to provide at the cost and expense of CONSULTANT re-bidding services and related items (including costs associated with regulatory review and approval of revised documents) as many times as requested by the CITY until the base bid of at least one “best value” bid falls within the factor of ten (10%) of the Estimated Construction Cost of the project. To the extent any such redesign or corrections are made necessary due to causes within the Consultant's reasonable control such redesign or reduction shall be provided at no additional cost otherwise such redesigns or reductions shall be provided as an additional service;
 - The CITY may approve an increase in the Estimated Construction Cost of the Project;
 - The CITY may reject all bids or proposals and may authorize re-bidding;
 - The CITY may if permitted, approve a renegotiation of the Project within a reasonable time;
 - The CITY may abandon the project and terminate CONSULTANT's work authorization and Services for the Project; or
 - The CITY may select as many deductive alternatives as may be necessary to bring the award within ten percent (10%) of the Estimated Construction Costs of the Project.

It is expressly understood and agreed that the redesigning services required to keep the Project within 10% of the Estimated Construction Cost shall not be considered additional services and CONSULTANT agrees that it shall not seek compensation from the CITY for such Services if such services are due to causes within the CONSULTANT's reasonable control.



3250 West Commercial Blvd., Suite 100
Fort Lauderdale, FL 33309-3459

954.233.4914

hdrinc.com

We practice increased use of sustainable
materials and reduction of material use.
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 - CONSULTANT shall be required to provide at the cost and expense of CONSULTANT re-bidding services and related items (including costs associated with regulatory review and approval of revised documents) as many times as requested by the CITY until the base bid of at least one “best value” bid falls within the factor of ten (10%) of the Estimated Construction Cost of the project. To the extent any such redesign or corrections are made necessary due to causes within the Consultant's reasonable control such redesign or reduction shall be provided at no additional cost otherwise such redesigns or reductions shall be provided as an additional service;
 - The CITY may approve an increase in the Estimated Construction Cost of the Project;
 - The CITY may reject all bids or proposals and may authorize re-bidding;
 - The CITY may if permitted, approve a renegotiation of the Project within a reasonable time;
 - The CITY may abandon the project and terminate CONSULTANT's work authorization and Services for the Project; or
 - The CITY may select as many deductive alternatives as may be necessary to bring the award within ten percent (10%) of the Estimated Construction Costs of the Project.

It is expressly understood and agreed that the redesigning services required to keep the Project within 10% of the Estimated Construction Cost shall not be considered additional services and CONSULTANT agrees that it shall not seek compensation from the CITY for such Services if such services are due to causes within the CONSULTANT's reasonable control.

**CITY OF FORT LAUDERDALE
GENERAL CONDITIONS**

These instructions and conditions are standard for all contracts for commodities or services issued through the City of Fort Lauderdale Procurement Services Division. The City may delete, supersede, or modify any of these standard instructions for a particular contract by indicating such change in the Invitation to Bid (ITB) Special Conditions, Technical Specifications, Instructions, Proposal Pages, Addenda, and Legal Advertisement. In this general conditions document, Invitation to Bid (ITB), Request for Qualifications (RFQ), and Request for Proposal (RFP) are interchangeable.

PART I BIDDER PROPOSAL PAGE(S) CONDITIONS:

- 1.01 BIDDER ADDRESS:** The City maintains automated vendor address lists that have been generated for each specific Commodity Class item through our bid issuing service, BidSync. Notices of Invitations to Bid (ITB'S) are sent by e-mail to the selection of bidders who have fully registered with BidSync or faxed (if applicable) to every vendor on those lists, who may then view the bid documents online. Bidders who have been informed of a bid's availability in any other manner are responsible for registering with BidSync in order to view the bid documents. There is no fee for doing so. If you wish bid notifications be provided to another e-mail address or fax, please contact BidSync. If you wish purchase orders sent to a different address, please so indicate in your bid response. If you wish payments sent to a different address, please so indicate on your invoice.
- 1.02 DELIVERY:** Time will be of the essence for any orders placed as a result of this ITB. The City reserves the right to cancel any orders, or part thereof, without obligation if delivery is not made in accordance with the schedule specified by the Bidder and accepted by the City.
- 1.03 PACKING SLIPS:** It will be the responsibility of the awarded Contractor, to attach all packing slips to the OUTSIDE of each shipment. Packing slips must provide a detailed description of what is to be received and reference the City of Fort Lauderdale purchase order number that is associated with the shipment. Failure to provide a detailed packing slip attached to the outside of shipment may result in refusal of shipment at Contractor's expense.
- 1.04 PAYMENT TERMS AND CASH DISCOUNTS:** Payment terms, unless otherwise stated in this ITB, will be considered to be net 45 days after the date of satisfactory delivery at the place of acceptance and receipt of correct invoice at the office specified, whichever occurs last. Bidder may offer cash discounts for prompt payment but they will not be considered in determination of award. If a Bidder offers a discount, it is understood that the discount time will be computed from the date of satisfactory delivery, at the place of acceptance, and receipt of correct invoice, at the office specified, whichever occurs last.
- 1.05 TOTAL BID DISCOUNT:** If Bidder offers a discount for award of all items listed in the bid, such discount shall be deducted from the total of the firm net unit prices bid and shall be considered in tabulation and award of bid.
- 1.06 BIDS FIRM FOR ACCEPTANCE:** Bidder warrants, by virtue of bidding, that the bid and the prices quoted in the bid will be firm for acceptance by the City for a period of one hundred twenty (120) days from the date of bid opening unless otherwise stated in the ITB.
- 1.07 VARIANCES:** For purposes of bid evaluation, Bidder's must indicate any variances, no matter how slight, from ITB General Conditions, Special Conditions, Specifications or Addenda in the space provided in the ITB. No variations or exceptions by a Bidder will be considered or deemed a part of the bid submitted unless such variances or exceptions are listed in the bid and referenced in the space provided on the bidder proposal pages. If variances are not stated, or referenced as required, it will be assumed that the product or service fully complies with the City's terms, conditions, and specifications.
- By receiving a bid, City does not necessarily accept any variances contained in the bid. All variances submitted are subject to review and approval by the City. If any bid contains material variances that, in the City's sole opinion, make that bid conditional in nature, the City reserves the right to reject the bid or part of the bid that is declared by the City as conditional.
- 1.08 NO BIDS:** If you do not intend to bid please indicate the reason, such as insufficient time to respond, do not offer product or service, unable to meet specifications, schedule would not permit, or any other reason, in the space provided in this ITB. Failure to bid or return no bid comments prior to the bid due and opening date and time, indicated in this ITB, may result in your firm being deleted from our Bidder's registration list for the Commodity Class Item requested in this ITB.
- 1.09 MINORITY AND WOMEN BUSINESS ENTERPRISE PARTICIPATION AND BUSINESS DEFINITIONS:** The City of Fort Lauderdale wants to increase the participation of Minority Business Enterprises (MBE), Women Business Enterprises (WBE), and Small Business Enterprises (SBE) in its procurement activities. If your firm qualifies in accordance with the below definitions please indicate in the space provided in this ITB.

Minority Business Enterprise (MBE) "A Minority Business" is a business enterprise that is owned or controlled by one or more socially or economically disadvantaged persons. Such disadvantage may arise from cultural, racial, chronic economic circumstances or background or other similar cause. Such persons include, but are not limited to: Blacks, Hispanics, Asian Americans, and Native Americans.

The term "Minority Business Enterprise" means a business at least 51 percent of which is owned by minority group members or, in the case of a publicly owned business, at least 51 percent of the stock of which is owned by minority group members. For the purpose of the preceding sentence, minority group members are citizens of the United States who include, but are not limited to: Blacks, Hispanics, Asian Americans, and Native Americans.

Women Business Enterprise (WBE) a "Women Owned or Controlled Business" is a business enterprise at least 51 percent of which is owned by females or, in the case of a publicly owned business, at least 51 percent of the stock of which is owned by females.

Small Business Enterprise (SBE) "Small Business" means a corporation, partnership, sole proprietorship, or other legal entity formed for the purpose of making a profit, which is independently owned and operated, has either fewer than 100 employees or less than \$1,000,000 in annual gross receipts.

BLACK, which includes persons having origins in any of the Black racial groups of Africa.

WHITE, which includes persons whose origins are Anglo-Saxon and Europeans and persons of Indo-European decent including Pakistani and East Indian.

HISPANIC, which includes persons of Mexican, Puerto Rican, Cuban, Central and South American, or other Spanish culture or origin, regardless of race.

NATIVE AMERICAN, which includes persons whose origins are American Indians, Eskimos, Aleuts, or Native Hawaiians.

ASIAN AMERICAN, which includes persons having origin in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands.

1.10 MINORITY-WOMEN BUSINESS ENTERPRISE PARTICIPATION

It is the desire of the City of Fort Lauderdale to increase the participation of minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the City does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms. Proposers are requested to include in their proposals a narrative describing their past accomplishments and intended actions in this area. If proposers are considering minority or women owned enterprise participation in their proposal, those firms, and their specific duties have to be identified in the proposal. If a proposer is considered for award, he or she will be asked to meet with City staff so that the intended MBE/WBE participation can be formalized and included in the subsequent contract.

1.11 SCRUTINIZED COMPANIES

As to any contract for goods or services of \$1 million or more and as to the renewal of any contract for goods or services of \$1 million or more, subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), affirmed, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11th Cir. 2013), with regard to the "Cuba Amendment," the Contractor certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and that it does not have business operations in Cuba or Syria, as provided in section 287.135, Florida Statutes (2019), as may be amended or revised. As to any contract for goods or services of any amount and as to the renewal of any contract for goods or services of any amount, the Contractor certifies that it is not on the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2019), and that it is not engaged in a boycott of Israel. The City may terminate this Agreement at the City's option if the Contractor is found to have submitted a false certification as provided under subsection (5) of section 287.135, Florida Statutes (2019), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List created pursuant to Section 215.4725, Florida Statutes (2019), or is engaged in a boycott of Israel, or has been engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2019), as may be amended or revised.

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1.12 DEBARRED OR SUSPENDED BIDDERS OR PROPOSERS

The bidder or proposer certifies, by submission of a response to this solicitation, that neither it nor its principals and subcontractors are presently debarred or suspended by any Federal department or agency.

Part II DEFINITIONS/ORDER OF PRECEDENCE:

2.01 BIDDING DEFINITIONS The City will use the following definitions in its general conditions, special conditions, technical specifications, instructions to bidders, addenda and any other document used in the bidding process:

INVITATION TO BID (ITB) The solicitation document used for soliciting competitive sealed bids for goods or services.

INVITATION TO NEGOTIATE (ITN) All solicitation documents, regardless of medium, whether attached to or incorporated by reference in solicitations for responses from firms that invite proposals from interested and qualified firms so the city may enter into negotiations with the firm(s) determined most capable of providing the required goods or services.

REQUEST FOR PROPOSALS (RFP) A solicitation method used for soliciting competitive sealed proposals to determine the best value among proposals for goods or services for which price may not be the prevailing factor in award of the contract, or the scope of work, specifications or contract terms and conditions may be difficult to define. Such solicitation will consider the qualifications of the proposers along with evaluation of each proposal using identified and generally weighted evaluation criteria. RFPs may include price criteria whenever feasible, at the discretion of the city.

REQUEST FOR QUALIFICATIONS (RFQ) A solicitation method used for requesting statements of qualifications in order to determine the most qualified proposer for professional services.

BID – a price and terms quote received in response to an ITB.

PROPOSAL – a proposal received in response to an RFP.

BIDDER – Person or firm submitting a Bid.

PROPOSER – Person or firm submitting a Proposal.

RESPONSIVE BIDDER – A firm who has submitted a bid, offer, quote, or response which conforms in all material respects to the competitive solicitation document and all of its requirements.

RESPONSIBLE BIDDER – A firm who is fully capable of meeting all requirements of the solicitation and subsequent contract. The respondent must possess the full capability, including financial and technical, ability, business judgment, experience, qualifications, facilities, equipment, integrity, capability, and reliability, in all respects to perform fully the contract requirements and assure good faith performance as determined by the city.

FIRST RANKED PROPOSER – That Proposer, responding to a City RFP, whose Proposal is deemed by the City, the most advantageous to the City after applying the evaluation criteria contained in the RFP.

SELLER – Successful Bidder or Proposer who is awarded a Purchase Order or Contract to provide goods or services to the City.

CONTRACTOR – Any firm having a contract with the city. Also referred to as a "Vendor".

CONTRACT – All types of agreements, including purchase orders, for procurement of supplies, services, and construction, regardless of what these agreements may be called.

CONSULTANT – A firm providing professional services for the city.

- 2.02 SPECIAL CONDITIONS:** Any and all Special Conditions contained in this ITB that may be in variance or conflict with these General Conditions shall have precedence over these General Conditions. If no changes or deletions to General Conditions are made in the Special Conditions, then the General Conditions shall prevail in their entirety,

PART III BIDDING AND AWARD PROCEDURES:

- 3.01 SUBMISSION AND RECEIPT OF BIDS:** To receive consideration, bids must be received prior to the bid opening date and time. Unless otherwise specified, Bidders should use the proposal forms provided by the City. These forms may be duplicated, but failure to use the forms may cause the bid to be rejected. Any erasures or corrections on the bid must be made in ink and initialed by Bidder in ink. All information submitted by the Bidder shall be printed, typewritten or filled in with pen and ink. Bids shall be signed in ink. Separate bids must be submitted for each ITB issued by the City in separate sealed envelopes properly marked. When a particular ITB or RFP requires multiple copies of bids or proposals they may be included in a single envelope or package properly sealed and identified. Only send bids via facsimile transmission (FAX) if the ITB specifically states that bids sent via FAX will be considered. If such a statement is not included in the ITB, bids sent via FAX will be rejected. Bids will be publicly opened in the Procurement Office, or other designated area, in the presence of Bidders, the public, and City staff. Bidders and the public are invited and encouraged to attend bid openings. Bids will be tabulated and made available for review by Bidder's and the public in accordance with applicable regulations.
- 3.02 MODEL NUMBER CORRECTIONS:** If the model number for the make specified in this ITB is incorrect, or no longer available and replaced with an updated model with new specifications, the Bidder shall enter the correct model number on the bidder proposal page. In the case of an updated model with new specifications, Bidder shall provide adequate information to allow the City to determine if the model bid meets the City's requirements.
- 3.03 PRICES QUOTED:** Deduct trade discounts, and quote firm net prices. Give both unit price and extended total. In the case of a discrepancy in computing the amount of the bid, the unit price quoted will govern. All prices quoted shall be F.O.B. destination, freight prepaid (Bidder pays and bears freight charges, Bidder owns goods in transit and files any claims), unless otherwise stated in Special Conditions. Each item must be bid separately. No attempt shall be made to tie any item or items contained in the ITB with any other business with the City.
- 3.04 TAXES:** The City of Fort Lauderdale is exempt from Federal Excise and Florida Sales taxes on direct purchase of tangible property. Exemption **number for EIN is 59-6000319, and State Sales tax exemption number is 85-8013875578C-1.**
- 3.05 WARRANTIES OF USAGE:** Any quantities listed in this ITB as estimated or projected are provided for tabulation and information purposes only. No warranty or guarantee of quantities is given or implied. It is understood that the Contractor will furnish the City's needs as they arise.
- 3.06 APPROVED EQUAL:** When the technical specifications call for a brand name, manufacturer, make, model, or vendor catalog number with acceptance of APPROVED EQUAL, it shall be for the purpose of establishing a level of quality and features desired and acceptable to the City. In such cases, the City will be receptive to any unit that would be considered by qualified City personnel as an approved equal. In that the specified make and model represent a level of quality and features desired by the City, the Bidder must state clearly in the bid any variance from those specifications. It is the Bidder's responsibility to provide adequate information, in the bid, to enable the City to ensure that the bid meets the required criteria. If adequate information is not submitted with the bid, it may be rejected. The City will be the sole judge in determining if the item bid qualifies as an approved equal.
- 3.07 MINIMUM AND MANDATORY TECHNICAL SPECIFICATIONS:** The technical specifications may include items that are considered minimum, mandatory, or required. If any Bidder is unable to meet or exceed these items, and feels that the technical specifications are overly restrictive, the bidder must notify the Procurement Services Division immediately. Such notification must be received by the Procurement Services Division prior to the deadline contained in the ITB, for questions of a material nature, or prior to five (5) days before bid due and open date, whichever occurs first. If no such notification is received prior to that deadline, the City will consider the technical specifications to be acceptable to all bidders.
- 3.08 MISTAKES:** Bidders are cautioned to examine all terms, conditions, specifications, drawings, exhibits, addenda, delivery instructions and special conditions pertaining to the ITB. Failure of the Bidder to examine all pertinent documents shall not entitle the bidder to any relief from the conditions imposed in the contract.
- 3.09 SAMPLES AND DEMONSTRATIONS:** Samples or inspection of product may be requested to determine suitability. Unless otherwise specified in Special Conditions, samples shall be requested after the date of bid opening, and if requested should be received by the City within seven (7) working days of request. Samples, when requested, must be furnished free of expense to the City and if not used in testing or destroyed, will upon request of the Bidder, be returned within thirty (30) days of bid award at Bidder's expense. When required, the City may request full demonstrations of units prior to award. When such demonstrations are requested, the Bidder shall respond promptly and arrange a demonstration at a convenient location. Failure to provide samples or demonstrations as specified by the City may result in rejection of a bid.
- 3.10 LIFE CYCLE COSTING:** If so specified in the ITB, the City may elect to evaluate equipment proposed on the basis of total cost of ownership. In using Life Cycle Costing, factors such as the following may be considered: estimated useful life, maintenance costs, cost of supplies, labor intensity, energy usage, environmental impact, and residual value. The City reserves the right to use those or other applicable criteria, in its sole opinion that will most accurately estimate total cost of use and ownership.
- 3.11 BIDDING ITEMS WITH RECYCLED CONTENT:** In addressing environmental concerns, the City of Fort Lauderdale encourages Bidders to submit bids or alternate bids containing items with recycled content. When submitting bids containing items with recycled content, Bidder shall provide documentation adequate for the City to verify the recycled content. The City prefers packaging consisting of materials that are degradable or able to be recycled. When specifically stated in the ITB, the City may give preference to bids containing items manufactured with recycled material or packaging that is able to be recycled.

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- 3.12 USE OF OTHER GOVERNMENTAL CONTRACTS:** The City reserves the right to reject any part or all of any bids received and utilize other available governmental contracts, if such action is in its best interest.
- 3.13 QUALIFICATIONS/INSPECTION:** Bids will only be considered from firms normally engaged in providing the types of commodities/services specified herein. The City reserves the right to inspect the Bidder's facilities, equipment, personnel, and organization at any time, or to take any other action necessary to determine Bidder's ability to perform. The Procurement Director reserves the right to reject bids where evidence or evaluation is determined to indicate inability to perform.
- 3.14 BID SURETY:** If Special Conditions require a bid security, it shall be submitted in the amount stated. A bid security can be in the form of a bid bond or cashier's check. Bid security will be returned to the unsuccessful bidders as soon as practicable after opening of bids. Bid security will be returned to the successful bidder after acceptance of the performance bond, if required; acceptance of insurance coverage, if required; and full execution of contract documents, if required; or conditions as stated in Special Conditions.
- 3.15 PUBLIC RECORDS/TRADE SECRETS/COPYRIGHT:** The Proposer's response to the RFP is a public record pursuant to Florida law, which is subject to disclosure by the City under the State of Florida Public Records Law, Florida Statutes Chapter 119.07 ("Public Records Law"). The City shall permit public access to all documents, papers, letters or other material submitted in connection with this RFP and the Contract to be executed for this RFP, subject to the provisions of Chapter 119.07 of the Florida Statutes.

Any language contained in the Proposer's response to the RFP purporting to require confidentiality of any portion of the Proposer's response to the RFP, except to the extent that certain information is in the City's opinion a Trade Secret pursuant to Florida law, shall be void. If a Proposer submits any documents or other information to the City which the Proposer claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 ("Public Records Laws"), the Proposer shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Proposer must specifically identify the exemption being claimed under Florida Statutes 119.07. The City shall be the final arbiter of whether any information contained in the Proposer's response to the RFP constitutes a Trade Secret. The city's determination of whether an exemption applies shall be final, and the proposer agrees to defend, indemnify, and hold harmless the City and the City's officers, employees, and agents, against any loss or damages incurred by any person or entity as a result of the City's treatment of records as public records. In addition, the proposer agrees to defend, indemnify, and hold harmless the City and the City's officers, employees, and agents, against any loss or damages incurred by any person or entity as a result of the City's treatment of records as exempt from disclosure or confidential. Proposals bearing copyright symbols or otherwise purporting to be subject to copyright protection in full or in part may be rejected. The proposer authorizes the City to publish, copy, and reproduce any and all documents submitted to the City bearing copyright symbols or otherwise purporting to be subject to copyright protection.

EXCEPT FOR CLEARLY MARKED PORTIONS THAT ARE BONA FIDE TRADE SECRETS PURSUANT TO FLORIDA LAW, DO NOT MARK YOUR RESPONSE TO THE RFP AS PROPRIETARY OR CONFIDENTIAL. DO NOT MARK YOUR RESPONSE TO THE RFP OR ANY PART THEREOF AS COPYRIGHTED.

- 3.16 PROHIBITION OF INTEREST:** No contract will be awarded to a bidding firm who has City elected officials, officers or employees affiliated with it, unless the bidding firm has fully complied with current Florida State Statutes and City Ordinances relating to this issue. Bidders must disclose any such affiliation. Failure to disclose any such affiliation will result in disqualification of the Bidder and removal of the Bidder from the City's bidder lists and prohibition from engaging in any business with the City.
- 3.17 RESERVATIONS FOR AWARD AND REJECTION OF BIDS:** The City reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City also reserves the right to award the contract on a split order basis, lump sum basis, individual item basis, or such combination as shall best serve the interest of the City. The City reserves the right to make an award to the responsive and responsible bidder whose product or service meets the terms, conditions, and specifications of the ITB and whose bid is considered to best serve the City's interest. In determining the responsiveness of the offer and the responsibility of the Bidder, the following shall be considered when applicable: the ability, capacity and skill of the Bidder to perform as required; whether the Bidder can perform promptly, or within the time specified, without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the Bidder; the quality of past performance by the Bidder; the previous and existing compliance by the Bidder with related laws and ordinances; the sufficiency of the Bidder's financial resources; the availability, quality and adaptability of the Bidder's supplies or services to the required use; the ability of the Bidder to provide future maintenance, service or parts; the number and scope of conditions attached to the bid.

If the ITB provides for a contract trial period, the City reserves the right, in the event the selected bidder does not perform satisfactorily, to award a trial period to the next ranked bidder or to award a contract to the next ranked bidder, if that bidder has successfully provided services to the City in the past. This procedure to continue until a bidder is selected or the contract is re-bid, at the sole option of the City.

- 3.18 LEGAL REQUIREMENTS:** Applicable provisions of all federal, state, county laws, and local ordinances, rules and regulations, shall govern development, submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a bid response hereto and the City by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any bidder shall not constitute a cognizable defense against the legal effect thereof.
- 3.19 BID PROTEST PROCEDURE:** Any proposer or bidder who is not recommended for award of a contract and who alleges a failure by the city to follow the city's procurement ordinance or any applicable law may protest to the chief procurement officer, by delivering a letter of protest to the director of finance within five (5) days after a notice of intent to award is posted on the city's web site at the following url: <https://www.fortlauderdale.gov/departments/finance/procurement-services/notices-of-intent-to-award>

The complete protest ordinance may be found on the city's web site at the following url: https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodeid=coor_ch2ad_artvfi_div2pr_s2-182direpr

PART IV BONDS AND INSURANCE

- 4.01 PERFORMANCE BOND:** If a performance bond is required in Special Conditions, the Contractor shall within fifteen (15) working days after notification of award, furnish to the City a Performance Bond, payable to the City of Fort Lauderdale, Florida, in the face amount specified in Special Conditions as surety for faithful

performance under the terms and conditions of the contract. If the bond is on an annual coverage basis, renewal for each succeeding year shall be submitted to the City thirty (30) days prior to the termination date of the existing Performance Bond. The Performance Bond must be executed by a surety company of recognized standing, authorized to do business in the State of Florida and having a resident agent.

Acknowledgement and agreement is given by both parties that the amount herein set for the Performance Bond is not intended to be nor shall be deemed to be in the nature of liquidated damages nor is it intended to limit the liability of the Contractor to the City in the event of a material breach of this Agreement by the Contractor.

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4.02 INSURANCE: The Contractor shall assume full responsibility and expense to obtain all necessary insurance as required by City or specified in Special Conditions.

The Contractor shall provide to the Procurement Services Division original certificates of coverage and receive notification of approval of those certificates by the City's Risk Manager prior to engaging in any activities under this contract. The Contractor's insurance is subject to the approval of the City's Risk Manager. The certificates must list the City as an ADDITIONAL INSURED for General Liability Insurance and shall have no less than thirty (30) days written notice of cancellation or material change. Further modification of the insurance requirements may be made at the sole discretion of the City's Risk Manager if circumstances change or adequate protection of the City is not presented. Bidder, by submitting the bid, agrees to abide by such modifications.

PART V PURCHASE ORDER AND CONTRACT TERMS:

5.01 COMPLIANCE WITH SPECIFICATIONS, LATE DELIVERIES/PENALTIES: Items offered may be tested for compliance with bid specifications. Items delivered which do not conform to bid specifications may be rejected and returned at Contractor's expense. Any violation resulting in contract termination for cause or delivery of items not conforming to specifications, or late delivery may also result in:

- Bidder's name being removed from the City's bidder's mailing list for a specified period and Bidder will not be recommended for any award during that period.
- All City Departments being advised to refrain from doing business with the Bidder.
- All other remedies in law or equity.

5.02 ACCEPTANCE, CONDITION, AND PACKAGING: The material delivered in response to ITB award shall remain the property of the Seller until a physical inspection is made and the material accepted to the satisfaction of the City. The material must comply fully with the terms of the ITB, be of the required quality, new, and the latest model. All containers shall be suitable for storage and shipment by common carrier, and all prices shall include standard commercial packaging. The City will not accept substitutes of any kind. Any substitutes or material not meeting specifications will be returned at the Bidder's expense. Payment will be made only after City receipt and acceptance of materials or services.

5.03 SAFETY STANDARDS: All manufactured items and fabricated assemblies shall comply with applicable requirements of the Occupation Safety and Health Act of 1970 as amended.

5.04 ASBESTOS STATEMENT: All material supplied must be 100% asbestos free. Bidder, by virtue of bidding, certifies that if awarded any portion of the ITB the bidder will supply only material or equipment that is 100% asbestos free.

5.05 OTHER GOVERNMENTAL ENTITIES: If the Bidder is awarded a contract as a result of this ITB, the bidder may, if the bidder has sufficient capacity or quantities available, provide to other governmental agencies, so requesting, the products or services awarded in accordance with the terms and conditions of the ITB and resulting contract. Prices shall be F.O.B. delivered to the requesting agency.

5.06 VERBAL INSTRUCTIONS PROCEDURE: No negotiations, decisions, or actions shall be initiated or executed by the Contractor as a result of any discussions with any City employee. Only those communications which are in writing from an authorized City representative may be considered. Only written communications from Contractors, which are assigned by a person designated as authorized to bind the Contractor, will be recognized by the City as duly authorized expressions on behalf of Contractors.

5.07 INDEPENDENT CONTRACTOR: The Contractor is an independent contractor under this Agreement. Personal services provided by the Proposer shall be by employees of the Contractor and subject to supervision by the Contractor, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security, health insurance, employee benefits, procurement policies unless otherwise stated in this ITB, and other similar administrative procedures applicable to services rendered under this contract shall be those of the Contractor.

5.08 INDEMNITY/HOLD HARMLESS AGREEMENT: Contractor shall protect and defend at Contractor's expense, counsel being subject to the City's approval, and indemnify and hold harmless the City and the City's officers, employees, volunteers, and agents from and against any and all losses, penalties, fines, damages, settlements, judgments, claims, costs, charges, expenses, or liabilities, including any award of attorney fees and any award of costs, in connection with or arising directly or indirectly out of any act or omission by the Contractor or by any officer, employee, agent, invitee, subcontractor, or sublicensee of the Contractor. Without limiting the foregoing, any and all such claims, suits, or other actions relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged violations of any applicable statute, ordinance, administrative order, rule or regulation, or decree of any court shall be included in the indemnity hereunder.

5.09 TERMINATION FOR CAUSE: If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Agreement, or if the Contractor shall violate any of the provisions of this Agreement, the City may upon written notice to the Contractor terminate the right of the Contractor to proceed under this Agreement, or with such part or parts of the Agreement as to which there has been default, and may hold the Contractor liable for any damages caused to the City by reason of such default and termination. In the event of such termination, any completed services performed by the Contractor under this Agreement shall, at the option of the City, become the City's property and the Contractor shall be entitled to receive equitable compensation for any work completed to the satisfaction of

the City. The Contractor, however, shall not be relieved of liability to the City for damages sustained by the City by reason of any breach of the Agreement by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the amount of damages due to the City from the Contractor can be determined.

- 5.10 TERMINATION FOR CONVENIENCE:** The City reserves the right, in the City's best interest as determined by the City, to cancel any contract by giving written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.
- 5.11 CANCELLATION FOR UNAPPROPRIATED FUNDS:** The obligation of the City for payment to a Contractor is limited to the availability of funds appropriated in a current fiscal period, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.
- 5.12 RECORDS/AUDIT:** The Contractor shall maintain during the term of the contract all books of account, reports and records in accordance with generally accepted accounting practices and standards directly related to this contract. The Contractor agrees to make available to the City Auditor or the City Auditor's designee, during normal business hours and in Broward, Miami-Dade or Palm Beach Counties, all books of account, reports, and records relating to this contract. The Contractor shall retain all books of account, reports, and records relating to this contract for the duration of the contract and for three years after the final payment under this Agreement, until all pending audits, investigations or litigation matters relating to the contract are closed, or until expiration of the records retention period prescribed by Florida law or the records retention schedules adopted by the Division of Library and Information Services of the Florida Department of State, whichever is later.
- 5.13 PERMITS, TAXES, LICENSES:** The successful Contractor shall, at his/her/its own expense, obtain all necessary permits, pay all licenses, fees and taxes, required to comply with all local ordinances, state and federal laws, rules and regulations applicable to business to be carried out under this contract.
- 5.14 LAWS/ORDINANCES:** The Contractor shall observe and comply with all Federal, state, local and municipal laws, ordinances rules and regulations that would apply to this contract.

NON-DISCRIMINATION: The Contractor shall not, in any of its activities, including employment, discriminate against any individual on the basis of race, color, national origin, age, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, marital status, or any other protected classification as defined by applicable law.

1. The Contractor certifies and represents that the Contractor will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, (2019), as may be amended or revised, ("Section 2-187"), during the entire term of this Agreement.
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

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- 5.15 UNUSUAL CIRCUMSTANCES:** If during a contract term where costs to the City are to remain firm or adjustments are restricted by a percentage or CPI cap, unusual circumstances that could not have been foreseen by either party of the contract occur, and those circumstances significantly affect the Contractor's cost in providing the required prior items or services, then the Contractor may request adjustments to the costs to the City to reflect the changed circumstances. The circumstances must be beyond the control of the Contractor, and the requested adjustments must be fully documented. The City may, after examination, refuse to accept the adjusted costs if they are not properly documented, increases are considered to be excessive, or decreases are considered to be insufficient. In the event the City does not wish to accept the adjusted costs and the matter cannot be resolved to the satisfaction of the City, the City will reserve the following options:
1. The contract can be canceled by the City upon giving thirty (30) days written notice to the Contractor with no penalty to the City or Contractor. The Contractor shall fill all City requirements submitted to the Contractor until the termination date contained in the notice.
 2. The City requires the Contractor to continue to provide the items and services at the firm fixed (non-adjusted) cost until the termination of the contract term then in effect.
 3. If the City, in its interest and in its sole opinion, determines that the Contractor in a capricious manner attempted to use this section of the contract to relieve Contractor of a legitimate obligation under the contract, and no unusual circumstances had occurred, the City reserves the right to take any and all action under law or equity. Such action shall include, but not be limited to, declaring the Contractor in default and disqualifying Contractor from receiving any business from the City for a stated period of time.

If the City does agree to adjusted costs, these adjusted costs shall not be invoiced to the City until the Contractor receives notice in writing signed by a person authorized to bind the City in such matters.

- 5.16 ELIGIBILITY:** If applicable, the Contractor must first register with the Florida Department of State in accordance with Florida Statutes, prior to entering into a contract with the City.
- 5.17 PATENTS AND ROYALTIES:** The Contractor, without exception, shall defend, indemnify, and hold harmless the City and the City's employees, officers, employees, volunteers, and agents from and against liability of any nature and kind, including cost and expenses for or on account of any copyrighted, patented or un-patented invention, process, or article manufactured or used in the performance of the contract, including their use by the City. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include any and all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

- 5.18 **ASSIGNMENT:** Contractor shall not transfer or assign the performance required by this ITB without the prior written consent of the City. Any award issued pursuant to this ITB, and the monies, which may become due hereunder, are not assignable except with the prior written approval of the City Commission or the City Manager or City Manager's designee, depending on original award approval.
- 5.19 **GOVERNING LAW; VENUE:** The Contract shall be governed by and construed in accordance with the laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of the Contract, and for any other legal proceeding, shall be in the courts in and for Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida.
- 5.20 **PUBLIC RECORDS:**

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT PRRCONTRACT@FORTLAUDERDALE.GOV, 954-828-5002, CITY CLERK'S OFFICE, 100 N. ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301.

Contractor shall comply with public records laws, and Contractor shall:

1. Keep and maintain public records required by the City to perform the service.
2. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2019), as may be amended or revised, or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City.
4. Upon completion of the Contract, transfer, at no cost, to the City all public records in possession of the Contractor or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the Contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the Contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

NON-COLLUSION STATEMENT:

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

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

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

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

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

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

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

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	N/A

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.

<p>Wendy Fardanesh Authorized Signature</p>	<p>Marketing Coordinator Title</p>
<p>Wendy Fardanesh Name (Printed)</p>	<p>4/14/2022 Date</p>

**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

Wendy Fardanesh
Authorized Signature

Wendy Fardanesh, Marketing Coordinator
Print Name and Title

4/14/2022
Date

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: **12644-626**

Project Description: **General Engineering Aviation Consult Services, Continuing Contract**

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- (a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: **HDR Engineering, Inc.**

Authorized Company Person's Signature: **Wendy Fardanesh**

Authorized Company Person's Title: **Marketing Coordinator**

Date: **4/14/2022**

9/15/2020

BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through www.BidSync.com prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

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

Company: (Legal Registration) **HDR Engineering, Inc.**EIN (Optional): **47-0680568**

Address: **3250 West Commercial Blvd., Suite 100**

City: **Fort Lauderdale**State: **FL**Zip: **33309**

Telephone No.: **954.535.1876**FAX No.: **954.233.4953**Email: **wendy.fardanesh@hdrinc.com**

Delivery: Calendar days after receipt of Purchase Order (**section 1.02 of General Conditions**):

Total Bid Discount (**section 1.05 of General Conditions**):

Check box if your firm qualifies for MBE / SBE / WBE (**section 1.09 of General Conditions**):

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

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
1	4/4/2022				

VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. **You must also click the “Take Exception” button.**

See attached

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, that in no event shall the City’s liability for respondent’s direct, 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:

Wendy Fardanesh
Name (printed)

4/14/2022
Date

Wendy Fardanesh
Signature

Marketing Coordinator
Title

Revised 4/28/2020