

Perez & Perez Architects Planners, Inc.

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Qualifications **MBE SB**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PNC2120437P1--01-01	Professional Consultant Services	Supplier Product Code:	First Offer -	1 / contract	Y	Y
Supplier Total					\$0.00	

Perez & Perez Architects Planners, Inc.

Item: **Professional Consultant Services**

Attachments

Perez Perez Final Submission.pdf



FLL & HWO AIRPORTS BUILDING PROJECTS

PNC2120437P1

BROWARD COUNTY, FLORIDA



TABLE OF CONTENTS.

A	LETTER OF INTENT.....	02.
B	QUALIFICATIONS	
	Our team.....	08.
	Past Experience.....	12.
	CBE- Participation.....	66.
C	PROJECT TEAM	
	Organizational Chart.....	69.
	Resumes.....	71.
D	REFERENCES	
	Vendor Reference Forms.....	116.
E	ADDITIONAL FORMS	
	Vendor Financial Statement.....	120.
	Insurance Requirements.....	128.

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LETTER OF INTENT .



April 21st, 2021

Ms. Melisa Cuevas
Purchasing Agent
Purchasing Division
Broward County

Re: **Facility Design Service; Professional Consulting Services for FLL & HWO
Airports Building Projects**

Solicitation No. PNC2120437P1
Broward County, Florida

Proposal
NTPC/Notice to Professional Consultants

Dear Ms. Cuevas

In response to the NTPC/Notice to Professional Consultants for the consulting services for FLL & HWO Airports it is my pleasure to submit to you the Perez & Perez Architects proposal to provide the Professional Services requested as part of the public advertisement. Please accept our submittal as conveying our strongest commitment to the Broward County Purchasing Division & Aviation Departments and of our interest in serving you on this project.

Perez & Perez will serve as the **Prime Consultant** and **Aviation Expert** to meet the specific needs of the Aviation Department from services ranging for pre-design, design services, construction administration, assessments, cost estimation, renderings/imaging, owner representative and project management services. We bring to Broward County the local project specific experience and technical knowledge these consultant services require.

- P&P has previously completed the design and implementation of numerous airside/landside passenger facilities and related upgrades at Miami International Airport, with specific focus on the enabling projects required to accomplish the MIA CIP Master Plan. P&P will provide design solutions encompassing future opportunities and possibilities to ensure that South Florida continues to be the choice for airlines and passengers in the domestic and international markets in the 21st Century.
- P&P has excelled in the planning, design, and construction supervision of state-of-the-art Aviation Facilities globally and locally in the United States, North, Central & South America, the Caribbean, these domestic and international projects have been recognized with awards and distinctions of honor in design excellence while capably servicing their client's needs.
- With over 40 years of aviation experience Perez & Perez as well as the rest of the team, has worked with numerous Local, State and National government agency's including the South Florida Water Management District, Florida Department of Transportation, Federal Aviation Administration, Federal Emergency Management Agency and Florida Department of Environmental Protection.

- Besides aviation terminal design terminal upgrades, pedestrian boarding bridges, security infrastructure improvements, our team has experience and is familiar with the procedures and requirements US Customs Border Patrol, parking garage development, car rental facilities and intermodal transit connections to the airport.
- P&P documentation tools include Revit, BIM 360 as required by the project. AutoCAD, as well as other current graphic software programs.

The P&P Team

We have assembled a team of local and national experts within their respective fields that have collaborated with our firm over the years who demonstrated commitment to Broward County in providing their technical skills is uniquely qualified to respond to varying projects and situation in the aviation field.

Our consultants are as follows:

- Perez & Perez.....** Architectural Design
(PRIME) Interior Design Architecture
Cost Analysis
- T.Y Lin International.....** Civil Engineering
Transportation & Traffic Engineering
Blast Analysis & Design Services
Environmental Protection
Inspection Services
- Bliss & Nyitray, Inc.....** General Structural Engineering
- Hammond & Associates.....** Electrical, Mechanical & Plumbing Engineering
(CBE) Fire Protection Design
Telecommunications, Data Engineering, CCTV
Lighting Systems
LEED Professional Services
- Merchant Aviation.....** Feasibility Assessments
Aviation Planning
- WGI Inc.....** Land Surveying & Mapping
Environmental
3D Modeling/ BIM
Parking Consultants
- Radise International, Inc.....** Geotechnical Engineering
Materials Testing
- Curtis + Rogers Design Studio, Inc.....** Landscape Architecture
(CBE)

Key Members

Daniel Perez-Zarraga, AIA, with over 35 years experience will be the principal in charge of this project and oversee all aspects of design, planning, and management and quality assurance. Jaime Cruanyas AIA, our Project Manager has over 26 years of managing multiple aviation projects including terminal design, baggage handling systems, cargo hangars and landside and airside office buildings. If awarded this project Jaime will dedicate substantial time and resources to managing the projects assigned to us and direct our in-house team of professionals.

Why Us:

We will ensure your aviation facilities are designed with the utmost operational effectiveness, the aesthetics will never be compromised, the budget is adhered to, and that the facilities are competitive on the global aviation market. We offer the following characteristics of with our aviation practice.

- **The P&P team has a proven ability to work with program managers, airlines, airport tenants and all regulatory agencies**
- **Global and domestic understanding of trends and issues facing the Aviation industry today. With our internationally recognized team of aviation experts, strategically partnered with local Broward County expertise, we are the right team to help to help Broward County develop cohesively in these changing times.**
- **An understanding of aviation systems, their trends, and the Imagery necessary for a 21st Century aviation experience.**

As you read about our aviation team and our extensive experience, you will find that based on our significant knowledge in the planning and design, and construction administration of aviation facilities both worldwide and specifically related to South Florida we are uniquely qualified to develop any project that is assigned to us. Perez & Perez is committed to meeting county's time and budget requirements for each specific project assigned to the firm. Our team has the local presence to address all the critical issues involved in the successful implementation, execution, integration, and supervision of any of the enabling projects.

We look forward serving Broward County and hope to have an opportunity to present our project approach to your Selection Committee to further reinforce our commitment.

Sincerely,



Daniel Perez-Zarraga
Principal
Perez & Perez Architects Planners
2121 Douglas Rd
Miami, FL 33145
Danielp@perezperez.com

B

QUALIFICATIONS.

PEREZ & PEREZ ARCHITECTS PLANNERS, INC. AIRPORT FACILITIES

Our experience in design and construction administration for airport facilities includes: airfields, terminal facilities, cargo buildings, passenger concourses, ramp operations areas, airline administration offices, curbsides, ATO's, car rental areas, baggage systems, information systems, passenger conveyor systems, utility expansions, FIS facilities, MRO Hangar Maintenance Facilities, and airline tenant improvements.

TERMINALS

For the past 37 years, our work at Miami International Airport has been concentrated on the development and advancement of Terminal expansions and modifications, airside design in the expansions of Concourses B, D, H, and the North and South Terminal development programs, which have included many elements to be found as part of the MIA Facility Design Services program, such as; baggage handling renovation/installation, vehicular drive resurfacing, concession/terminal improvements, ATO ticketing area modifications, terminal seating/space planning design, and parking lot layout/design.



TERMINAL AIRLINE IMPROVEMENTS

Since 1984 MIA Tenant Airlines have retained us to provide terminal improvement, baggage handling renovations, ATO ticket offices expansion & renovations, FF&E procurement, concourse ramp offices & maintenance space design, VIP Clubs, and private development programming & design. Among the user airlines we have provided services for American Airlines, Delta, USAir, United Airlines, Continental Airlines, Braniff, Eastern Airlines, Piedmont Airlines, Air France, Bahamas Air, LAN, & TAM.

CONCOURSES

Concourse departure lounge expansion & modification, ticket area improvements, concession area development, FAA eligibility requirements compliance, tenant improvements coordination, ramp operations office maintenance areadevelopment, movingsidewalkstransportation interface, passenger loading bridges, and aircraft preconditioned air system design.

MIA Concourse B Expansion and Modification

14 airside domestic/sterile gates

MIA Concourse D Extension

10 airside domestic/sterile gates

MIA Concourse D Link.

8 airside domestic/sterile gates

MIA Concourse H Interim Refurbishment

8 airside domestic/sterile gates

MIA Concourse B Improvements/Refurbishment

Security improvements/modifications

MIA Concourse H Phase 2

9 airside domestic/sterile gates

MIA Concourse H International Modifications

4 airside domestic/sterile gates

MIA Concourse C-D Infill & D Extension

14 airside gate Interior Finish-out

MIA Concourse A-B Infill

10 airside domestic/sterile gate/Shell and Interior





RAMP/UNDERGROUND UTILITIES

Fueling distribution system, one/two pipe; apron design - joint layout/overall design, paving, drainage, sanitary, canal diversions, 400 Hz. electrical power systems, and ice tank preconditioned air systems.

CARGO FACILITIES

Multi-bay warehouse areas, tenant offices, service areas, cargo clearance counters, cargo freight station, bonded secure areas, mechanized cargo handling, loading docks, utility corridors, apron aircraft parking, canal relocation, roadway realignment and airside/landside development.



MULTI-USE P3 DEVELOPMENTS

P3, Private Investment developments including simulation training centers, hotel development, Class A Office spaces, privatized parking garages, commercial & retail development, land lease buyback programs.



HANGARS & MRO FACILITIES

Privately funded airline B777-ER Hangars, B747/767 dual hangars, maintenance repair stations, airside apron & taxiway improvements, landside site improvements, and general aviation passenger terminals

B

OURTEAM

ARCHITECTURAL DESIGN/ INTERIOR DESIGN/COST ESTIMATE



- PRIME

Founded in 1984, Perez & Perez Architects Planners is a full service architectural and interiors firm and has succeeded in becoming a recognized firm with a reputation for design excellence and attention to detail. Our diversified practice encompasses major airport, seaport, university and school projects, transportation facilities, public /private multi family housing, single family residential developments, commercial and retail facilities, office buildings and custom residences. By providing numerous public and private sector clients with reliable guidance through the intricacies of planning, design, construction and renovation of their facilities, the firm has subsequently prospered largely by the acquisition of repeat-client commissions and referrals. Today, the firm is an expanding organization with a reputation for excellence in total project delivery, going beyond the Florida communities, currently serving Central and South America.

With over 35 years of experience, Perez & Perez and its principals have accumulated continuous aviation projects experience, encompassing Planning, Coordination of Architectural Document Production, and Construction Administration; for both airside and terminal side related projects. The firm's objective is to maintain its reputation and expand its presence as a leading architectural firm in Aviation Design.

STRUCTURAL ENGINEERING



Bliss & Nyitray, Inc. (BNI) is headquartered in Miami, Florida. Founded in 1955, we have provided a full range of Structural Engineering, Value Engineering and Inspection Services of recognized high quality to a variety of private and governmental clients throughout the Eastern United States and the Caribbean. We are not complacent about the future; we continually upgrade staff skills, utilize the latest in technological advances and remain current on building codes by actively participating in their formation. Our knowledge of materials, foundations and framing systems and our focus on the needs of the project, has given our firm a reputation for highly creative designs that reduce cost and simplify construction. Our highly skilled staff of 45 has a production staff of 10 registered engineers, 20 graduate engineers, most with Masters Degrees, and REVIT/CAD technicians.

MEP FP ENGINEERING/ FIRE PROTECTION/ TELECOM/
LIGHTING SYSTEMS/ LEED 



Hammond & Associates was founded in 1988 and has been providing Mechanical, Electrical and Plumbing engineering design services to South Florida for the past thirty-two years. We specialize in the designs of HVAC, Electrical, Fire Alarm, Plumbing and Fire Protection systems, as well as Cost Estimating, Permitting Assistance and Construction Administration. We have offices in Miami-Dade, Broward and Palm Beach Counties. We are a registered Minority Business Enterprise (MBE) with the State of Florida, Broward County Business Enterprise (CBE) and a Broward County Disadvantage Business Enterprise (DBE). We have provided Aviation design services for both Fort Lauderdale/ Hollywood International Airport (FLL) and Miami International Airport (MIA). Our most recent projects include Fort Lauderdale's Terminal 4 East/ West extension and MIA's Terminal E Bathroom Modernization project. Hammond & Associates has been providing Mechanical, Electrical and Plumbing and Fire Protection engineering design services to Miami-Dade Aviation Department for the past 20+ years under two (2) continuous Miscellaneous contracts.

TYLI is a local, full-service, multidisciplinary architecture and engineering firm, with extensive experience providing professional architecture and engineering services to various aviation clients throughout the United States and especially at Fort Lauderdale-Hollywood International Airport. Our South Florida staff of over 100 professionals includes a multidiscipline team of aviation planners, architects, civil, structural, mechanical, and electrical engineers, as well as environmental scientists dedicated to aviation projects.

TYLI is a leader in the planning, design, and construction administration of aviation fuel facilities providing innovative solutions for small community airports as well as regional and international airports. Our expertise includes Fuel Hydrant Systems, Storage and Dispensing Facilities, Fire Protection Systems, Hydraulic and Surge Analysis, Truck Loading Stations, Fuel Distribution Systems, Leak Detection, Tank Refurbishment, Environmental Site Assessments, Underground Storage Tank (UST) Removals, Secondary Containment, Groundwater Monitoring, and Spill Prevention, Control and Countermeasure (SPCC) Plans.

The firms experience with BCAD includes

Fort Lauderdale / Hollywood International Airport

- Taxiway & Ramp Rehabilitation
- New South Runway and Terminal 4 Replacement, and Enabling Projects
- FLL Fuel Farm Expansion Resident Engineering Services
- Relocate Underground Jet Fuel Line
- Jet Fuel Tank and Fire Protection
- Terminal T3 Gate F1 Jet Fuel Hydrant Valve Pit
- Terminals T3/T4 Connector Jet Fuel Hydrant Pipe Replacement
- Alternative Leak Detection System Procedure for Terminal 1 Fuel System Piping
- Terminal 1 Hydrant Fuel System

SURVEYING MAPPING SUEPARKING ENVIRONMENTAL
 PROTECTION



Established in 1972, WGI is a multi-disciplinary firm providing high-quality professional services to clients throughout the United States. Our team provides innovative geospatial professionals who will provide expertise and outstanding and our expertise includes registered professional land surveyors (PLS), certified photogrammetrists, (CP); LiDAR remote sensing experts; Geographic Information Systems Professionals (GISP), certified survey technicians (CSTs), and registered professional engineers (PE). By laying a foundation based on excellent service and innovative solutions nearly 50 years ago, WGI has built an excellent reputation that continually results in repeat business. Now a multidisciplinary consultancy, our firm provides a comprehensive range of services, allowing us to meet our clients' every need, even when unexpected challenges occur. The professional services WGI provides include geospatial, subsurface utility engineering (SUE), land development, municipal engineering, traffic and transportation engineering, parking solutions, structures, landscape architecture, environmental sciences, architecture, land planning, mechanical, electrical, and plumbing (MEP) engineering, and creative services.

FEASIBILITY ASSESSMENT / AVIATION PLANNING

Merchant Aviation (MAv-ADPi) is a full-service aviation consulting firm, based in Summit, New Jersey, and focused on innovative, holistic solutions for today's result-oriented aviation decision makers. Our principals have at 10 Large Hubs nationally. Our experience includes strategic visioning, airport and terminal planning, design and construction, airline operations and financial feasibility studies. Our portfolio includes airport and terminal planning and design projects domestically and around the world, and on-call services at Denver, Dallas-Ft. Worth, and The Port Authority of New York & New Jersey.

GEOTECHNICAL ENGINEERING / MATERIALS TESTING

RADISE International, LC (RADISE) is a premier geotechnical and materials engineering and testing firm servicing a broad spectrum of industries, and specializing in geotechnical engineering, construction materials testing, and inspection services for over 22 years. RADISE has extensive experience providing professional engineering services throughout South Florida and has continuing Geotechnical Engineering Services and Material Testing contracts with Broward, Palm Beach and Miami Dade Counties, South Florida Water Management District, Florida Department of Transportation, The School Boards of Palm Beach, Broward and Miami Dade Counties, and the Cities of West Palm Beach, Lake Worth, Greenacres, Fort Lauderdale and Miami Beach.

LANDSCAPE ARCHITECTURE

Curtis + Rogers Design Studio was formed with the purpose of providing quality Landscape Architecture / Planning Services. The firm, founded in 1991 by Aida M. Curtis and Richard Rogers, and joined by partner Jennie Rogers in 2016; and by Mariana Boldu in 2017 as Director of Resilience Design represents over 150 years of Landscape Architectural experience. Commitment to producing quality projects and providing client satisfaction forms the foundation of our fine reputation.



B

PASTE XPERIENCE

→ LAN Airlines Cargo Hanger & Office Complex



Client/Owner:
Lan Airlines

Construction Cost: \$17 Million

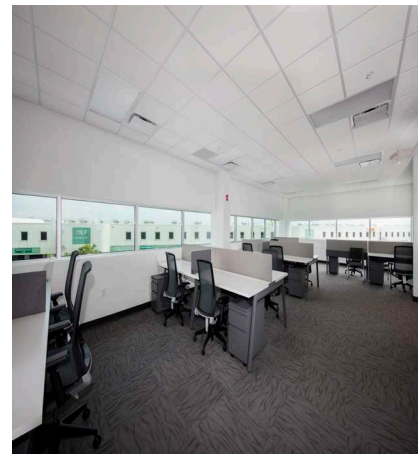
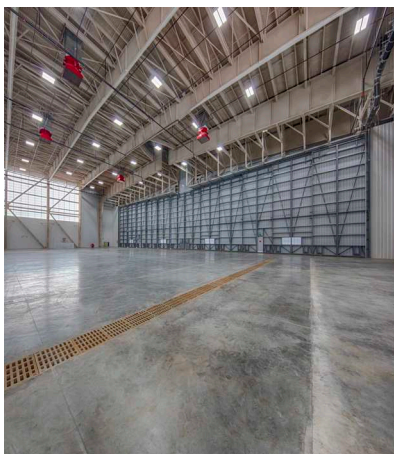
Completion: 08/2015

Project Highlights

-Airport Hanger

-Office Space

-Landside Office Space



LAN Airlines Cargo Hanger

This Design/ Build complex is the largest privately funded airport development in the history of Miami International Airport, with over 400,000 sqft of high bay air side cargo space and refrigerated coolers. In addition to the cargo space this building also houses a 4 story office building with over 50,000 sqft of office space.

This state of the art cargo complex establishes the dominance of LANCHILE and FineAir as the premier cargo handling carriers at Miami International Airport.



→ Miami International Airport South Terminal Development Supplemental Services

MAAA FA AAA



Client/Owner:
Miami Dade Aviation Department

Construction Cost: \$1.2 Billion

Completion: 03/2020

Relevant Project Highlights

- Airport Terminal
- Baggage Handling System
- Project Management
- Deesign Management
- Construction Management

Perez & Perez Architects Planners, Inc. was selected in 2004 to provide Supplemental Services supporting the Miami Dade Aviation Facilities Department in strategically providing an extension of staff and resources which managed the final design and construction administration of the South Terminal Expansion, Concourse J, and the Concourse H Internationalization programs during a 10 year timeline at MIA. Varying project delivery milestones were accomplished while minimizing the impact to ongoing airside operations at the existing facilities while interphasing new projects into full aviation service.



→ Concourse A+B Infill & Concourse C+D Infill Miami International Airport

PEREZ & PEREZ
ARCHITECTS PLANNERS

Client/Owner:

Miami Dade Aviation Department

Construction Cost: \$17 Million

Completion: 08/2015

Project Highlights

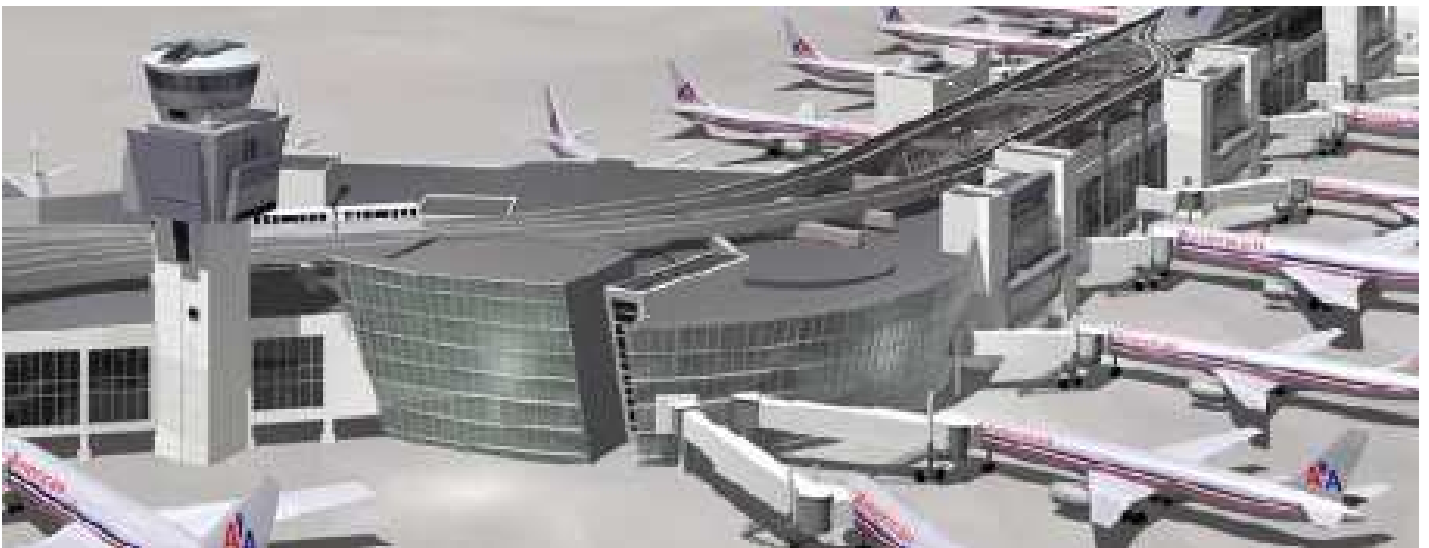
-Project Management

-Architectural Design & Construction Documents

-Wayfinding & Signage

Concourse A-D

Perez & Perez Architects Planners, Inc. has provided A/E services at Miami International Airport since its founding in 1984, and during its 35 year timeline at MIA has designed & supervised numerous airside facilities for MDAD, including the Concourses A+B Infill, and C+D Infill, as part of the North Terminal Development program.



→ Concourse D & H- Miami International Airport

MAA A FA AAA



Client/Owner:

Miami Dade Aviation Department

Construction Cost: \$140 Million

Completion: 12/2012

Project Highlights:

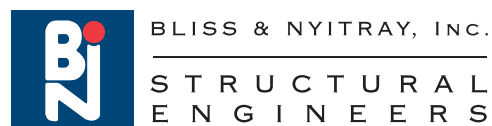
- Architectural Design
- Airport Concourse
- Construction Administration
- Construction Documentation
- Airport Way finding & Signage



AVIATION

Today's airports feature large open spaces splashed with natural light. Often roof structures become the 'art' of the building. But knowing how to make functional structural systems look beautiful is only half the challenge. What makes airport work truly interesting is the need to keep operations moving with minimal disturbance.

We've spent the last 25 years learning aviation's best practices at one of the nation's busiest airports. From cargo facilities and hangars to people mover systems and new terminal development, all designs were influenced based on how the facilities could be constructed without significant interruption of traffic flow.





BUILDING TRUST

Embass Air Hangar

Bermello Ajamil & Partners
Opa Locka Airport

Coming to Opa Locka Airport is this modern and complex hangar for Embassy Air. This hangar will service the private jet portion of Opa Locka Airport. The enclosed footprint of the hangar is 114,000 SF with the roof area being 155,000 SF split into two wings shaped like a "V".

BUILDING TRUST



Baggage Handling System

Corgan Associates Inc.
Palm Beach International Airport

As part of the airport improvement program, the Palm Beach County Department of Airports and TSA elected to build an automated in-line Checked Baggage Inspection System (CBIS) at Palm Beach International Airport to better support the airport's baggage handling operation and improve TSA operating efficiency through TSA's Recapitalization and Optimization Program.

BUILDING TRUST



Miami Intermodal Center – Rental Car Facility Customer Service Lobby

The Corgan Team
Turner-Austin Airport Team
Miami International Airport

The Custom Service Lobby (CSL) is a one story, 136,000-sf facility constructed on the fourth level of the Miami Intermodal Center Rental Car Facility. It houses rental car offices, rental counters, public amenities, mechanical spaces as well as general public spaces and a link to the future APM station.

BUILDING TRUST



(Terminal Wide People Mover System) Skyride

MC Harry & Associates
Miami International Airport



Phased extension of the Skyride system to other parts of the terminal. Extension from Concourse F to H, and Concourse D to C, Skybridge from Concourse H to Park Four, modification of bridge at Concourse C to meet Skyride; extension from Concourse C to B, Skybridge from Concourse B to Park Five; connectors over the terminal roof from the over-the-canopy connector to Concourses D and F, with vertical circulation modules at C, D, F, G and H (not built); enclosure and air conditioning of the original Skyride bridges to D and F; extension of Skyride walkways from the central tripod at the parking garages eastward along central boulevard with minor bridges to parking garages.

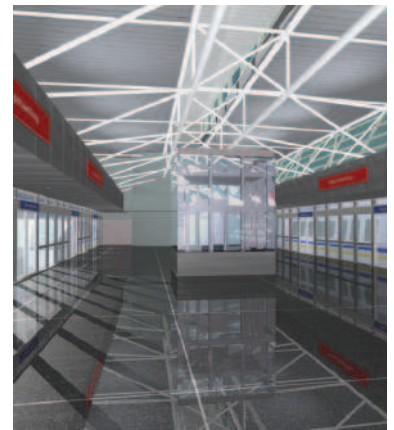
AWARDS

- Florida Institute of Consulting Engineers
 - Engineering Excellence, 1986
- American Institute of Steel Construction
 - Award of Merit, Bridge Competition, 1986



BUILDING TRUST

Skyride Automated People Mover Station - (Image Courtesy of Corgan)



North Terminal Development

The Corgan Team
Turner-Austin Airport Team
Miami International Airport

BNI is a member of the program management team for this 3.2 million SF, phased \$2 billion expansion and renovation project. As one of the busiest airports in the world, Miami International Airport (MIA) is the gateway to Latin America and the Caribbean. American Airlines operates over half of MIA's flights. The North Terminal Development was conceived to unify all of American's operations into a single 1.3-mile long super concourse.

American retained Corgan Associates, Inc. of Dallas, TX to execute the planning and programming of this facility, with BNI as lead structural engineer from master planning through advanced design development. Our services, which began in 1997, also include review of construction document packages prepared by the various A/E teams as well as review of construction. By completion, new 47 gates are created in 1.9 million SF of new construction and 1.3 million SF of renovation.

The building design combines new and existing structures into an integrated architectural expression. A four-station passenger train (Automated People Mover) rides above the 46' high building roof and is serviced in an integral maintenance yard that extends 90' above grade. The rhythm of the structure is expressed on both the facade and the concourse. The results of the wind tunnel testing simulated hurricane force loading are used in the design and placement of shear walls and lateral bracing that would maintain the openness of the interior.

Design and construction phasing is the greatest challenge. After the sequencing and phasing analysis, the NTD has been packaged and scheduled into 35 separate design and construction projects, some with multiple packages.



Concourse "F" Expansion and Modification

MC Harry & Associates
Miami International Airport

Construction of twelve new gate positions and major renovation of existing concourse to provide additional wide body aircraft service and international capacity.

This expansion project is a part of the MIA \$4.7 billion expansion. The existing 19-gate international airport terminal concourse is expanded and renovated through multiple construction packages.



Elevated heliport facility with two helipads connected to Skyride system. Miami International Airport's Skyport Terminal was programmed as the first stop in a network of heliports collectively operating as a regional commuter helicopter system serving Dade, Broward, Monroe and Palm Beach Counties. Paired with the Skyride Moving Sidewalk Bridge System, the Skyport/Skyride Project has become the premier airport inter-change among multiple modes of ground transportation, commuter air service and airline passenger circulation.

MIA has extremely limited land resources, and therefore its expansion opportunities are virtually limited to vertical stacking and overlay concepts. The 4,000 SF heliport terminal is comprised of an air conditioned check-in/arrivals-departure lounge and an open-air breezeway. The breezeway is linked to an upper level vestibule and the landing pad via an open stair, escalator, and a baggage/passenger lift. The arrivals/departure lounge is accessible from Garage Level 7 approximately 65' above grade. The lounge can also be accessed from two hydraulic elevators which link the Skyport with the Terminal Wide Moving Sidewalk System.

Skyport

MC Harry & Associates
Darin & Armstrong, Inc.
Miami International Airport

BUILDING TRUST



Hotel MIA Expansion and Renovation

Robert B. Browne Architects
Miami International Airport

Room, lobby and restaurant renovation, addition of meeting rooms, lounge, health club, racquetball court, swimming pool and scenic elevator on new eighth level, including extensive foundation underpinning and strengthening of existing columns.

AWARDS

Miami chapter American Institute of Architects
- Award of Excellence, 1992
Florida Institute of Consulting Engineers
- Engineering Excellence, Honor Award, 1991



159,000 SF cargo facility, rooftop parking for 241 cars, with vehicular ramp from ground level and automated cargo handling system.

Air Cargo Building N805

Belluschi Beame Architects

Odebrecht

Miami International Airport

FLL/Hollywood International Airport Terminal 4 *Eastern* Phase, Ft. Lauderdale, FL



The spacious facility has tall ceilings, terrazzo flooring, six new gates, new concessions, comfortable seating, modern restrooms and all the amenities for passengers to enjoy

The general scope of the project includes the expansion of the new concourse adding eight (8) gates, demolition of the existing Concourse H, reconfiguration of the Security Screening Check Point (SSCP) and construction of the Broward County Aviation Department (BCAD) offices. Completion of this multi-phased expansion will require close coordination with project stakeholders and contractors working

on adjacent projects for the new hydrant-fueling system and apron improvements, in order to ensure minimal impacts to airport operations and the traveling public throughout construction. *Hammond & Associates provided Mechanical, Electrical, Fire Protection.*

AT A GLANCE

Owner

Broward County, FL

Completion Date

2015 to Est. 2021

Firm Responsibility

- Mechanical
- Electrical
- Fire Protection

CLIENT CONTACT

Kari Botek, AIA
PGAL, Inc.
561.988.4002
kbotek@pgal.com

Construction Cost

\$128 Million

FLL/Hollywood International Airport Terminal 4 *Western* Phase, Ft. Lauderdale, FL



The new Concourse G will provide passengers with expanded food and shopping options – including an improved duty free offer — in about 34,000 square feet of concession space — 2,000 sqf more than what was in use.

The Terminal 4 modernisation at FLL includes expanding the terminal area from 60,000 ft to 490,000 ft with 30 ft ceilings. A glass-enclosed sterile corridor on the second level will separate international arriving passengers. The ongoing western phase will see improvements towards the western end of the terminal, next to the existing Concourse H. It includes development of a new Concourse G with 14 gates (four

new and ten from the adjoining Concourse H) for both international and domestic flights. *Hammond & Associates provided Mechanical, Electrical, Fire Protection.*

AT A GLANCE

Owner
Broward County, FL

Completion Date
2012 to 2019

Firm Responsibility

- Mechanical
- Electrical
- Fire Protection

CLIENT CONTACT
Jim Vallejo, AIA
PGAL, Inc.
561.988.4002
jvallejo@pgal.com

Construction Cost
\$450 Million

MIA Public Restrooms Modernization Terminal E, Miami-International Airport, Miami, FL



Concourse E is getting a make over that will give travelers a Miami Beach experience.

Hammond & Associates is providing Engineering Services to include Mechanical, Electrical, Plumbing, Fire Protection and Fire Alarm Design services to renovate (6) existing restrooms at Miami International Airport. Evaluate condition of existing HVAC Equipment currently serving the space to be renovated.

Services include:

- Preparation Mechanical, Electrical, Plumbing, Fire Protection demolition plans for the exhaust fans and ductwork being demolished.
- Prepare Mechanical Plans for the new exhaust fans and ductwork modifications to the existing
- duct in the space being renovated.
- Provide required Mechanical Details, Schedules, and Notes.

AT A GLANCE

Owner
Miami-Dade Aviation Department

Completion Date
2019 to Ongoing

- Firm Responsibility**
- Mechanical
 - Electrical
 - Fire Protection

CLIENT CONTACT
Mr. Eugenio Palenzuela,
AIA
Palenzuela & Hevia
Design Group
(305) 969-5001

Construction Cost
\$2 Million

Port Everglades Cruise Terminal 4,

Ft. Lauderdale, FL



This latest expansion effort is a direct result of the cruise industry's movement towards building larger ships.

Terminal 4 improvements include improved security screening for passengers and baggage, new check-in and passenger waiting areas, concourse improvements, new gangway system, improved ground transportation area and a longer berth amongst other improvements. The renovated terminal will allow for simultaneous embark and disembark. New exterior canopies are designed to provide shelter for passengers loading and unloading at curbside. Port Everglades will apply for Leadership

in Energy and Environmental Design (LEED) certification for the terminal due to the scheduled energy-efficient terminal improvements. *Hammond & Associates provided Mechanical, Electrical, Plumbing, & Fire Protection for the project*

AT A GLANCE

Owner

Broward County

Completion Date

2013 to 2018

Firm Responsibility

- Mechanical
- Electrical
- Plumbing
- Fire Protection

CLIENT CONTACT

Ulises Torres
BemelloAjamil & Parnters
954.878.3240
utorres@bermelloajamil.com

Construction Cost

\$18 Million



Jet Fuel Tank and Fire Protection Improvements
Ft. Lauderdale-Hollywood International Airport, Florida

Client Reference:

*Menzies Aviation
Ft Lauderdale-Hollywood
International Airport
P.O. Box 21017
Ft. Lauderdale, FL 33335-1017
Mr. Victor S. Torres
Fuel Facility M & O Manager
victor.storres@menziesaviation.
com
(954) 359-1152*

Start Date:

5/2015

Completion Date:

3/2017

Construction Cost:

\$3.8 Million USD

**Key Personnel Assigned to
the Project:**

*Michael K. Miller, PE
Mehmet Ulutas, PE
Enrique Sosa, PE
James Rosales, PE
Rodrick Tavares, EIT
Jose Anadon*

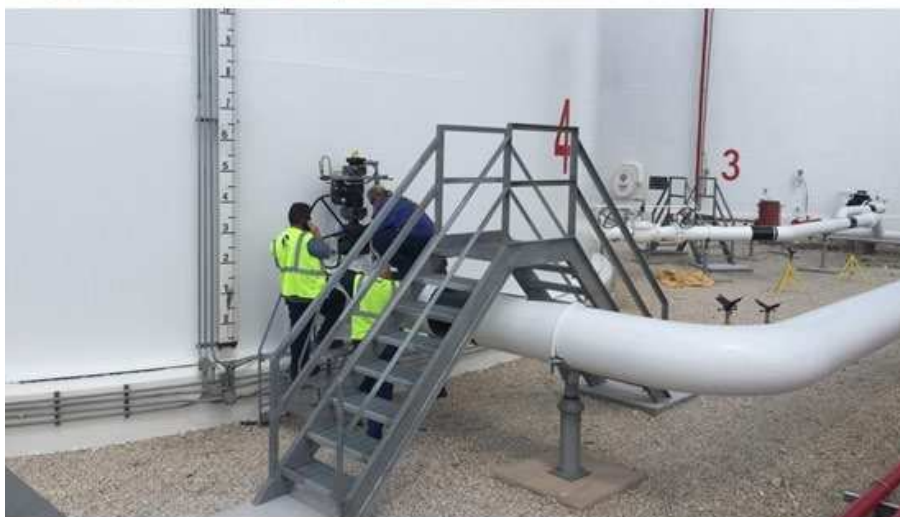
Project Features:

- 27,400 bbl. Tank
- Floating Suction
- Fill Diffuser
- Motor Operated Valves
- Foam Chamber
- Foam Storage Building
- Hydraulic FP Calculations

T.Y. International provided engineering services for the construction of a new 27,400 bbl. (70’ diameter by 40’ high) API 650 Welded Steel Tanks, for Oil Storage jet fuel storage tank and new fire protection piping to water/foam cannons. The services provided included preliminary and detailed design, geotechnical investigations, permit processing, bidding and contract award services and resident engineering services.

The work elements designed included the storage tank, jet fuel fill and supply piping, tank instrumentation, cathodic protection for tank bottom, tank ring wall foundation and new fire protection piping and fire department connections.

Tank was specified to meet all jet fuel service requirements per codes and standards including sloped floor to center sump, floating suction, inlet diffuser, tank gauge and level alarms including overfill protection, stripper and drain nozzles, 360-degree roof guard rail and interior epoxy coating system.



TYLIN INTERNATIONAL

Roadways – South Terminal Expansion Miami International Airport, Florida

Owner Reference:

*Miami-Dade Aviation
Department
Pedro Hernandez, PE
Division Director
MIA - P.O. Box
592075
Miami, FL 33159
305.876.7922*

Start Date:
1998

Completion Date:
Sept. 2007

Construction Cost:
\$360,000,000 (entire
program)

Project Features:

- *New Multi-level
Airport Terminal*
- *1,700,000 sf.*
- *Mechanical
Engineering (Fire
Protection and
Plumbing)*
- *Civil Engineering
(Airside/Landside)*
- *Coordination with
On-going Projects*

The firm provided design and construction phase services for the South Terminal Expansion Program at Miami International Airport (MIA). Totalling 1.7 million square feet, the new multi-level \$360M terminal is equivalent to a new midsize airport and represents the first major terminal expansion at MIA since the airport was built in the 1950s.

The firm was the engineer-of-record for the landside roadways adjacent to the South Terminal facility. The facility included the design curbside roadways the new South Bus Station; an 18-position bus station facility to serve the buses from the Port of Miami. The firm utilized computer generated bus movements to ensure adequate pavement area was available for bus maneuvering. The design included the preparation of an early package for an interim bus station which was utilized during the terminal building construction. The design also included removal and rerouting of existing utilities beneath the proposed terminal.

The airside civil scope of services of the work involved new aircraft parking aprons, full utility design to service the terminal building and a unique grading condition for a depressed lower level of in the baggage make-up area. The utility work involved demolition of existing service lines and creation of two replacement drainage lines that had to continue beneath the building between massive foundations. All site work was coordinated with three adjacent projects (terminal, airside, landside roadways) that were part of the overall South Terminal Program at MIA.





DFW INTERNATIONAL AIRPORT

MASTER PLANNING MASTER ARCHITECT



Between 2016 and 2018, the MAV-ADPi team explored a series of master plan options for creating a centralized mega-terminal complex for American Airlines, in configurations both mono-block and headhouse-satellite, radial and orthogonal, oriented north-south as well as east-west. The decentralized modular DFW is by necessity transformed and, in almost all cases, the new terminal complex bridges over the central spine.

Through MCA analysis, the options were narrowed from 8 to 3, then one option was selected for its functional efficiency at both master plan and terminal scales, its relative simplicity of construction, and its architectural potential for airport image and interior space. The finalist was developed to a preliminary design level to confirm the feasibility and appeal of a next-generation terminal for DFW.

The plan included a completely new BHS system with centralized bag-room and ICS link to existing terminals that significantly reduced bag connect times. The concept allowed to maximize airside capacity while integrating a compact next-gen terminal building with a one front door road access system connected to the existing international parkway.

In our view, this planning and design process fully demonstrates the qualities that are sought in the MPMA role: a search for solutions that considers the airport as whole, through a tight collaboration between master planners and architects and the technical support of experts in airport systems, operations and infrastructure.

■ PROJECT HIGHLIGHTS

- Short term development with long term vision
- MPMA role to deliver out-of-box and innovative solution
- Team direct understanding of the challenges, options and choices facing DFW
- Team direct understanding of the DFW physical plan, from its geometrically imposed physical limitations to the vast potential of the unused portions of the site
- We are intimately familiar with the context, issues and special circumstances that DFW operates

LOCATION

Dallas/Fort Worth, TX

SIZE

Five Terminals
Airfield 7 Runways
Capacity 70 Mpx

DURATION

2016 - 2018

ROLE

Master Terminal Study

CLIENT

DFW International
Airport
Mohamed Charkas,
VP of Planning
(972) 973-2245
mcharkas1@dfwairport.
com



DFW INTERNATIONAL AIRPRT

MASTER PLANNING MASTER ARCHITECT





JFK AIRPORT T8 CAPACITY ENHANCEMENT



The expanded One World terminal will establish a new benchmark for passenger experience and operational efficiency at JFK Airport and will provide AA, BA, and its One World tenant with a new home to be proud of for many years to come.

LOCATION

New York, USA

American Airlines had previously examined several options to complete the originally designed full build-out of Terminal 8, but in 2017 engaged MAv-ADPi to perform a comprehensive conceptual terminal planning and design study to determine the best course of action for the development of a One World Terminal in the near-term that can continue to grow in the long-term into a Mega Terminal capable of handling up to 35 million annual passengers.

SIZE

130,000 SF

DURATION

2017 - 2019

The configuration of the near-term development abandons the geometry of the original T8 area Masterplan in favor of a plan that would allow for the seamless integration of the extension on the entire north side of the airport – an important tenant of the Governor Vision Plan.

ROLE

Master Terminal Study

The revamped and expanded Headhouse will transform the passenger experience into something exceptional. The addition of Group V aircraft to fleet mix and the increase of international processing capacity are two major operational objectives to be realized. A strong emphasis on premium passenger handling, exceptional premium lounge facilities, and a reconfigured ATO hall are just some of the worldclass amenities being designed into the news Terminal 8.

CLIENT

Asmita Gharat,
Project Manager
Real Estate Facilities
American Airlines
asmita.gharat@aa.com
(929) 218-5192

■ PROJECT HIGHLIGHTS

- Integrating short-term development with long-term vision, in line with the Governor's vision by creating a landmark terminal building
- The expanded T8 design embodies the principle of operational unity and simplicity for all users: Passengers, Airlines, and Port Authority
- The expanded T8 design embodies the principle of operational efficiency: fluid and flexible aircraft operations, maximizes the use of gates and other assets, as well as efficient and a state-of-the-art BHS
- Expansion of an existing operational facility at one of the busiest airports in the USA
- Comprehensive airport systems engineering, including the BHS system.



JFK AIRPORT T8 CAPACITY ENHANCEMENT



MERCHANT AVIATION
A GROUP OF ADP COMPANY



ADP
INGÉNIERIE





EWR AIRPORT

LONG TERM REDEVELOPMENT & CUSTOMER EXPERIENCE SERVICES

Port Authority of NY&NJ sought a creative and innovative Aviation Planning Consultant to prepare a Strategic Vision Plan for the airport's 30-year passenger and cargo demand, while evaluating the life cycle and O&M costs to determine planning alternatives for the replacement of its aging infrastructure with new state-of-the-art terminals, new Automated People Mover (APM) system, landside facilities, consolidated cargo facility and other support facilities.

Merchant Aviation performed capacity analysis and gate efficiency analysis to right-size the new terminals 1 and 2, and then developed functional plan alternatives of the terminals. One challenge in the planning of the new facilities was the incorporation of the new AirTrain alignment that is currently being procured. MAV-ADPi and Lea+Elliott worked closely with the Port Authority to define phasing options and plans that would both meet the short term needs, while safeguarding a coherent and unified long-term vision.

Further to the new AirTrain integration studies, MAV-ADPi also provided consulting services to the Owner, so that explicit guidelines and requirements may be included within the procurement documents, to ensure a high-end end-to-end experience for the APM users. These services included assisting the New AirTrain Project Team with defining the best value drivers to deliver a world-class level of service, and providing an exhaustive benchmarking study on comparable systems worldwide, focusing on wayfinding and signage, conveying systems, on-board services, stations equipment, information media, brand management and outstanding architectural and cultural features.

The project entailed an initial audit phase of the existing conditions and a review of the project specifications. Thanks to a comprehensive end-to-end journey analysis, Merchant Aviation highlighted the particular amenities and measures to implement to ensure the future APM service be a world reference, helping the Port Authority tweaking the specifications of the system, its stations and connectors.



LOCATION

Newark, NJ

SIZE

Capacity 43 Mpax
 - Terminal A 11 Mpax
 - Terminal B 9 Mpax
 - Terminal C 23 Mpax
 Long Term Vision
 Capacity 55-85 Mpax

DURATION

2018 - 2020

ROLE

Master Planner &
 Architect Services
 Customer Experience
 Expert

CLIENT

PANY&NJ
 Catherine Cronin
 Program Director
 EWR Redevelopment
 (212) 435-8000
 ccronin@panynj.gov



EWR AIRPORT

LONG TERM REDEVELOPMENT &
CUSTOMER EXPERIENCE SERVICES



CDG INTERNATIONAL AIRPORT TERMINAL 2



The latest projects by ADP Ingénierie at CDG Terminal 2 maximize capacity, efficiency and comfort by unifying existing facilities with link buildings, consolidating process functions, and centralizing passenger amenities.

The development of the Terminal 2 complex at Charles de Gaulle Airport spans from the early 1980's to the present and is a showcase for the evolution of passenger terminal design, progressing from modular terminals with deck-level transporters, to piers, a linear concourse, and two bar-type satellites. A central transport station provides intra-airport APM, a suburban rail link to Paris and TGV connections to France and western Europe.

The eastern end of the complex – Concourses 2E and 2F – are primarily dedicated to Air France and Skyteam hub operations. The western end – the first to go into operation – is now undergoing extensive reconstruction. The latest projects – Liaisons 2A-2C and 2B-2D – maximize the efficiency of existing facilities by unifying existing terminals with link buildings containing consolidated security and passport controls and new retail centers.

Liaisons 2A-2C: In order to upgrade the passenger experience and facilitate operations, an airside junction building was created between Concourses 2A and 2C to unify the two facilities by consolidating operations and centralizing commercial areas. This reorganization puts passport and security controls in one location and enhances the flow of control processes, including One Stop Security (OSS) for transit passengers. The new retail center expands the commercial floor area by 2500 sqm. Capacity is 10 Mpax.

Liaison 2B-2D: This 10 Mpax extension and renovation project is a counterpart to the 2A-2C Liaison, with a new junction building centralizing security controls, departure retail and baggage claim at 3 different levels. Concourse 2B is in the process of complete rehabilitation, with an airside extension and replacement of the entire façade and all technical systems (MEP, ICT, BHS).

■ PROJECT HIGHLIGHTS

- A multi-project construction program in one terminal complex at the busiest airport hub in continental Europe
- Intricate construction phasing to ensure continuity of airport operations
- Comprehensive design process includes studies to ensure safety and security of construction site and aviation activities
- Renovation and expansion of an existing operational facility; insertion of new design concepts within existing framework
- Relocation, merging and expansion of functional areas to maximize efficiency
- Consolidation of security and passport controls
- Creation of new passenger amenities including full-service retail and F&B centers
- Despite constraints of existing structure, implementation of sustainable strategies for façade and mechanical systems to reduce energy consumption
- Process enhancement accompanied by new or upgraded special airport systems (BHS, ICT)

LOCATION

Paris, France

SIZE

2AC junction:
194,000 sq.ft.
(18,000 sq.m.)
2

BD junction + 2B
renovation: 646,000 sq.ft.
(60,000 sq.m.)

DURATION

2AC: 2009-2012
2BD: 2016– 2020

ROLE

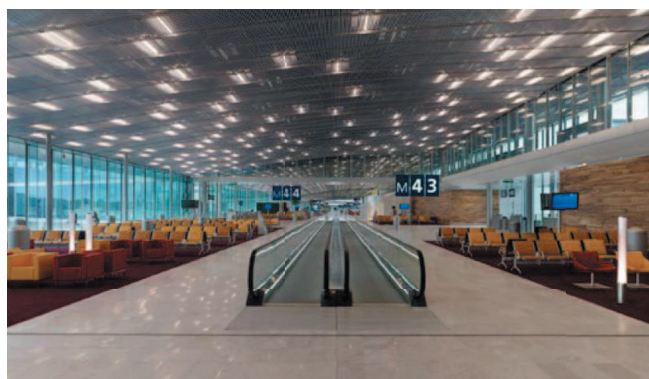
MAv-ADPi as
Airport Planning,
Architectural and
Engineering Design
Services,
Tender Assistance,
Construction Supervision

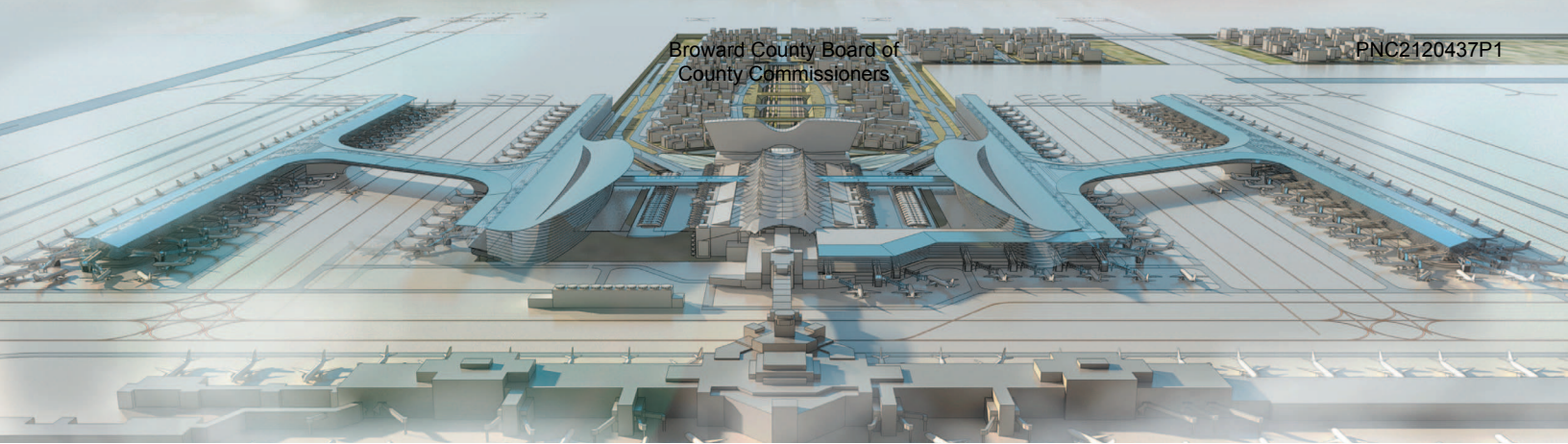
CLIENT

Thierry De Severac,
Engineering and
Development,
Director Groupe ADP
+33 1 48625690
thierry.deseverac@adp.fr



CDG INTERNATIONAL AIRPORT TERMINAL 2





DEN AIRPORT

ON-CALL AIRPORT PLANNING



MAV-ADPi has been retained by DEN planning and operations department to develop a long-term vision to meet growth and operations demands.

To address the specific challenges at DEN, MAV-ADPi is working with its usual partners TransSolutions, which has been involved at the airport for several years and Lea+Elliott, who designed the initial APM systems. MAV-ADPi have also partnered with a local landside/environmental planning team to develop land transportation options consistent with existing facilities and the wider road network.

The traffic increase and projected capacities at DEN require a new thinking and vision due to their magnitude. Beyond 100 Mpax, traditional automated transportation systems, passenger flows and baggage handling systems cannot cope with the magnitude of the flows. MAV-ADPi is able to rely on its large experience at mega hubs (Dubai, Hong Kong, the just opened Beijing Daxing airport) to imagine solutions meeting DEN capacity challenges.

■ PROJECT HIGHLIGHTS

- Short term development with long-term vision
- Evaluate the impacts on real estate surrounding the existing terminal for master plan options
- Conduct a thorough comparison / evaluation of the pros and cons of the new options focusing on key elements such as: disruptive vs. facilitated development, cost implications, efficiency, level of service
- Select the preferred development option
- Conduct the Final Program Definition
- Implement phasing strategy to maintain full operations during construction
- Expansion of an existing operational facility

LOCATION

Denver, CO

SIZE

Capacity 70Mpax Airfield
6 Runways Terminal
Complex Long Term
Vision
Airfield 12 Runways and
Capacity 160Mpax

DURATION

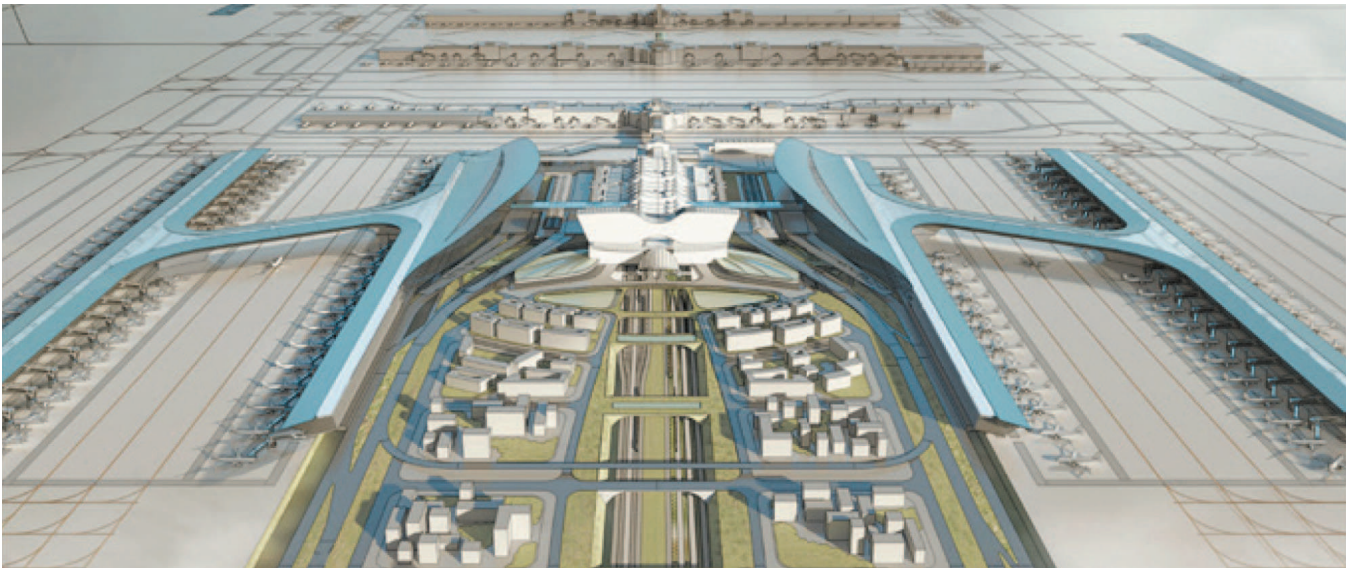
2019 On-going

ROLE

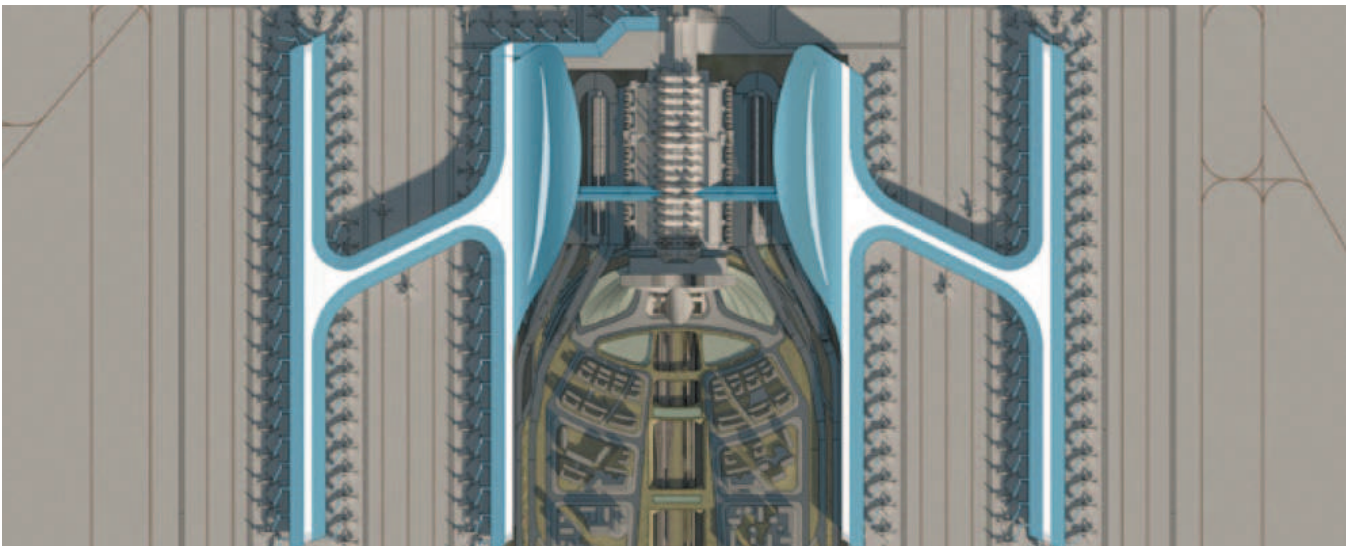
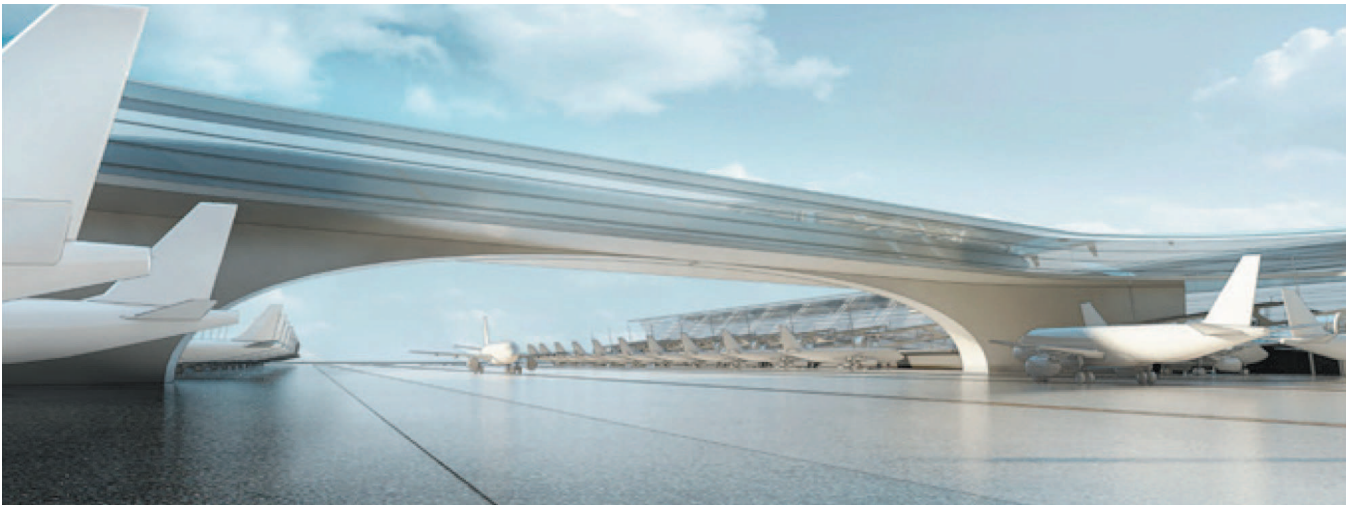
Master Plan and
Architect Master Plan

CLIENT

D. George Hohlacov
Director of Airport
Planning
Denver Airport Office:
+1 (303) 342-2988
Mobile:
+1 (303) 253-1624



DEN AIRPORT
ON-CALL AIRPORT PLANNING





ARTURO BENITEZ INTERNATIONAL AIRPORT SANTIAGO, CHILE



In February 2015, the Nuevo Pudahuel consortium (consisting of Aéroports de Paris, Vinci Airports and Astaldi) won the tender launched by the Chilean government for the concession and development of Arturo Merino Benítez International Airport in Santiago, one of the most dynamic regional hubs in Latin America. This comprehensive project consists of the refurbishment and expansion of existing facilities (Terminal 1 building and airport infrastructures) and the construction of a new Terminal 2 bringing the total capacity to 30 million annual passengers (Mpx).

As part of this assignment, Groupe ADP-MAv specialists develop 2 passenger simulation models: one for Terminal 1 refurbishment and one for the new Terminal 2 under design. The simulation models helped the Client to improve operational conditions and modify the terminal under design.

■ PROJECT HIGHLIGHTS

The Terminal 1 model integrated passenger process and identified bottlenecks. The model was then used to propose solutions to improve processes (including passenger check-in, customs, and security). The model allowed the team to:

- Assess terminal facility capacity and Level of Service
- Provide an efficient check-in allocation strategy
- Test alternative solutions and anticipated future congestion
- Increase operational quality for increasing traffic for each phase of the project construction, incorporating expected increases of traffic within the work area.

The Terminal 2 model allowed the team to critically assess the proposed design and to propose modifications to ensure the appropriate passenger Level of Service. Based on forecast 2025 traffic, the team was able to:

- Verify an adequacy of design according to the queuing time
- Validate the number of resources per passenger process
- Deliver an effective solution to complex operational issues

The team developed improvements to the project to meet with the operational requirements.

LOCATION

Santiago, Chile

SIZE

30Mpx

DURATION

2017 - 2018

COST

700,000,000 EUR

ROLE

Planning & Design

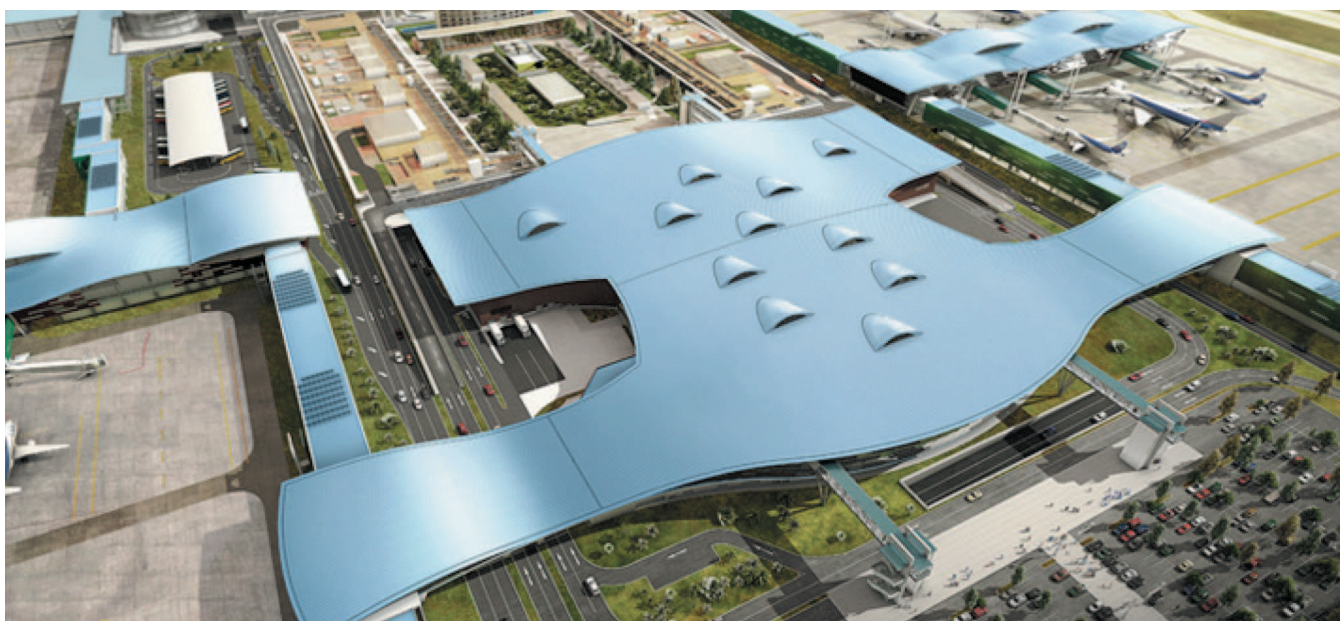
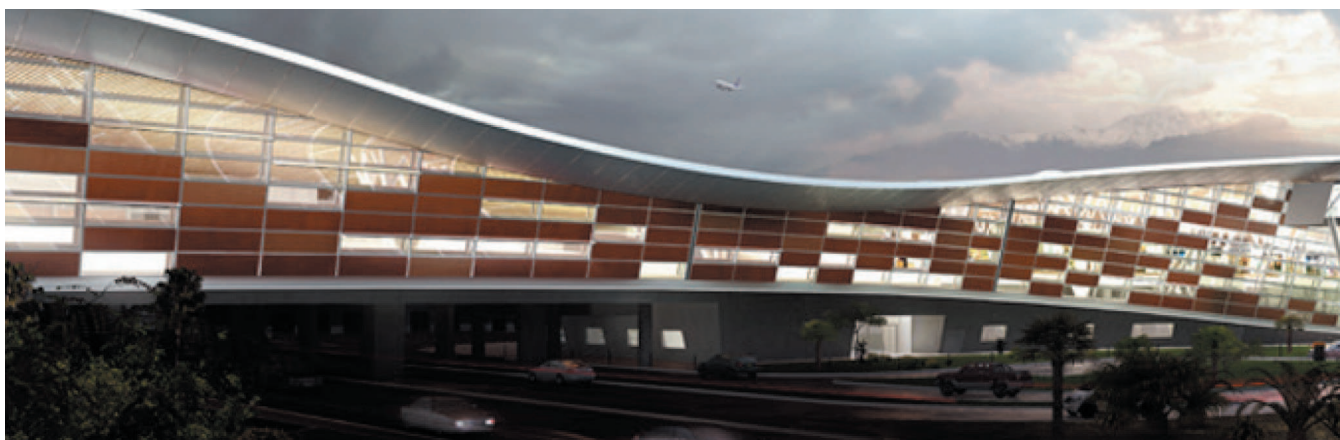
CLIENT

Christophe Ambroselli
Technical Director Vinci
Construction Grands
Projets
+56 942516250
christophe.ambroselli@
vinci-construction.com



ARTURO BENITEZ INTERNATIONAL AIRPORT

SANTIAGO, CHILE





CDG AIRPORT

BHS PROJECT MANAGEMENT, DESIGN & SUPERVISION



ADP awarded ADPI the project management, the design and supervision of extension and upgrade of Baggage Handling Systems for departing bags (originating and transfer) at Roissy CDG. These BHSs are considered as critical for the development of hub operations of the SKYTEAM Alliance as they will finalize the integration of all the systems of the hub, including Terminal 2E check-in and transfer with Terminal 2F.

LOCATION

Paris, France

SIZE

Capacity 30 Mpx

DURATION

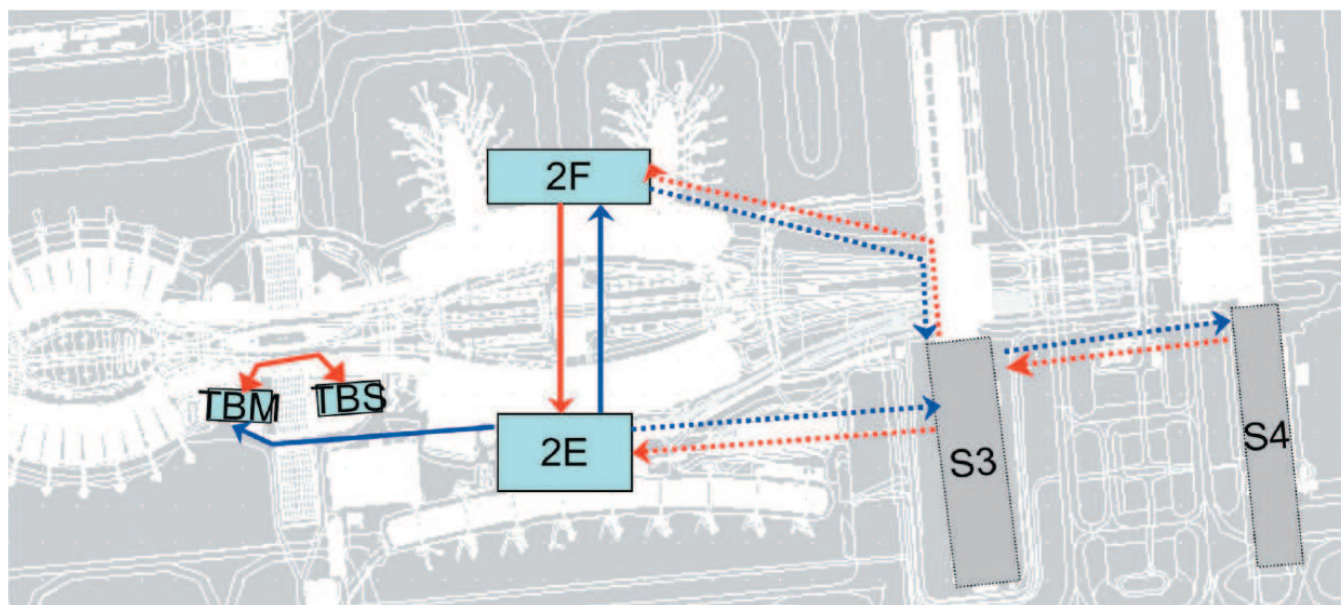
2001 - 2017

ROLE

Design and Supervision

PROJECT HIGHLIGHTS

- Construction of TDS3 (located under Concourse S3) and connection to Terminal 2E BHS.
- Upgrade to Std3 screening for TBM/2F/2E
- Modification of 2E and 2F to improve redundancy and efficiency (sorting, bypass...)
- Construction of new TBS4 and connection to TDS3



Project Reference: CDG Airport. BHS project management, design and supervision

DUBAI INTERNATIONAL AIRPORT EXTENSION PHASE III



ADPI provided concept design and supervision services for all the BHS refurbishment, including Simulation.

LOCATION

Dubai, UAE

The consultancy agreement also included detailed design review & approvals, project management, coordination with other projects & supervision services. ADPI provided technical assistance in design review and optimization: Traffic forecast review, planning and dimensioning of major process components, functional layout, BHS functional layout review.

DURATION

2012 - 2014

CLIENT

Dubai Aviation
Engineering Projects
François Marcade / Sr.
BHS Manager /
Francois.jean@daep.ae

PROJECT HIGHLIGHTS

- Inline Screening (Integration of provided HBS machine to integrate a 5 level procedure), Replacement of existing make-up carousel to provide additional make-up equipments – UPGRADE / MODERNISATION HALL D&C
- Upgrade of Departure System – Replacement of 212 Check-in Counters
- Replacement of 4 existing claim carousel by 2 larger carousels, Replacement of 8 Nos. offloading lateral to provide longer parking length
- Early Baggage Storage (additional 2000 Storage Location)
- Concourse 1 – BHS Upgrade
- Concourse 2 Backbone (Central Section incl. Master Sortation/Distribution)
- Concourse 2 – EBS Expansion (Additional 6500 storage location)
- Concourse 1 / Concourse 2 link (above ground) with capacity of 160 bags/min in both directions
- Concourse 3 Backbone connection and add. C3 East/West link



SHANGHAI PUDONG INTERNATIONAL AIRPORT SOUTH SATELLITE DESIGN REVIEW



After an international competition, Shanghai International Airport engaged in the design of a satellite building with a total capacity of 38 MAP. At the end of the concept stage a committee of experts recommended that the project should be analyzed and challenged by a third party airport expert, in order to ensure that the design was optimized in terms of surface, stands layout, passengers circulation and costs. ADPI was invited by ECADI the designer in charge to bring this expertise and to challenge and to optimize the project.

After analysis of the last trends and interviews with major airlines, ADPI proposed an update of the traffic forecast, international/domestic mix, transfer ratio and design hour traffics.

ADPI challenged the Airport strategy regarding airlines facilities allocation in view of optimizing the existing facilities use, minimizing additional facility requirements, passengers' flows and flexibility for future extension. After validation by the Airport of the proposed revision, ADPI offered an adjustment of the satellite layout within the same footprint which led to an optimization of the swinging gates, MARs position design, and an increased flexibility for future adaptation to traffic evolution. The major benefit was a reduction of 18% of the total built area for the same volume of traffic and service level.

ADPI provided technical assistance in design review and optimization: Traffic forecast review, planning and dimensioning of major process components, functional layout, BHS functional layout review.

LOCATION

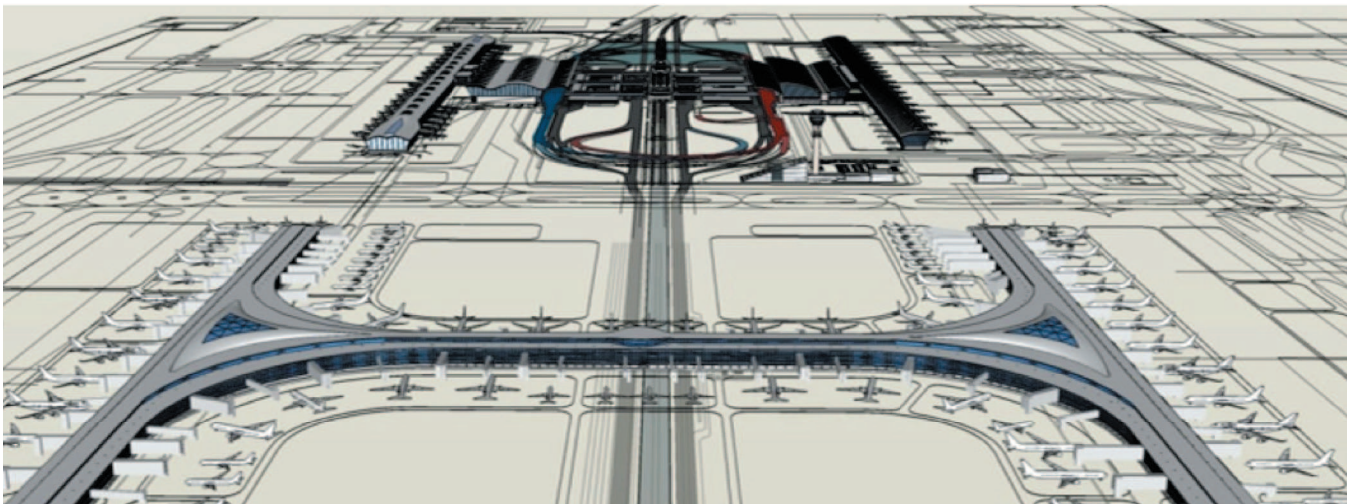
Shanghai, China

DURATION

09/2015 – 10/2015

CLIENT

Shanghai International
Airport
Zhengmin Dong,
Vice Chief engineer
dongzhengmin@sina.com
P: +86 136 0162 7131





PENSACOLA INTERNATIONAL AIRPORT PARKING STRUCTURE

Pensacola, Florida

WGI designed the 1,305-space parking structure at the Pensacola International Airport. The parking structure designed with horizontal expansion capabilities features a centrally located 45-foot wide lightwell providing natural light to lower parking levels and defining the pedestrian bridge. Connecting to the remote long-term parking area, the pedestrian bridge features decorative screening and roofing. The first level of the parking structure accommodates the airport's rental car operations.

PROJECT HIGHLIGHTS

- Designed with horizontal expansion capabilities
- Eight-bay parking structure features express ramps for entry and exit
- Two rectangular-shaped, open-air stair and elevator towers are located in the corners



REFERENCE:

Pensacola International Airport
A Department of the City of
Pensacola
2430 Airport Boulevard
Pensacola, Florida 32504
p. 850.436.5000

PROJECT DATES:

1998

DATA:

Levels 4
Spaces 1,305

STRUCTURAL SYSTEM:

Precast Concrete

PROJECT MANAGER:

Gary Cudney, PE

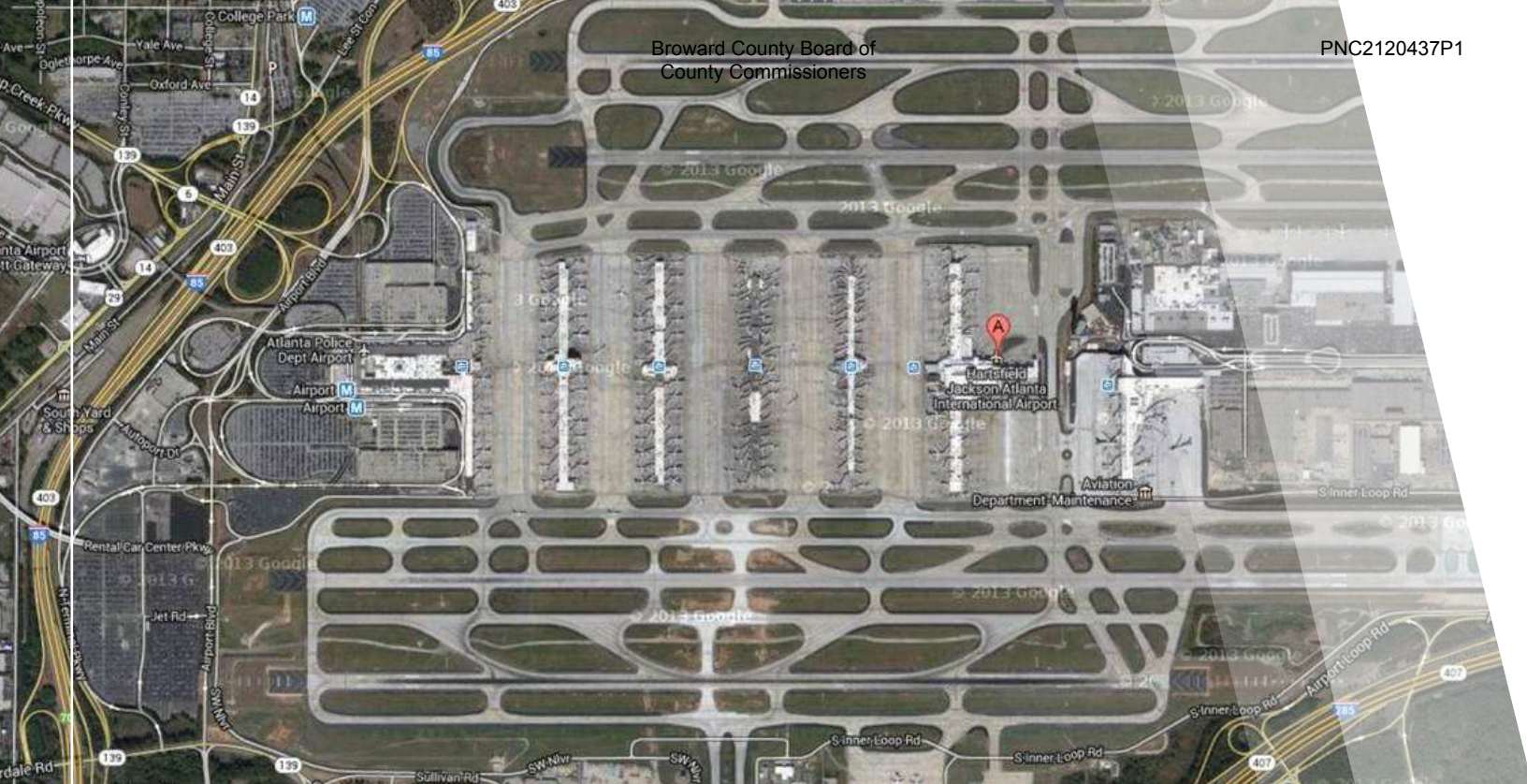
ROLE:

Parking Consultant
Structural Engineer

COST:

\$12.4M





HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

Atlanta, Georgia

Since the mid-1990's, WGI has provided ongoing parking consulting services at Hartsfield-Jackson Atlanta International Airport. Among other projects, our work at the airport includes:

- **Terminal T Expansion** - parking consulting and design services for the new North exit plaza associated with the expansion of Terminal T, including phased replacement of all PARCS equipment and incorporation of ride-share vehicles.
- **Parking Master Planning** - parking consulting, programming, and conceptual design of three new garages to replace the aging North and South Terminal garages and accommodate the projected 20-year growth, consisting of the 14,000-space garage in the West surface lot and replacement garages at the North Terminal (15,100 spaces) and South Terminal (17,200 spaces).
- **ATL West Parking Deck** - design/build criteria documents, including functional design and structural engineering, for the ATL West (remote) parking deck. The 6,400-space, cast-in-place post-tensioned concrete parking structure's design provides remote long-term public parking near the CONRAC and provides transportation to the terminals via the airport's people-mover system.
- **Operations RFP** - preparation of Request for Proposals documents for airport parking operations and shuttle bus services
- **International Terminal Parking Deck** - parking consulting, design, and structural peer review for the 2,600-space, precast concrete parking structure at the international terminal. Garage access is available by shuttle bus at the transit center, and a shuttle bus pick-up/drop-off area is incorporated into the garage design.
- **Hertz Garage** - strengthening, restoration, and vertical expansion design and construction administration services for the Hertz parking structure, located on airport property prior to its replacement with the CONRAC
- **Operations studies and consulting** to improve exit lane capacity and upgrade PARCS equipment.

REFERENCE:

Atlanta Hartsfield International Airport
Department of Aviation
Tom Nissalke, Asst. GM,
Planning and Development
P.O. Box 20509
Atlanta, Georgia 30320
p. 800.897.1910
e. tom.nissalke@atl.com

PROJECT DATES:

1996-Ongoing

DATA:

Spaces	6,400 (West remote)
	2,600 (Int'l Terminal)
	14,000 (West lot)
	13,300 (North)
	14,800 (South)

PROJECT MANAGER:

Rob McConnell, PE

ROLE:

Parking Consultant
Structural Engineer





ORLANDO INTERNATIONAL AIRPORT TAXIWAY REHABILITATION AND SAFETY ENHANCEMENT PROJECT

Orlando, Florida

As part of more than \$1.1B in airport construction through 2019, WGI is partnering with Middlesex Corporation and the Greater Orlando Aviation Authority (GOAA) on this taxiway rehabilitation and safety enhancement project at Orlando International Airport. Components of the project include full-depth milling and resurfacing of 12,000 feet of Taxiways E and J, airfield lighting and signage replacement, and operational safety improvements on Airside Areas 1 and 2.

WGI's services include terrestrial mobile LiDAR collection and imagery documentation of preconstruction conditions, earthwork modeling, field survey support of the construction operation, and as-built surveys using static terrestrial LiDAR.



REFERENCE:

Middlesex Construction
Damon Sallee, Project Manager
10801 Cosmonaut Boulevard
Orlando, Florida 32824
p. 407.206.0077
e. dsallee@middlesexco.com

DATE STARTED:

Survey December, 2017
Construction January, 2018

DATE COMPLETED:

Survey January 2018
Construction September 2018

DATA:

Levels 4
Spaces 4,800

PROJECT MANGER

Jason Alvarez, CST II

KEY STAFF:

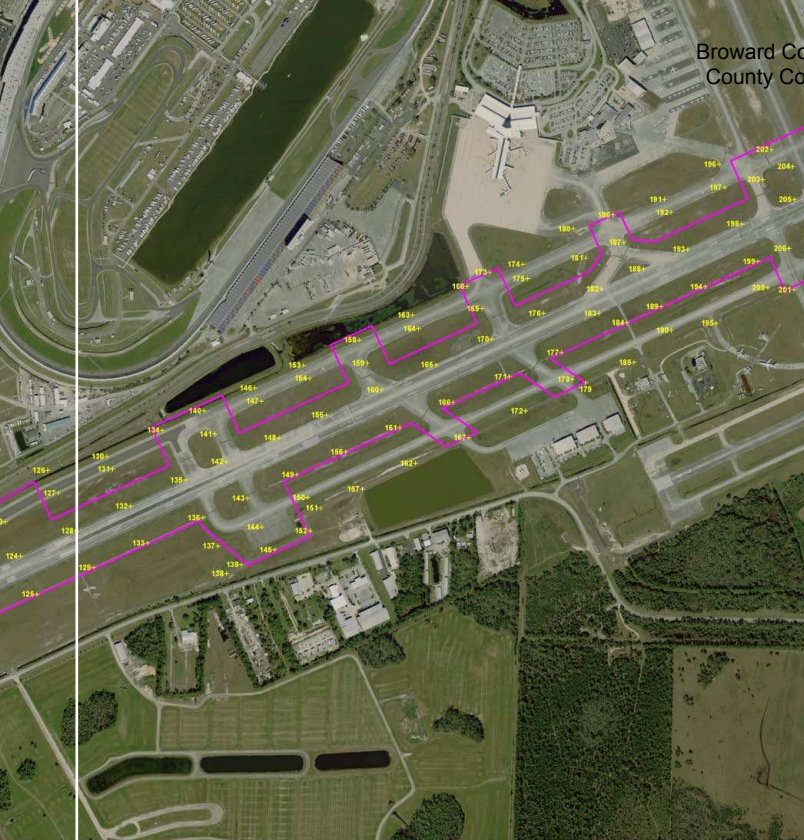
Joey Friend
Brennen Mosciski, CST I

ROLE

Terrestrial mobile LiDAR
Terrestrial static LiDAR
Imagery collection/documentation

COST

\$95K



DAYTONA BEACH INTERNATIONAL AIRPORT RUNWAY 7L / 25R REHABILITATION

Volusia County, Florida

WGI was contracted to establish 138 individual photogrammetric ground control points in pre-determined locations throughout the Daytona Beach International Airport 7L/25R Runway corridor prior to image acquisition. Each point was to be established in three-dimensional X, Y, and Z coordinates at the center of each aerial target and differential levels were utilized to provide third order vertical control on each target. This project was on a critical time schedule and needed to be completed at night while the runway was closed. The project was delivered within the guidelines of the the airport authority with excellent results.



REFERENCE:

Michael Baker Jr., Inc.
Robert K. Hambrecht, PE
Principal
Crescent Executive Court, Suite 200
Lake Mary, Florida 32746
p. 407.306.0200
f. 407.306.0460

DATE STARTED:

Survey October, 2009

DATE COMPLETED:

Survey October, 2009
Construction N/A

PROJECT MANAGER:

Jason Alvarez, CST II

KEY STAFF:

Christian Stewart, CST II

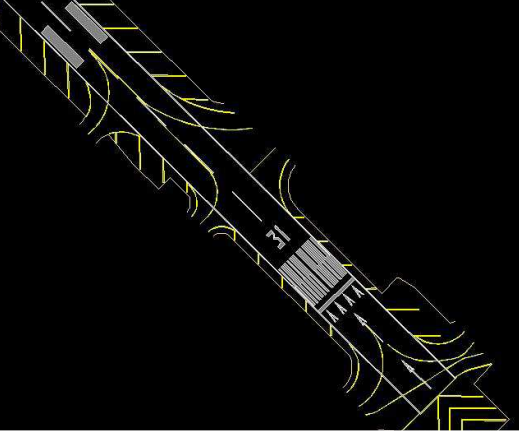
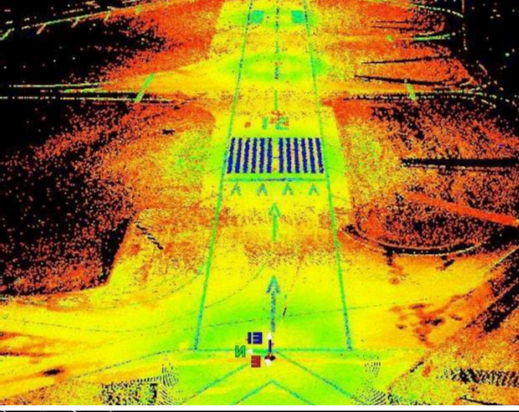
ROLE:

Survey
Photogrammetry

COST:

Design \$200K

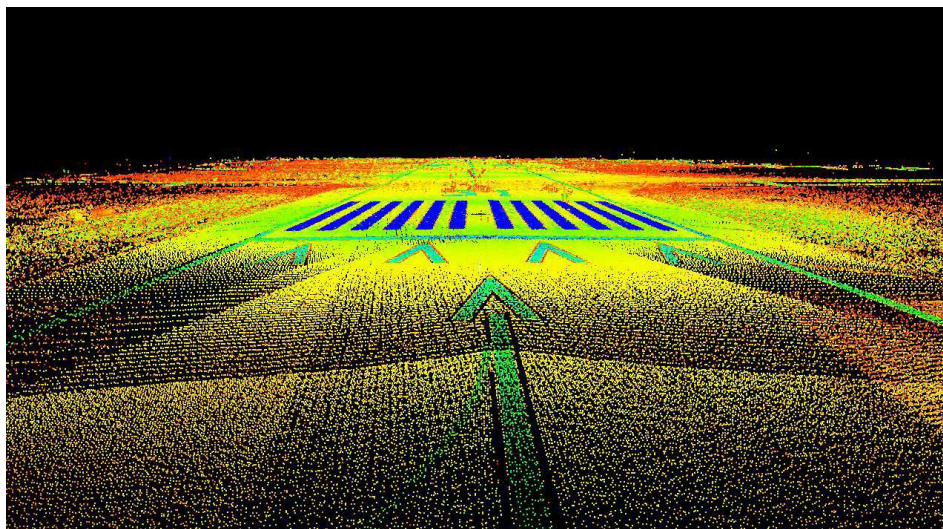




PALM BEACH INTERNATIONAL AIRPORT (PBJA) RUNWAY 13-31

Palm Beach County, Florida

WGI was contracted to provide High Definition Laser Scanning for Runway 13-31 at the Palm Beach International Airport to detect imperfections in the runway surface. A Digital Terrain Model of the scanned area was provided for use in the resurfacing calculations. Due to the high volume of airport traffic during daylight hours, the project was performed overnight for safety purposes. The operation required communication with air traffic control, as well as Homeland Security. The final deliverables included a detailed location survey that depicted all fixed improvements, cracks and depressed areas in the runway surface, as well as the existing striping on the runway.



REFERENCE:

Palm Beach International Airport
Subconsultant to: Brown
and Phillips, Inc.
John Phillips, PLS, Principal
1860 Old Okeechobee Road,
Suite 509
West Palm Beach, Florida 33409
p. 561.615.3988
f. 561.615.3986
e. john@brown-phillips.com

DATE STARTED:

Survey April, 2009
Construction N/A

DATE COMPLETED:

Survey April, 2009
Construction N/A

PROJECT MANAGER:

Jason Alvarez, CST II

KEY STAFF:

Christian Stewart, CST II

COST:

Survey \$4.5K
Construction N/A





PALM BEACH INTERNATIONAL AIRPORT (PBI)

Palm Beach County, Florida

Performed several topographic surveys for quantity calculations of the new construction area of Apron "A." WGI also calculated and staked numerous improvements in the vicinity of the new apron area as well as the new tower. Field crews made regular visits during the construction process to facilitate the underground and pavement construction crews. Upon completion asbuilt data was measured and certified asbuilts were submitted to the engineer of record and accepted by the governing municipality.



REFERENCE:

Ranger Construction Industries, Inc.
Rick Morris
101 Sansbury's Way
West Palm Beach, Florida 33411
p. 561.793.9400
f. 561.793.4332
e. r.morris@rangerconstruction.com

DATE STARTED:

Survey December, 2009

DATE COMPLETED:

Survey 2009

PROJECT MANAGER:

Jason Alvarez, CST II

KEY STAFF:

Paul Colburn, CST I
Gareth Santos

ROLE:

Surveyor
Photogrammetry

COST:

Survey \$25K





FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT

Fort Lauderdale, Florida

Parking Demand Forecast

The Fort Lauderdale-Hollywood International Airport has become one of the country's fastest growing airports, employing nearly 36,000 people with an annual economic impact of \$2.3 billion.

O'Brien-Kreitzberg, Inc. engaged WGI to develop a forecast of future parking demand for the airport based on expected changes in airline facilities and activity.

WGI performed an analysis of airport growth trends and their expected effect on parking demand based on statistical relationships between parking demand and passenger volume.

Passenger volume limitations related to the number of gates was considered, including potential changes in airline market shares and differences in gate-turn practices that could impact the effective terminal capacity.

REFERENCE:

AECOM
2 Oakwood Blvd #125
Hollywood, FL 33020
p. 954.474.3184

PROJECT DATES:

2000

ROLE:

Parking Consultant

PRINCIPAL IN CHARGE:

Gary Cudney, PE





JACKSONVILLE INTERNATIONAL AIRPORT

Jacksonville, Florida

Market and Parking Rate Analysis

WGI conducted a study providing pricing alternatives, evaluating those alternatives and offering specific recommendations for a strategy that would result in the greatest short-term and long-term benefits to the airport.

SCOPE OF SERVICES:

- Analyze off-airport competition that included competitive factors such as rates, service levels and amenities
- Focus on a significant new off-airport market entry
- Analyze the economics of off-airport operations
- Recap recent airport marketing efforts
- Compare and assess competitive factors utilized by the Airport versus competitive factors utilized by off-airport competitors
- Analyze transaction data from the parking revenue control system
- Analyze rate dynamics and their effect on rate elasticity
- Develop predictive models for analysis of the impact of changes in the parking rate structure
- Examine rates and rate structures at other Florida airports that were specified by the client

REFERENCE:

Jacksonville International Airport
Tiffany Gillem
PO Box 18018
Jacksonville, FL 32229
p. 904.741.3627

PROJECT DATES:

2003

ROLE:

Parking Consultant

PRINCIPAL IN CHARGE:

Gary Cudney, PE





ST. PETERSBURG - CLEARWATER INTERNATIONAL AIRPORT

Clearwater, Florida

Parking Operator Contract/Revenue Control Needs Analysis/Parking Lot Reconfiguration Design/Revenue Control System Design and Specifications

St. Petersburg-Clearwater International Airport is a joint civil-military airport and serves St. Petersburg, Clearwater and the surrounding Tampa Bay area.

WGI. was engaged to study the feasibility of implementing controlled/paid parking at St. Petersburg-Clearwater International Airport. After completion of the study, the airport successfully implemented paid parking with revenue production that has exceeded all of its initial expectations.

SCOPE OF SERVICES:

- Reconfigure the parking facilities to provide appropriate parking areas in conformance with post-9/11 security requirements
- Evaluate parking rates that would be appropriate for the introduction of paid parking
- Provide a comparison of parking rates in effect at other Florida airports of comparable size

REFERENCE:

St. Petersburg-Clearwater
International Airport
Jeff Noa
Terminal Building, Suite 221
Clearwater, FL 33762
p. 727.531.1451
e. jnoa@co.pinellas.fl.us

PROJECT DATES:

2001

ROLE:

Parking Consultant

PRINCIPAL IN CHARGE:

Gary Cudney, PE





FEURRING COMMERCIAL MUPD REMEDIATION

Palm Beach County, Florida

Our client wanted to convert this 5-acre former plant nursery and agricultural area into a Multiple Use Planned Development. In addition to the development of the commercial property, the project also required new access roads and reconfiguration of the stormwater ponds on offsite County-owned lands. From historical uses, the area had contamination of agrichemicals like arsenic and dieldrin, and two parcels had been previously closed with Declarations of Restrictive Covenant (DRCs), which prevented site development. WGI performed updated contamination testing, and to solve a soil balancing problem between the two parcels, developed an innovative soil management plan which allowed the soil to be moved from one parcel to the other despite having two different landowners. The drainage design included underground Contech storage trenches, which required analysis to verify the new stormwater management system would not spread existing groundwater contamination. WGI prepared an amendment to one of the DRCs to document the new stormwater management system. WGI conducted all site engineering and environmental work.

REFERENCE:

JDR Development, LLC
Jason Sher
2200 Butts Road, Suite 300,
Boca Raton, FL 33431
p. 561.488.5101
e. Jason@banyandev.com

DATE STARTED:

Design 2017
Construction 2019

DATE COMPLETED:

Design 2019
Construction 2020

PROJECT MANAGER:

John Abbott, PG, CEP

KEY STAFF:

John Abbott, PG, CEP
Rick Harman, CEP, PWS, AGTA

TOTAL COST:

Design \$31K





OFFICE OF REGIONAL COMMUNICATIONS AND TECHNOLOGY (ORCAT) TOWER

Broward County, Florida

WGI conducted an environmental due diligence assessment of the natural, cultural and historical resources for a planned Broward County radio communication, transmissions tower replacement project located within McTyre Park. The ORCAT tower replacement consisted of upgrading a guywire anchor-supported tower to a free-standing structure, the demolition of an equipment shelter in disrepair, and construction of a new equipment shelter to accommodate the new tower.

WGI provided supporting environmental documentation and recommendations to Broward County for the preparation of a Conservation Management Plan in accordance with Florida Rule. This included an assessment of land uses, wetlands, protected species, trees, contamination, and other natural and physical resources. Because the communication complex was over 50 years old, WGI also assessed the historical significance of the project site. WGI environmental scientists performed field investigations and found the site was utilized habitat by a state-threatened listed species of owl, the Florida burrowing owl (*Athene cunicularia floridana*). Given that protected owls were observed on-site, WGI scientists collected data using a sub-meter accuracy Global Positioning System (GPS) and mapped owl burrows using ArcMap GIS. WGI provided the County with recommendations based on the current Florida Fish and Wildlife Conservation Commission (FWC) guidance on avoidance and minimization measures for reference during the project planning and design phases to ensure compliance with the FWC species-specific permitting criteria.

The end user of the report stated, "This report is extremely thorough and exactly what we are looking for."

REFERENCE:

Broward County Board of County
Commissioners Public Works
Department - Real Property Section
Kevin Bokoske, MAI
Real Estate Due Diligence Officer
115 S Andrews Avenue, Room 501
Fort Lauderdale, FL 32399
p. 954.357.6808
e. KBOKOSKE@broward.org

DATE STARTED:

April 2020

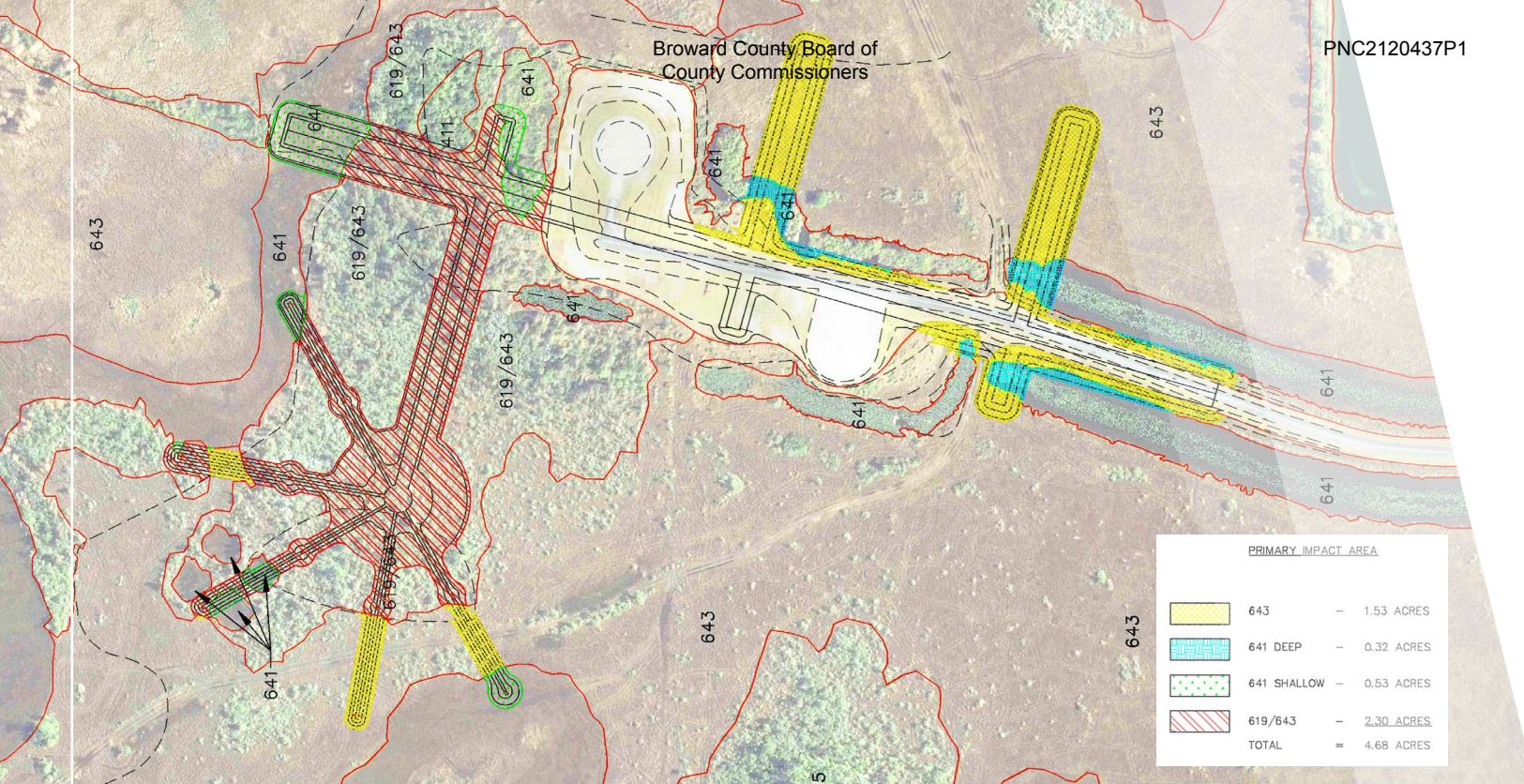
DATE COMPLETED:

May 2020

TOTAL COST:

Environmental Services: \$4.3K





WETLAND MITIGATION IDENTIFICATION AND PERMITTING SIKORSKY ADS - 33 TEST COURSE

Palm Beach County, Florida

The Sikorsky ADS-33 Test Course was a unique and challenging project that WGI followed through to completion over a period of almost two years. ADS-33 stands for Aeronautical Design Standard 33 which is an international standard for testing and evaluating the flight characteristics of rotary wing aircraft. The project consisted of a wetland delineation and assessment, listed species surveys, and state and federal permitting of a uniquely shaped slalom course for helicopters. Although the course location attempted to use existing uplands where possible, the majority of the property were high quality wetlands. Unique challenges were associated with the high security site including a project area that was outside of any nearby mitigation bank's federal Mitigation Service Area (MSA), the South Florida Water Management District's (SFWMD) conflicting interpretation of the types of habitat that could be mitigated for at a particular bank versus that bank's interpretation (i.e., legal interpretation of viable mitigation), as well as corporate and political constraints associated with the project itself and each particular mitigation scenario that was attempted (e.g., a Permittee Responsible Offsite Mitigation Area). Adding to the challenge of this project was the fact that a \$3.4 billion contract the client has with the Department of the Navy hinged on its success! Ultimately, just under 5 acres of state and federal wetland impacts were mitigated for and the project was permitted and constructed on schedule.

REFERENCE:

Mr. Donald Robb
Sikorsky - Project Manager
Facilities Global Integration
17900 Beeline Highway
Jupiter, FL 33478
p. 561.472.2691
e. donald.robb@sikorsky.com

DATE STARTED:

Permitting March 2013
Construction June 2014

DATE COMPLETED:

Permitting May 2014
Construction November 2014

TOTAL COST:

Design and Permitting
Services \$75K

PROJECT MANAGER:

Brian LaMotte, PE, LEED AP

KEY STAFF:

Greg Griffith,
Environmental Scientist





VALENCIA FALLS ARBORIST SERVICES

Palm Beach County, Florida

Serving as a consulting ISA Certified Arborist to assist the homeowners association (HOA) with street tree issues in this residential community, WGI provided an assessment of street trees, identified conflicts with HOA facilities (e.g., utilities, sidewalks, and road right-of-way), and provided recommendations for corrective actions. The species, size, condition, and proposed disposition of each street tree was identified and WGI supported meetings with the HOA and property owners for project coordination and approval.

The project required an understanding of site plan code requirements, utility line distribution, and tree biology to develop a plan of assessment that accurately identified problem trees and provided solutions that were feasible and resulted in a successful resolution.

The greatest challenge with the project was finding a solution that the entire HOA would accept. The HOA was evenly and deeply divided on the preservation or removal of the street trees. Many homeowners provided their opinions during the field work and at the support meetings. These opinions were integrated into the final report to make sure all homeowners' concerns and suggestions were considered.

REFERENCE:

Valencia Falls Homeowners Association, Inc.
Russ Gaglio
13375 Valencia Grand Boulevard,
Delray Beach, FL 33446
p. 561.637.9571
e. Russ.Gaglio@fsresidential.com

PROJECT DATES:

October 2019 - January 2020

TOTAL COST:

Design \$12.8K arborist services

PROJECT MANAGER:

Rick Harman, PWS, CEP

KEY STAFF:

Christa Cherry





PROJECT SUMMARY

Project Name:

Terminal 4 East Expansion at Fort Lauderdale-Hollywood International Airport

Owner: Broward County

Client: MCM LLC

Project Information:

Location: Broward County, FL

Dates: 2016 - 2017

Client Contact:

Mr. Charles Clarke

Airport Operations Manager

Phone: (305) 986-0526

The Terminal 4 East Expansion at Fort Lauderdale Airport Project located in Broward County, Florida, includes the construction of augercast piles for the foundation of the terminal expansion and gate improvements at terminal 4.



RADISE International provided field geotechnical engineering services as a subcontractor for MCM LLC for the first stage of the Terminal 4 expansion. Forthcoming phases will include the demolition of the existing building, and continuation of the augered cast-in-place piling installation to be executed the following year.

RADISE delivered geotechnical engineering services that included monitoring on a full-time basis, installation of 485, 16-inch and 14-inch diameter augered cast-in-place (ACIP) concrete piles. Furthermore, services included the monitoring and documentation of actual and theoretical grout volumes, recording final pile tip elevations, and completing a written inspection log for each pile. Installation data was summarized and submitted in our geotechnical report. Rebar inspections, piling installation monitoring and grout testing was conducted in compliance with ASTM standards and the project specifications.

RADISE also provided laboratory testing services to obtain compressive strength results of the grout specimens obtained in the field for 7, 14 and 28 days. For the grout testing, standard grout specimens (cubes) of 2 by 2 inches were cast to be tested by a RADISE International technician.

PROJECT ELEMENTS

- 485 ACIP Concrete Piles Installation

RADISE ROLES:

GEOTECHNICAL ENGINEER OF RECORD

- Augered Cast-In-Place (ACIP) Piling Inspection
- Pile Load Testing
- Production of ACIP Piles Installation Report

LABORATORY TESTING

- Compressive Strength Grout Testing for Daily Inspections
- Produce Laboratory Testing Results Addendum



PROJECT SUMMARY

Project Name:

**Ft. Lauderdale Airport Expansion-Runway 9R-27L/
Site Preparation & NAVAIDS Project**

Owner:

Broward County, Aviation Department

Client:

Odebrecht - OCJV

Project Information:

Location: Broward County, FL

Dates: May 2012–June 2014

This \$791 million project consisted of improvements to and expansion of the 9R-27L runway located at the Fort Lauderdale-Hollywood International Airport. RADISE provided Quality Control (QC) services 24 hours a day, 6 days a week. RADISE established an on-site certified laboratory, and had 10 construction inspectors and support personnel on this project.



RADISE's scope of work entailed soils testing for embankment, subgrade, base course and drainage components; concrete monitoring and testing; asphalt monitoring and testing; and vibro-compaction and vibration monitoring services.



Performed daily field testing of the embankment components and utility backfill soils. Coordinated the test program; made site visits and attended weekly progress meetings; and provided report preparation, review and submittals.

Also performed QC field and laboratory testing for concrete elements including acquiring samples, performing field tests, performing tests at RADISE's lab including unconfined compressive strength (UCS) and beam tensile strength, storing the samples and documenting and reporting test results twice a week.

Provided CTQP certified technicians to monitor the temperature of the hot-mix asphalt and performed in-place density tests along the compacted asphalt layer to ensure that the specified density was achieved. Also performed asphalt cores and provided the associated reports. Services included the evaluation of ground vibration effects resulting from the ground improvement work so as to not impact adjacent existing buildings.

PROJECT ELEMENTS

- Expansion of the 9R-27L Runway
- Runway, 6000 feet long
- MSE Walls, 65 feet high
- Earthen Ramps, 50 feet high
- Approximately 140 Production Days/Nights for Sampling and Field Testing of the Earthwork Components



RADISE ROLE:

CONSTRUCTION MATERIALS TESTING

- Construction QC Testing Services
- CEI Instrumentation
- Field Permeability Tests
- Laboratory Tests - Gradational Analysis, Moisture and Organic Content Tests, Atterberg Limits, Proctors, CBRs, UCS, Concrete Beams
- Field Testing and Inspection of Concrete and Asphalt
- Concrete Casting Yard and Asphalt Plant Inspection
- Soil Design Parameters for Slope Stabilization
- Vibration Monitoring Consulting



The Central Station at the Miami Intermodal Center (MIC) is a facility combining a station for Amtrak and another one for buses. It is adjacent to, and integrated with, the MIC station of the proposed MIC Earlington extension of Metrorail, the proposed light rail connection to Miami International Airport and Miami International Airport's Consolidated Rental Car Facility. In addition to the rail station and bus station the project provides a major pedestrian system of walkways connecting all the related facilities and a public plaza for patrons of the multiple facilities.



MIC-Earlington Heights Connector



Curtis + Rogers Design Studio, Inc. served as Landscape Architects for the winning submission for the development of a transit oriented project at the Metrorail Douglas Road Station. The central site feature of this transit oriented mixed use development is the public plaza linking the development and community with the Metrorail. The new escalator for arriving and departing Metrorail riders touches the plaza at the center of the concentric rings of the plaza paving. The “pebble dropped in the water” ripples, both direct the arriving riders to the diverse community and direct the community to the station. The radical and concentric circle paving will be constructed of black, gray and white concrete unit pavers. The south edge of the plaza visually opens to US 1 and features a low water feature serving as a functional barrier directing the pedestrian traffic to the overhead bridge or crosswalk at Douglas Road for safe access across US 1. The development exteriors will be furnished with contemporary furnishings seating, trash collection, bicycle racks, and lighting as well as being equipped with wireless internet connectivity and integrated sound system.



The new Consolidated Rental Car Facility in Fort Lauderdale/Hollywood International Airport is unlike any parking structure you have ever seen. Three types of glass, space frames, louvered skin, light portals, stainless steel, concrete sentinel towers, and a four-story atrium enclose 9,000 cars and accommodate 2,000,000 visitors per year-with economy, clarity of purpose, and ease of use. C+R provided Landscape Design, Construction Documents and Construction Administration for the site. Design services included planting, materials selection, conceptual grading and irrigation.

B

CBEP ARTICIPATION



LETTER OF INTENT BETWEEN BIDDER/OFFEROR AND COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

Solicitation No.: PNC2120437P1

Project Title: Professional Consulting Services for FLL & HWO Airports, Building Projects

Bidder/Offeror Name: Perez & Perez Architects Planners

Address: 2121 S Douglas Rd City: Miami State: FL Zip: 33145

Authorized Representative: Daniel Perez-Zarraga Phone: 305-444-4545

CBE Firm/Supplier Name: Hammond & Associates, Inc.

Address: 499 NW 70th Avenue, Suite 201 City: Plantation, State: FL Zip: 33317

Authorized Representative: Eric J. Hammond, PE, President Phone: (954) 327-7111

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

Work to be performed by CBE Firm

Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
MEP Engineering, Fire Protection, LEED			25.00 %
			%
			%

AFFIRMATION: I hereby affirm that the information above is true and correct.

CBE Firm/Supplier Authorized Representative

Signature: Title: President Date: 03/30/2021

Bidder/Offeror Authorized Representative

Signature: Title: Principal Date: 04/05/2021

¹ Visit Census.gov and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

² To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.



LETTER OF INTENT BETWEEN BIDDER/OFFEROR AND COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

Solicitation No.: PNC2120437P1

Project Title: Professional Consulting Services for FLL & HWO Airports, Building Projects

Bidder/Offeror Name: Perez & Perez Architects Planners

Address: 2121 S Douglas Rd City: Miami State: FL Zip: 33145

Authorized Representative: Daniel Perez-Zarraga Phone: 305-444-4545

CBE Firm/Supplier Name: Curtis + Rogers Design Studio, Inc.

Address: 3440 Hollywood Blvd., Suite 415 City: Hollywood State: FL Zip: 33021

Authorized Representative: Aida M. Curtis Phone: 305 442 1774

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

Work to be performed by CBE Firm


Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
Landscape Architecture	541320	N/A	5.00 %
			%
			%

AFFIRMATION: I hereby affirm that the information above is true and correct.

CBE Firm/Supplier Authorized Representative

Signature:  Title: Principal Date: 04/01/2021

Bidder/Offeror Authorized Representative

Signature:  Title: Principal Date: 04/05/2021

¹ Visit Census.gov and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

² To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.



PROJECTTEAM



ORGANIZATIONAL CHART

PRIME

Perez & Perez Architects Planners Inc.

ARCHITECTURAL DESIGN
INTERIOR DESIGN/ COST ESTIMATE

- Daniel Perez-Zarraga
- Jaime Cruanyas
- Jaime Ruiz



T.Y. Lin International, Inc.
CIVIL ENGINEERING
TRANSPORTATION ENGINEERING
INSPECTION SERVICES



- Michael K Miller
- Mehmet Y. Ulutas
- Adolfo Canal
- Caroline Herman
- Meghan Capuano
- Adriano Foti
- Colin Henderson

Hammond & Associates, Inc. CBE
MEP FP DATA ENGINEERING
LIGHTING SYSTEMS, LEED



- Eric J Hammond
- Stephen Farquharson
- Dolald Dixon

Curtis + Rogers Design Studio CBE
LANDSCAPE ARCHITECTURE



- Aida M. Curtis
- Jennie Rogers
- Rafael Ferrer

Bliss & Nyitray, Inc.
STRUCTURAL ENGINEERING



- William Caycedo

Merchant Aviation
FEASIBILITY ASSESSMENT/
AVIATION PLANNING



- Kiran Merchant
- Paul Fernandez
- Ahmed Soua
- Jerome Lamour

WGI, Inc.
SURVEYING/ MAPPING/ ENVIRONMENTAL
PROTECTION/ SUE/ PARKING/ BIM



- Robert McConnell
- John Abbott
- Amanda Montgomery
- Eric Matthews
- Radoslaw Grabowski

RADISE International, L.C
GEO TECHNICAL ENGINEERING/
MATERIALS TESTING



- Tom Mullin
- Andrew Nixon
- Akash Bisoon

C RESUMES



Daniel Perez-Zarraga, AIA

PRINCIPAL

Perez & Perez Architects Planners, Inc.

Education

Bachelor of Design University of Florida 1975
Master of Arts in Architecture University of Florida 1977

Registration/Certification

Architect, State of Florida
Registration No. 8130
NCARB Certificate #26469

Professional Affiliations

American Institute of Architects
Society of Registered Architects

Aviation Design & Planning Experience for past 37 years with Passenger Terminal, Cargo Terminals, and MRO/Maintenance facilities in South Florida, the USA & Latin America

PEREZ & PEREZ ARCHITECTS PLANNERS

PROFILE - Mr. Perez-Zarraga has led interdisciplinary teams in the planning, design, construction documentation, and construction administration of many airport and related facilities including landside and airside development. These have included the construction of over 1025,000 SF of passenger concourses, 400,000 SF of terminal facilities, and over 1 million SF of Air Cargo facilities including the AA Control Communications Center at MIA. Through these, he has become technically proficient in the planning and coordination of aviation systems such as 400Hz, fueling systems, preconditioned air, potable water, baggage handling equipment, moving sidewalks, and communications systems such as CUTE, FIDS and BIDS.

At South Florida Airports he has designed a total of 51 gates, and overseen the placement of over 222,000 SF of aircraft apron. In addition, his terminal work has included development of airline ticket offices and ticket counters, VIP clubs, security facilities, crew base facilities, car rental facilities and commuter aircraft facilities. He has provided space planning and seating layouts for over 9,000 seated passengers and developed directional and informational signage packages including LED, LCD, and UNEX systems.

PROJECT EXPERIENCE

- South Terminal Supplemental Services
Miami International Airport
Principal/Principal Architect

The South Terminal complex includes the passenger Terminal H which was designed by Perez & Perez. The South Terminal serves a capacity averaging a flow of 16 million passengers annually. The South Terminal has a total of 32 boarding gates of international and domestic use, and provides services to airlines such as LAN, Avianca, Air France, Bahamasair, Delta, and USAir. As part of this project, the existing Terminal H was modernized to be integrated as part of the overall design of complex coordinating design cohesiveness with the newer expansions, Perez and Perez also provided the design for interior areas of the Terminal J including VIP lounge areas and Office Centers. P&P provided the Program Management Supplemental Services for Miami Dade County Aviation Department, which included project management, design management, design coordination, construction coordination, construction administration, and document and change management control for the project.

- Global Express Airlines
Ft Lauderdale International Airport, FL
Principal/Principal Architect

The GLOBAL Express Air Lines Air Hangar/Office/Flight Simulator/Pilot Training Complex at FLL International Airport, will be developed as state-of-the art maintenance and operations center with the latest aviation aesthetic design concepts, and complying with the most advanced safety and maintenance innovations servicing a new generation of Airbus 320, and Airbus 330 aircraft.

The 54,920 SF hangar facility, built with free span maintenance bays, with full ramp access via 45 foot high hydraulic hangar doors with a specially designed tail section housing, and an exterior built with insulated metal panels, and daylight illuminated Kallwall exterior panels; will provide an enviable workspace for the maintenance operations, supported by 24,240 SF of offices, training rooms, aviation parts storage & warehousing for the efficient maintenance of the EAL fleet.

- **Concourse A-B Infill Shell & Interior Finish-Out**
Miami International Airport
Principal/Principal Architect
Miami International Airport Part of the American Airlines North Terminal Development. Perez & Perez Architects, in association with Leo A Daly, Miami, is providing final design and construction phase services of approx. 700,000 sf from the ramp through the 5th level of the previously constructed A-B infill and 85 feet of new construction and the alignment of a people mover system.
- **Concourse H Phase 2 & Headhouse**
Miami International Airport, Miami, Florida
Principal/Principal Architect
17-gate passenger concourse developed in multiple phases whose program elements included departure lounges, ramp operations areas, a VIP lounge, a moving sidewalk system at the arrival level. The International Modifications involves the construction of a new 3-level 20,000 SF concourse facility.
- **Concourse D Extension / Concourse D-Link**
Miami International Airport, Miami, Florida
Principal/Principal Architect
A two-phase construction program, Concourse D extension/D Link has added 18 gates of which 14 are designated domestic gates. The first phase provided a 10-gate concourse & satellite facility with international capability, which would ultimately be linked with the second phase providing the infill linkage to the MIA main terminal.
- **STT CEKA New Vision Cyril E. King International**
St. Thomas, U.S. Virgin Islands
Architect/ Principal-in-Charge
This project required the development of an expansion master plan to incorporate new CBP/TSA Standards and reconfigure and remodel of the entire Airport facility to accommodate 12 new gates and corresponding passenger holding rooms.
- **Terminal DEFGH Wrap**
Miami International Airport, Miami, Florida
Principal/Principal Architect
Miami International Airport Project architect for Package C, involves a major expansion to the present terminal configuration. Over 800,000 SF expansion of the existing terminal to a four-story building. Approximately 600,000 SF reconstruction of adjacent areas will involve upgraded access and services for passengers as well as the expansion of the FIS Facilities.
- **STT CEKA Purchasing & Air Cargo Buildings**
St. Thomas, U.S. Virgin Islands
Architect/ Principal-in-Charge
Provided Field Investigation, Building Condition Evaluation & Damage Assessment Report, Verification of Operational Condition Preparation of Assessment Reports and Drawing Documentation for 35 Virgin Island Port Authority (VIPA) buildings damaged during the 2017 hurricane season.
- **Air Cargo Development Project**
El Dorado International Airport Bogota, Colombia
Principal/Principal Architect
The New Air Cargo Development project at el Dorado International airport consists of a new state of art 112,000 m² air cargo terminal complex, with a 7,000 m² office building, a 52,000 m² multi-tenant cargo operations center, customer service units, truck staging/queuing area, quarantine building, cargo consolidation areas, multiple airside ramps for wide body code D, E cargo aircraft, security control access, taxiway pavement, landside roads and secured parking areas and the renovation of over 21,000 m² of existing facilities. Perez and Perez Provided full design services for this project and have been actively involved during the all construction phases of this project, including the renovation of the previously existing terminal.
- **Concourse C-D Infill and D Extension**
Miami International Airport, Florida
Principal/Principal Architect
Part of the American Airlines North Terminal Development at MIA, this project involves the final design and construction phase services of approx. 950,000 sf on the ramp through the 5th level of the previously constructed C-D infill and D-Extension shell structures. Also included are the existing Concourse D, 2nd and 3rd levels.



Jaime Cruanyas, AIA

PROJECTMANAGER

Perez & Perez Architects Planners, Inc.

EAAAA

Bachelor of Architecture 1978,
University of Miami
Associates in Arts 1975,
Miami Dade College,

RAAA AA CA tification

Architect, State of Florida Registration
#0015486
NCARB-Certificate #48092

PrA essional Affiliations

American Institute of Architects

Aviation Design & Planning Experience for past 25 years with Passenger Terminal, Cargo Terminals, and MRO/Maintenance facilities at MIA, the USA & Latin America.

PEREZ & PEREZ ARCHITECTS PLANNERS

PROFILE Mr. Cruanyas has worked closely with P&P Principals on various institutional facilities including the construction of various large-scale projects throughout Miami Dade County such as Miami Dade Children's Courthouse, passenger terminals at Miami International Airport, and all tenant work with American Airlines including the AA Communications Center at MIA. He has been the Project Architect for a variety of renovation, refurbishing and new construction projects.

PROJECT EXPERIENCE

- **ConAourAC -D Infill anADE xtAA**
Miami International Airport, Florida
PrAAAA AAAAA
Part of the American Airlines North Terminal Development at MIA, this project involves the final design and construction phase services of approx. 950,000 sf on the ramp through the 5th level of the previously constructed C-D infill and D-Extension shell structures. Also included are the existing Concourse D, 2nd and 3rd levels.
- **ConAourAA -B Infill ShAAAAI A AF AAA O**
Miami International Airport
PrAAAA AAAAA
Miami International Airport Part of the American Airlines North Terminal Development. Perez & Perez Architects, in association with Leo A Daly, Miami, is providing final design and construction phase services of approx. 700,000 sf from the ramp through the 5th level of the previously constructed A-B infill and 85 feet of new construction and the alignment of a people mover system.
- **ConAourAHPAAAHA AAAouse Modifications**
Miami International Airport, Miami, Florida
PrAAAA AAAAA
17-gate passenger concourse developed in multiple phases whose program elements included departure lounges, ramp operations areas, a VIP lounge, a moving sidewalk system at the arrival level.

● AAC A ADA LAA AP rAAAt

El Dorado International Airport Bogota, Colombia

PrAAAA AAAAAAt

The New Air Cargo Development project at el Dorado International airport consists of a new state of art 112,000 m² air cargo terminal complex, with a 7,000 m² office building, a 52,000 m² multi-tenant cargo operations center, customer service units, truck staging/queuing area, quarantine building, cargo consolidation areas, multiple airside ramps for wide body code D, E cargo aircraft, security control access, taxiway pavement, landside roads and secured parking areas and the renovation of over 21,000 m² of existing facilities. Perez and Perez Provided full design services for this project and have been actively involved during the construction phases of this project, including the renovation of the previously existing terminal.

● STTCEK ANAV AAC AAK A AI A AAAA

St. Thomas, U.S. Virgin Islands

PrAAAA AAAAAAt

This project required the development of an expansion master plan to incorporate new CBP/TSA Standards and reconfigure and remodel of the entire Airport facility to accommodate 12 new gates and corresponding passenger holding rooms.

● STTCEK AP AAAA AAAC A ABAAAA A

St. Thomas, U.S. Virgin Islands

PrAAAA AAAAAAt

Provided Field Investigation, Building Condition Evaluation & Damage Assessment Report, Verification of Operational Condition, Preparation of Assessment Reports and Drawing Documentation for 35 Virgin Island Port Authority (VIPA) buildings damaged during the 2017 hurricane season.



Jaime Ruiz, AIA

Project Architect

Perez & Perez Architects Planners, Inc.

Education

Masters in Construction
Management, 1988
Florida International University

Registration/Certification

Architect, State of Florida
Registration No. AR96791

NCARB Certificate #73050

Professional Affiliations

American Institute of Architects

Aviation Design & Planning Experience for past 25 years with Passenger Terminal, Cargo Terminals, and MRO/Maintenance facilities in South Florida.



PROFILE - Mr. Ruiz has over 25 years of experience project management and planning experience in development of facilities in the transportation, institutional, retail and residential industries. Involved in all phases of the projects from conceptual design to construction administration.

PROJECT EXPERIENCE

- **Miami International Airport American Airlines Control Room**
Miami, Florida
Project Architect
Responsible for overall coordination of the project. Responsibilities included overall phasing coordination and construction documents preparation. The project consisted of interior build out of the new AA Control Room in MIA.
- **Miami International Airport North Terminal Development (NTD) Program NTD Project Offices, MIA Building 3030**
Miami, Florida
Project Architect
Responsible for all phases of the project from design to construction administration. Responsibilities included developing layout plans, coordination with consulting engineers and preparation of construction documents. The project consisted of the interior build out in existing building 3030 for the project offices of the North Terminal Development Team
- **Miami International Airport American Airlines Control Room**
Miami, Florida
Project Architect
Responsible for overall coordination of the project. Responsibilities included overall phasing coordination and construction documents preparation. The project consisted of interior build out of the new AA Control Room in MIA.
- **North Terminal Development (NTD) Program American Airlines Credit Union Expansion Phase II**
Miami, Florida
Project Architect
Responsible for all phases of the project from design to construction administration. Responsibilities included coordination with consulting engineers and preparation of construction documents. The project consisted of the interior build out of the AA Credit Union expansion.



William Caycedo, P.E

E A A A A R A A or A

Bliss & Nyitray, Inc.

E A A A A

Bachelor of Science
Engineering
New York City College, 1978

R A A A A A C A t i f i c a t i o n

-Licensed Professional Engineer
Florida, Puerto Rico, US Virgin
Islands
-Certified Special Inspector-Florida

P r A e s s i o n a l A f f i l i a t i o n s

-American Institute of Steel
Construction
-Florida Structural Engineering
Association

William has over three decades of experience in the field of structural engineering, a significant portion of that with Bliss & Nyitray, Inc. William has been Engineer of Record and Structural (Threshold) Inspector for many of BNI's signature and award-winning project.



PROFILE- William takes a hands-on approach to engineering and is very involved in projects, particularly at the early stages by setting up structural concepts and system after comparison studies of various framing systems considering aesthetics, constructibility, and economy. His leadership and experience ensure team interaction and participation resulting in projects that are delivered on schedule and uphold BNI's standards of the highest quality. William actively supervises all the engineering production in the Miami Office.

PROJECT EXPERIENCE

- **Tri- Rail Station**
Pompano Beach, FL
Engineer of Record, Project Manager
This major upgrade to the Pompano Beach Tri-Rail Station includes two 25' x 400' platforms on grade with canopies for the northbound and southbound stations, with stairs and elevators, and a pedestrian overpass overhead walkway.
- **(Terminal Wide People Mover System) Skyride at Miami International Airport**
Miami, Florida
Threshold Inspector, Project Manager
Elevated covered pedestrian bridges totaling 3500 feet, connecting all passenger concourses and parking garages. Primary structural frame: structural steel
- **South Florida Regional Transportation Agency Operations Building**
Pompano Beach, Florida
Engineer of Record, Project Manager
The building consists of structural precast panels and load bearing masonry walls supporting a PSI floor system. The building is supported by augercast piled foundations and grade beams
- **Miami-Dade County Children's Courthouse**
Miami, Florida
Engineer of Record, Project Manager
Fifteen story building with adjacent five level parking garage. Primary structural frame consists of reinforced concrete columns and shearwalls, and post-tensioned slab
- **North County Government Center**
West Palm Beach, Florida
Engineer of Record, Project Manager
72,000-SF Addition and 32,000-SF Renovation of an existing 2-story courthouse building. Concrete columns, composite precast concrete floors and roof.



Michael K. Miller, PE

Senior Fueling/Support Systems Engineer

T.Y. Lin International

Education

MS in Mechanical Eng.,
University of Miami, 2005

BS in Mechanical Eng., Florida
Atlantic University, 1978

Registration/Certification

Professional Engineer:
FL #34313

TYLIN INTERNATIONAL

Mr. Miller is a recognized expert in concept development, planning, design and inspection of aircraft fueling systems and aircraft support systems, including 400-hertz and preconditioned air systems,

at large and medium sized commercial airports. His competence extends from bulk fuel storage and pumping facilities to hydrant fuel systems, pipelines, truck loading stations and leak detection systems. Mr. Miller has considerable experience appraising the condition and value of aviation fuel systems. His experience also includes fire protection design for fuel storage facilities, hangar and buildings. He has over 35 years of providing these services for airlines, service companies, airport administrations and private clients.

PROJECT EXPERIENCE

● FAAPAALAAAAAAAA

Fort Lauderdale / Hollywood International Airport, Florida

EAAAAAAAAAFAAAA

The firm was responsible for the planning, design and construction administration services for the relocation of a 14"/2,500lf hydrant fuel system distribution pipe line to make way for parking structure. The firm evaluated different scenarios to resolve the conflict, analyzing the construction costs and schedule impacts of each alternative. A final decision was made to relocate the jet fuel from under the proposed footprint to avoid casing the pipe as required by fire codes. Design involved new fuel pipe, valve pits and cathodic protection system, all meeting the requirements of FDEF 62-762 Aboveground Storage Tank Systems.

● JAFATAAAAFAPAAAILAA

Fort Lauderdale / Hollywood International Airport, Florida

EAAAAAAAAAFAAAA

T.Y. International provided engineering services for the construction of a new 27,400 bbl. (70' diameter by 40' high) API 650 Welded Steel Tanks, for Oil Storage jet fuel storage tank and new fire protection piping to water/foam cannons. The services provided included preliminary and detailed design, geotechnical investigations, permit processing, bidding and contract award services and resident engineering services. The work elements designed included the storage tank, jet fuel fill and supply piping, tank instrumentation, cathodic protection for tank bottom, tank ring wall foundation and new fire protection piping and fire department connections.

Tank was specified to meet all jet fuel service requirements per codes and standards including sloped floor to center sump, floating suction, inlet diffuser, tank gauge and level alarms including overfill protection, stripper and drain nozzles, 360-degree roof guard rail and interior epoxy coating system.

● NATAAAADALAAANTD

Miami International Airport, Florida

EAAAAAAAAAFAAAA

Mr. Miller was the Engineer of Record for the hydrant fueling system for the American Airlines North Terminal Development (NTD) program that serves 47 international/domestic gates for both narrow-body and wide-body aircraft, as well as for the apron development for 26 regional jet and commuter gates.

Systems included were double wall carbon steel pipe hydrant system, emergency fuel shut-off system, leak detection system and cathodic

protection system. TYLI was responsible for coordination and management of design and construction contracts for airside civil engineering improvements and airport systems associated with American Airlines \$3.2 billion terminal expansion. Responsibilities included coordination of North Terminal airfield and apron construction with airline operations representatives, as well as other Aviation Department projects. This work included analysis of airfield construction on airline and airport operations, evaluation of alternate construction phasing sequences, and evaluation of changes in airline and airport requirements related to gate availability, taxi times, and other construction projects on the overall program schedule and budget. This work also included coordination of design and construction of airport systems such as 400Hz, Pre-Conditioned Air (PCA), and Passenger Loading. The program was divided into many construction contracts with multiple phases to maintain airline and airport operations, including the incorporation of elements of the existing fuel system into the new fuel system to provide for service continuity.

● **ALAAAF AAA AE AAAAA AAMIAA AGAAA ports**

Miami International Airport, Florida
PrAAAMAA AA

As the Project Manager, Mr. Miller was responsible for coordination and management of design and construction. This scope of services performed includes descriptions of services provided for a number of different aviation fueling system projects and tasks authorized under this contract: MIA New Pump Station for Airport- Design, Bidding, Award, Work Related and Work Site Services by Mechanical, Electrical, Civil and Structural Engineers for two new pump stations and related work; a 30,000 Gallon Spent Fuel Tank at MIA -Design, Bidding, Award and Work Related Services provided by Mechanical, Electrical, Civil and Structural Engineers; MIA Fuel System Master Plan- Investigation, data gathering, data analysis and forecasting aviation fuel consumption and preparing list of projects to accommodate increasing consumption; Diesel and Gasoline Tanks At West Cargo and 20th Street-Design, Bidding, Award and Work Related Services provided by Mechanical, Electrical, Civil and Structural Engineers for tanks for GSE equipment refueling; MIA Aviation Fuel System Atlas- Prepare and verify aviation fuel system infrastructure and create an atlas to catalog all fuel system improvements, and MIA Dike Area 4 Tank Double Bottoms- Design, Bidding, Award and Work Related and Work Site Services provided by Mechanical, Electrical, Civil and Structural Engineers to add double bottoms to existing aviation fuel tanks, provide cathodic protection and repair tanks to cure issues.

● **ConAourAEA AE -SA AA~~AF~~ AAH A AS ystem Modifications**

Miami International Airport, Florida
E AAAAA -A RAAorA

Engineer of Record for the design of modifications to existing jet fuel hydrant system to accommodate a new aircraft mix that included two new Airbus A380 gates. The modifications included installation of 32 new hydrant pits and more than 1,000 lf of new 6", 8", 12" and 14" of jet fuel piping, and demolition of existing pits and piping. Inspection, assessment, rehabilitation and restoration of damaged and deteriorated concrete apron pavement was a critical part of the project. During construction, several buried flanges, low and high spots in piping without proper drain and vents, and non-compliant welds were discovered. Fast track design and onsite solutions were devised to correct these issues. All buried flanges were replaced with weld pipes, all non-compliant welds have been replaced with new weld spool pieces, and all high points and low points in the piping were equipped with high point vents and low point drains. The design included phasing and planning to minimize disruptions to ongoing operations. Mitigation of contaminated soil and dewatering was also a part of the project. Also, inspection of existing piping with cameras was performed to determine corrosion, and structural pavements were restored.

● **JAF AAS ystAPSAA**

Miami International Airport, Florida
PrAAAMAA AA

As the Project Manager, Mr. Miller was responsible for coordination and management of design and owner's representative for two new pump stations at MIA with an installed combined capacity of 14,400 gpm to service the airport fuel needs. The design included large capacity API-610 pumps with variable frequency drives for pump motors, large diameter suction and discharge double wall piping, filter separators, emergency generators, motor control centers, electrical service vaults and electrical power distribution, and a new pump control system using PLCs to control the pumps and automate the tank farm. Electronic process monitoring and control systems were also designed. Work also included site demolition, grading, pavements and site lighting. Over 100 drawings, pre-purchase specifications, technical specifications were prepared for architectural, structural, civil, piping, mechanical, electrical power and control, cathodic protection, survey and finalized in a five-month window. A foundation package was also prepared to allow construction to begin as early as possible in the schedule. In preparation for the new pump station, TYLI provided emergency consulting services for the design of a temporary pump station to place the existing station. This work required design of a temporary pump station, piping, evaluation of existing piping and tanks for fire damage, appraising and recommending repairs and maintenance for the existing fire protection and fuel system components. TYLI also provided permitting services, construction project management services and field inspection services for this project.



Mehmet Y. Ulutas, PE

Senior Fueling Systems Project Manager & Design Engineer

T.Y. Lin International

Education

MS, Mechanical Engineering,
University of Miami, 2001
MBA, Business
Administration, University of
Miami, 1998

Registration/Certification

Professional Engineer
Florida #65541

TYLIN INTERNATIONAL

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PROJECT EXPERIENCE

- TA AAAT GA AFJAF AAH A AV AAAPA
Ft. Lauderdale/Hollywood International Airport, FL
E AA AAAAAA orA
Engineer of Record for the design of a new jet fuel hydrant valve pit with new 6"/10" double wall pipeline and replacement of existing 12" single wall pipe with 12"/16" double wall piping. The design also included modification to existing isolation valve vault, flushing, hydrostatic testing, cathodic protection and extension of leak detection system.
- TA AAAT 3/TC onnAAJAF AAH A AP AAAAA AA A
Ft. Lauderdale/Hollywood International Airport, FL
E AA AAAAAA orA
Engineer of Record for the replacement of existing 14-inch single wall piping with 14/18-inch double wall piping. It also included modifications to existing isolation valve vaults, pavement restoration, flushing, hydrostatic testing, grout filling of existing piping, extension of leak detection system. The design was completed in a week due to aggressive construction schedule.
- AA AAL ALAAADA AAS ystAP rA AA AAT A AAAF AAS ystA
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Ft. Lauderdale/Hollywood International Airport, FL
E AA AAAAAA orA
Engineer of Record for preparing an alternative leak detection system procedure to be in effect in lieu of an existing non-functional leak detection system as per Florida Department of Environmental Protection (FDEP) rules and regulations.
- TA AAAH A AF AAS ystA
Ft. Lauderdale/Hollywood International Airport, FL
PrAAAMAA AAE AA AAAAAA orA
Project Manager and Engineer of record for the design for modification of the existing jet fuel hydrant system, which included replacement of an isolation valve pit, removal & reinstallation of 10"/14" double wall jet fuel pipe and implementation of a new pressure-based leak detection system for the existing double wall fuel piping.

- FAAF AAAA AGA A A or
Ft. Lauderdale/Hollywood International Airport, FL
PrAAAE AA AA
Project Engineer for the design of an emergency power system for the fuel facility. The system included a 750 KW standby generator, a 1200 AMP automatic transfer switch and remodeling of an existing office space to an electrical room.

- N AT A AAADA LAA AAA A AAF AAA AS ystA
Miami International Airport, FL
SAAP rAAAE AA AA
Senior Project Engineer responsible for the aircraft fueling system designs for the North Terminal Development Program at the Miami International Airport. The system included pressurized hydrant-type aircraft fueling system for the 51-gate North Terminal. The design involved planning 18,000 lf of 14"/18", 4,000 lf of 20"/24" carbon steel double-wall jet fuel pipeline, 4 control valve vaults and 8 isolation valve pits. Apron pavement restoration and rehabilitation was also crucial part of the design. Also performed hydraulic and surge analyses of the aircraft fueling system in order to assess its capabilities. Another major task was to incorporate existing fuel system into new fuel hydrant system while optimizing number of ongoing aircraft operations.

- WAC A AF AAT A AAF AAAA
Miami International Airport, FL
E AA AAARAA orA
Engineer of Record for the design of a 9-bay-canopy fuel tender facility with 8 bays to load jet fuel into aircraft refueler tankers up to 17,500 gallons in capacity, and 1 bay to offload, bulk load and dispense diesel. One 2-hour fire rated jet fuel filtration building with filter/separator vessels, pressure surge protection, pressure and flow control valves and another a 3-hour rated Operator's Building with operator room, break room, bathrooms, storage, fire pump and electrical rooms are designed. The project also included extension of the existing 12"/16" underground double wall jet fuel pipes with a cathodic protection system. Installation of high point vent pits, low point drain pits, and isolation valve vaults are also included. Relocation of an existing 10K-gallon aboveground red diesel storage tank with bulk truck loading, dispensing assemblies, underground double wall and aboveground single wall piping and leak detection from the diesel bay to the tank. A drainage system, concrete pads, environmental assessment, concrete and asphalt pavement and markings, a new emergency generator, fire suppression and fire alarm systems, CCTV security system to monitor the new fuel tender facility are part of the design.

- ConAourAEA AE-SA AAAAF AAH A AS ystem Modifications
Miami International Airport, FL
E AA AAARAA orA
Engineer of Record for the design of modifications to existing jet fuel hydrant system to accommodate a new aircraft mix that included two new Airbus A380 gates. The modifications included installation of 32 new hydrant pits and more than 1,000 lf of new 6", 8", 12" and 14" of jet fuel piping, and demolition of existing pits and piping. Inspection, assessment, rehabilitation and restoration of damaged and deteriorated concrete apron pavement was a critical part of the project. During construction, several buried flanges, low and high spots in piping without proper drain and vents, and non-compliant welds have been discovered. Fast track design and onsite solutions have been devised to correct these issues. All buried flanges are replaced with weld pipes, all non-compliant welds have been replaced with new weld spool pieces, and all high points and low points in the piping have been equipped with high point vents and low point drains. The design included phasing and planning to minimize disruptions to ongoing operations. Mitigation of contaminated soil and dewatering was also a part of the project.

- ConAourAFJAF AAH A AS ystem Modifications
Tampa International Airport, FL
E AA AAARAA orA
Engineer of Record for the design of modifications to existing jet fuel hydrant system to accommodate a new aircraft mix for the international gates. 9 new hydrant pits and associated lateral piping were installed and concrete apron pavement slabs were restored. The design included hot-tap method connection to existing pipe in one night to eliminate disruptions to fueling operations in the AM.



Adolfo Canal, P.E

Lead Civil Engineer

T.Y. Lin International

Education

BS in Civil Engineering,
Florida International
University, FL, 1990

Registration/Certification

Professional Engineer
Florida, #48072

TYLIN INTERNATIONAL

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PROJECT EXPERIENCE

- GA ADD P AA AAB A AA AB AAAAPBBA -GA e Modifications
Miami International Airport, FL
LAAACALAAEAA AA
Mr. Canal was Lead Civil Engineer for the design of two new PBBs and fixed walkways to provide upper level door service for A380 aircraft for existing aircraft parking gates at Miami International Airport. The project also included Pre-Conditioned Air and 400Hz Ground Power Modifications.
- GA AJ P AA AAB A AA AB idge Modification fA 380
Miami International Airport, FL
LAAACALAAEAA AA
Mr. Canal was the Lead Civil Engineer of the civil design for the improvements on gate J17 to accommodate the Airbus A380. Design included coordinate location of the Passenger Boarding Bridges, Aircraft layout for adjacent gates, pavement marking and Maintenance of Traffic.
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Miami International Airport, FL
SAACALAAE AA AA
The project involved the replacement of thirteen passenger boarding bridges aircraft preconditioned air units, and 400Hz ground power units at Tampa International Airport. The project team designed new aircraft parking positions for existing gates to update and better utilize apron space. New standardized marking plans were prepared for each gate. Design work included specifying new passenger boarding bridges, preconditioned air units supplied by central glycol plant and higher capacity 400Hz power units. Design also included air conditioning of new passenger boarding bridges to increase passenger comfort during aircraft loading. The work was phased to occur one gate at a time.
- SAT A AAADA LAA A
Miami International Airport, FL
SAACALAAE AA AA
TYLI provided design and construction phase services for the South Terminal Expansion Program at Miami International Airport (MIA). Totaling 1.7 million square feet, the new multi-level \$360M terminal is equivalent to a new midsize airport and represents the first major terminal expansion at MIA since the airport was built in the 1950s. The firm's staff provided the mechanical and civil engineering design and construction phase services for the plumbing and fire protection systems of the 5-story terminal building. The building is a state-of-

the-art airport terminal facility with open areas and a mall atmosphere featuring high end shops and restaurants such as South Florida's own Bongo's Restaurant. The open vistas of the building presented coordination challenges to the design and construction team. The fire protection system required close coordination with the aesthetic elements of the structure and ceilings. The exterior glazing deluge fire protection system, implementing a state-of-the-art ultra-violet / infra-red (UV/IR) fire detection system, was closely coordinated with the exterior structural elements to be indiscernible to the observer. Rainwater leaders and sanitary drainage systems also required close coordination with the building aesthetic elements to provide an elegant design. South Terminal includes the second of the three new 2,500 GPM fire pumps for MIA continuing the implementation of the Life Safety Master Plan developed in the 1990s.

- TAA AR ARAAAAAAAAAAP rA A
Ft. Lauderdale/Hollywood International Airport, FL
SAAA LAAAE AA AA

Responsible for airfield civil design for the Taxiway and Ramp Rehabilitation program at Fort Lauderdale-Hollywood International Airport. The work included airfield pavement design, paving, grading, maintenance of airside traffic, maintenance of airline operations (alternative gate usage), permitting and coordination.

- ConAourAESA AA~~AA~~ MAA field Phase III, T unnAAUAAAC orrAA
Miami International Airport, FL
SAACALAAE AA AA

TYLI provided the structural design of the midfield vehicular tunnel extension and modifications, which encompassed a 100' extension of the existing tunnel to accommodate the new aircraft Taxiway P over the vehicular tunnel. The tunnel entrance relocation necessitated the installation of 3 new guard booths. In addition, the firm was responsible for the construction and airside safety inspections. Special Features included: Major airside improvements (including vehicular tunnel modification), Maintenance of Operations (functioning international airport), Coordination with MDAD divisions, building department, fire department, etc. , Utility corridor, and construction phase services (in coordination w/ the contractor).

- SAT A AAAC AA PAAAG ounAS E A A
Orlando International Airport, FL
E AA~~AA~~RAA orA

Mr. Canal is the Engineer of Record for the civil components of the GSE portion of the new South Terminal Complex at Orlando International Airport. The scope includes 8 narrow body gates, 5 jumbo gates (2 Passenger Boarding Bridges-PBBs each) and 3 super jumbo gates (3 PBBs each) with a total of 27 new Passenger Boarding Bridges. Five (5) of the mentioned gates are alternates for 2 narrow bodies without impacting the adjacent gates. The GSE being designed includes the PBBs, preconditioned air handling units, 400 Hz Ground Power Units, Service Transport Units, and the Central Preconditioned Air Plant to service the PBBs. The scope also includes new aircraft layout and markings. This project is been developed using the program AVIPLAN Airside Pro 1.

- AAAACALAAEA AAA ASA LAAN AT A AAADA LAA A
Miami International Airport, FL
DA P rAAAMAA AAA AE AA~~AA~~RAA orA

Responsible for the design of apron and taxiways in rigid and flexible pavement, divided into 5 different projects. Those projects involved coordination with different consultants in the apron as well as the terminal building. Design includes pavement design, geometry, grading, drainage, utilities and marking and airfield lighting; also involves the treatment for the first flush of rain through and oil/water separator. One of the tasks included keeping in operation one of the busiest airports in the United States during construction; this involved coordination with different airlines and the airport authorities to keep and maintain gates and taxiways open during construction. Also included coordinating the installation of the hydrant fueling system with the civil apron works. This project was part of the \$3.2 billion terminal expansion.



Colin P. Henderson, ENV SP

Senior Environmental Scientist

T.Y. Lin International

Education

MS, Environmental Engineering,
Florida International University,
2000

Registration/Certification

ENVISION Sustainability
Professional

OSHA Hazardous Materials Site
Safety Supervisor and Hazardous

Professional Affiliations

South Florida Association of
Environmental Professionals-
Board Member (2013 – 2016)

TYLIN INTERNATIONAL

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PROJECT EXPERIENCE

- UA AAAAAAA'C A ABAAAA AC AAAAE LAonmAAAA A A
Miami International Airport, FL
SAAE LAonmAAASAAAA
Sr. Environmental scientist responsible for a due diligence preconstruction environmental assessment of property proposed for an airport cargo building construction. Activities involved screening of geotechnical borings and groundwater sampling and evaluation. Based upon the findings, a Materials Handling Plan was developed to address environmental concerns during construction phase services.
- TA AAAC AAAASA AAA A A
Ft. Lauderdale/Hollywood International Airport, FL
SAAE LAonmAAASAAAA
A Preconstruction Phase I Environmental Assessment of the proposed expansion area was performed followed by a Phase II Site Assessment Report and Phase II Supplemental Site Assessment to confirm the continuing presence of soil and groundwater contamination in the proposed construction area of the Terminal Expansion at Fort Lauderdale-Hollywood International Airport. A materials management plan and short term remediation techniques were developed to address soil contamination and free-floating product that may be encountered during construction activities.
- NAF ourAR wAC AAAAE LAonmAAAA A ARA LAw
Miami International Airport, FL
SAAE LAonmAAASAAAA
Environmental engineer responsible for identifying and coordinating all environmental aspects of the new runway design, including contamination, permitting, dewatering, and natural systems. Developed soil sampling plan in conjunction with the geotechnical studies for a preconstruction assessment of the proposed runway alignment incorporating information from contamination, spills, and suspect areas. Developed specifications for soils handling, endangered species, and management of aquatic species in canals to be filled.

- SAAMAA AA A C AAAAE LAonmAAASAA A OL A AAA
Miami International Airport, FL
PrAAAMAA AA
Responsible for the management of soils generated from earth moving activities from various construction projects at the airport, including maintenance of stormwater management controls and the acceptance of MDAD-approved soils from the construction sites. The project had two Soil Staging Areas for temporary soil stockpiling to facilitate on-going construction at the airport. This project also involved coordination and the regulatory compliance with Miami-Dade DERM and FDEP requirements. Since these staging areas were at the western end of the airport's runways, soil piles had the potential to extend into the approach air space. The soil stockpiles were continually monitored to ensure they remained below the regulated flight path.

- ConAourAESA AA~~AAA~~ C AAAAA A A MAafeld Phasee II, T unnAUAAA C orrAA
Miami International Airport, FL
E LAonmAAASAAAA
Mr. Henderson was responsible for identifying and coordinating all environmental aspects of the project, including contamination, permitting, and dewatering. TYLI provided the structural design of the midfield vehicular tunnel extension and modifications, which encompassed a 100' extension of the existing tunnel to accommodate the new aircraft Taxiway P over the vehicular tunnel. The tunnel entrance relocation necessitated the installation of 3 new guard booths. In addition, the firm was responsible for the construction and airside safety inspections. Special Features included: Major airside improvements (including vehicular tunnel modification), Maintenance of Operations (functioning international airport), Coordination with MDAD divisions, building department, fire department, etc. Utility corridor, and Construction phase services (in coordination with the contractor).

- 200UAA AAA AOA AAS ormWA AP AAAP rALAAPAA
Miami International Airport, FL
PrAAAMAA AA
Mr. Henderson was responsible for identifying and coordinating all environmental aspects of the project which included the identification and update of tenant activities that may impact the quality of stormwater discharges. TYLI was responsible for the development and preparation of the 2003 update to the 1995 Stormwater Pollution Prevention Plan (SWPPP) for operations at Miami International Airport (MIA). The SWPPP was updated to meet the current requirements of the National Pollution Discharge Elimination System (NPDES) program administered by the Florida Department of Environmental Protection (FDEP). The SWPPP was prepared in accordance with the requirements of the NPDES Stormwater Multi-Sector General Permit (MSGP) issued for use in the State of Florida. The Miami-Dade County Aviation Department (MDAD) developed the operational SWPPP to provide its tenants with consistent and effective management of stormwater runoff from the leaseholds. Preparation of the SWPPP update included a description of the drainage patterns and land use of MIA, potential stormwater pollution sources resulting from practices and activities at the airport, and identification of stormwater management controls and best management practices (BMPs) to eliminate or reduce pollutants entering the stormwater system. Services also encompassed the review of stormwater master plans and watershed identification of participating tenants, providing site inspections, development of facility maps and exhibits, and the conduction of tenant audits

- DEFW rAC AAAAA A A C oorAAAAA APA A A A
Miami International Airport, FL
SAAE LAonmAAASAAAA
Responsible for identifying and coordinating contamination and permitting issues associated with the proposed expansion of Concourses D, E, and F. Involved coordination with MDAD and DERM in regard to dewatering, existing soil and groundwater contamination, and active soil and groundwater remediation systems in conflict with the proposed design. Several components of the system and an underground storage tank providing fuel for a generator would require relocation.



Caroline Herman

Environmental Scientist

T.Y. Lin International

Education

MPS (Masters of Professional Science), Coastal Sustainability, University of Miami

Registration/Certification

HAZWOPER, Florida State GIT

Professional Affiliations

N/A

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PROJECT EXPERIENCE

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- MAAADA AACountDA A tmAAE LAonmAAARA AAMAA AA ,
CAAAAG ounA A ASAAA A A
Miami-Dade, FL
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 - Designed and implemented geological groundwater and soil assessments of properties throughout Miami-Dade County with petroleum contamination.
 - Supervised studies in geophysics, water quality, sedimentology, and groundwater modeling to identify potential pollutants endangering local water resources.
 - Managed 50 petroleum-contaminated sites during assessment and cleanup and teams of consultants working for the Petroleum Restoration Program, as a liaison between the Florida Department of Environmental Protection, government contractors, and the public.
- MAAADA AACountDA A tmAAE LAonmAAARA AAMAA AA A ,
CAAAAG ounA A ASAAA A A
Miami-Dade, FL
H A AAAAAII

 - Evaluated laboratory results from groundwater and soil assessment at contaminated sites throughout Miami-Dade County.
 - Advised property owners and contractors of Miami-Dade County Code and Florida State Laws pertaining to levels of chemicals within soil and groundwater on residential and commercial land.
- MAAADA AACountDA A tmAAE LAonmAAARA AAMAA AA ,
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Miami-Dade, FL
H A AAAAAI

 - Planned and executed field sampling of groundwater wells throughout Miami-Dade County as a part of an early warning detection system for groundwater contaminates.
 - Investigated causes of groundwater contamination throughout Miami-Dade County.

- BAAAnANAAAAP A ADA A tmAARA AAMAA AA A
Miami, FL
WA AQAAA T AAAAAA

- Collected salinity, temperature, conductivity, and depth data in Biscayne Bay using YSI 6600 data sondes as part of the Comprehensive Everglades Restoration Plan and in collaboration with NOAA and University of Miami.
- Contributed salinity monitoring project data to the National Parks Service Hydrology Database.
- Assisted in retrieval, deployment, and maintenance of field instruments in tropical shallow water habitats using free diving and snorkeling.
- Managed laboratory and field operations for the Salinity Monitoring Project.
- Trained and supervised 10 volunteers in laboratory and field safety and procedures.

- SAAAAP A AC AAAASA AAA AA AC orrAAALAAA
Miami, FL
E LAonmAAASAAAA

Environmental Scientist for the preparation of a Site Assessment Report (SAR) for the Southside Park in downtown Miami. The site is currently the location of a community park with playground, basketball court and community center and is approximately 2 ½ acres in size. The assessment included the installation of 32 geoprobes and 2 temporary groundwater wells to investigate the potential presence of buried solid waste and risk associated with exposure to contaminated soils.



Meaghan Capuano, PE

Traffic Engineering

T.Y. Lin International

Education

BS, Civil Engineering, State University of New York at Buffalo, 2002

Registration/Certification

Professional Engineer in;
NY (089580),
FL (77127)

Professional Affiliations

Institute of Transportation Engineers (ITE), NY Upstate Section, 2009 – Current;
Section President, 2012

TYLIN INTERNATIONAL

PROJECT EXPERIENCE

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Miami, FL
Traffic EnAAAA

Ms. Capuano performed traffic simulation and LOS capacity analysis for the extension/rerouting of 42nd Court from 14th Street to NW 13th street. She developed a Synchro and SimTraffic model for the project area consisting of five intersections for existing and future build conditions including three alternatives. Ms. Capuano designed the signal timings and coordination according to MUTCD standard including pedestrian accommodations.

- PAFAAAA AC A AT urOL A pAC TO)
Pembroke Pines, FL
Traffic EnAAAA

Traffic Engineer for a site-specific conceptual design solution for the intersection of Pines Boulevard and Flamingo Road to lay out a center turn overpass interchange (CTO). The project included identifying locations where the ramps began and ended, consideration for access to adjacent land, impacts to merge and weave requirements, right-of-way requirements, and aesthetic considerations. Ms. Capuano was responsible for the operational analysis performed for three peak hour scenarios for before and after conditions as well as two future conditions using Synchro and SimTraffic modeling software. In addition, she developed the signal timings for both the elevated and at-grade traffic signals, performed a vehicle queue analysis, and prepared the technical memorandum for the Broward County MPO.

- O CAAAffic anAT rA AAE AA AAA ASA LAA
City of Fort Lauderdale, FL
Traffic EnAAAA

TYLI provides on-call traffic and transportation engineering services to the City of Fort Lauderdale. Ms. Capuano has assisted the City on a variety of task orders that have included analysis of traffic impacts from planned developments, parking studies, walkability design, and Complete Streets planning and implementation. She also assisted in development of a Mobility Master Plan for the Lake Ridge community that encompassed the vehicular, pedestrian, and bicycle modes of transportation.

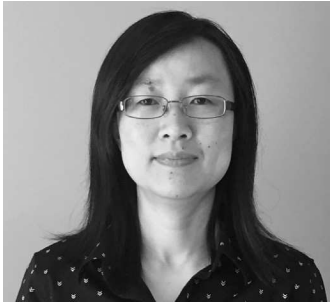
- Traffic Study of OA AAAAAV A A AA C A A
Delray Beach, FL
PrAAAMAA AA
Traffic study for a new 1,434-square foot veterinary center to be located on US 1 Federal Highway in Delray Beach, Florida. The study also included an existing 1,230-square foot professional office building which shares the parking area on the site. Ms. Capuano was responsible for all aspects of the traffic study including the initial proposal, scope of work, budget, trip generation, Palm Beach County Traffic Performance Standards Analysis, and report writing for County approval.

- SR FMF ArL AAR AA TAA County) tSC AAI AC ounty)
Georgia DOT Tift County and Irwin County, GA
Traffic En AA AA
SR 35 transverses north to south and is comprised of one lane in each direction. The study encompasses a five-mile area and investigates potential locations for truck passing lanes from Ferry Lake Road to Stump Creek. Within the project limits, the land along the corridor is comprised primarily of vacant agricultural land with some residential development. As Traffic Engineer, Ms. Capuano developed the micro simulation models that incorporated existing traffic volumes and future traffic projections along the corridor using Synchro modeling software. In addition, she performed an accident analysis along the corridor.

- SRAAA A A AACXSR AAAGA AAADOT
West Atlanta, Fulton County, GA
Traffic En AA AA
TYLI prepared a traffic methodology document for GDOT for a segment of SR 14 that is primarily industrial and commercial land uses and transverses north to south consisting of two lanes in each direction. As the Traffic Engineer, Ms. Capuano analyzed the existing traffic count data and provided various summary figures for the traffic forecasting study. In addition, she performed an accident analysis along the corridor.

- SRP AA ALA A
Forsyth County, GA
Traffic En AA AA
SR 369 is a two-lane urban minor arterial running east-west and connects Cherokee County to Forsyth County. The 5.0-mile project area includes adding passing/truck lanes on two or three locations from the Cherokee County Line to Wallace Tatum Road. Within the project limits, the corridor is primarily residential with a few industrial businesses. Ms. Capuano was the Traffic Engineer and developed the micro simulation models that incorporated existing traffic volumes and future traffic projections along the corridor using Synchro modeling software. In addition, she performed an accident analysis along the corridor.

- ForsyASR 7P R AAW AAAA AArSRA AAHAAA wAy) tK AAAMAAARAA AArK AAAMAAARA o
SR
Cummings, GA
Traffic En AA AA
Transportation Engineer to construct the Synchro traffic simulation model and capacity analysis for existing, background, and future scenarios associated with these two widening projects. The project consisted of 39 intersections and more than six miles of roadway. Ms. Capuano determined the breaks in the proposed 20-foot raised median and U-turn locations throughout the project; she wrote the traffic analysis report as well. Both projects are designed in accordance with GDOT policies and procedures and meet all requirements as contained in the GDOT Plan Development Process (PDP).



Qian (Cherry) Xiong, P.E

Traffic engineer

T.Y. Lin International

Education

MS in Civil Engineering
specializing in Transportation
Engineering,
University of Illinois at Chicago

Registration/Certification

Professional Engineer
MD, #36068

Professional

TRB Public Transportation
Planning and Development
Committee (APO25) Member

TYLIN INTERNATIONAL

PROJECT EXPERIENCE

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Tocumen International Airport, Panama
Traffic EnAA AA
Ms. Xiong led the efforts to perform traffic analysis for related landside multimodal transportation facilities. Ms. Xiong developed a VISSIM simulation model for the area in front of the terminal main entrance. Interactions between vehicles and passengers crossing streets were fully modeled. Statistics such as average travel speed, delays and queueing were estimated for both vehicles and pedestrians based on various signal control methods (fixed timing, pedestrian activated signal control and unsignalized) according to MUTCD standard.
- TA AAPAAA AA ADAAC A A Ay
Guangzhou Baiyun International Airport, P.R. China
TAAAAAADAAAT raffic EnAA AA
Ms. Xiong served as the technical director and modeling/simulation specialist and provided planning and design consultancy service to one of the three largest airports. All functional areas including long distance bus terminal, airport bus parking, taxi and car curb / garage parking were thoroughly reviewed. Both static and dynamic analysis were performed: 1) pedestrian/ vehicle microsimulation model was developed to review and optimize landside access roadway network design and way-finding system; 2) Static analysis was used to estimate curb length, parking space accessibility and number of gates needed for entering/exiting vehicles.
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Palm Beach County, FL
SAAT rA AAPAA AT raffic EnAA AA
Senior Transportation Planner and Ridership Forecast Task Leader. T.Y. Lin International evaluated the feasibility of transit service in Downtown Boca Raton for South Florida Regional Transportation Authority (SFRTA) and the City of Boca Raton. As part of this study, Ms. Xiong evaluated the alternative transit networks (downtown circulators and downtown-commuter rail connectors) and performed ridership forecasts according to service plans. Ultimately, TYLI staff prepared cost estimates and recommended a preferred alternative for the Downtown CRA Board for adoption and implementation purposes.

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Fort Lauderdale, FL
Traffic En AA AARAAA AAF orAAAT AAL AAAA
Traffic Engineer and Ridership Forecast Task Leader. Ms. Xiong performed transit ridership forecast for all alternatives tied to the transit study. The results are key input to help evaluate transit alternatives that incorporate FDOT's policies and program initiatives such as mobility hubs, passenger service, rapid bus/bus rapid transit (BRT), Light Rail and streetcar, and safety improvements to best enhance the transit operating environment in the busiest east-west bus route in Broward County, Florida. Identification of financial resources (FTA, FDOT, and local agencies) were addressed as well.

- B owA AC ountMPO SAAS AAAARAAA AAF orAAAA A
Fort Lauderdale, FL
RAAAAAF orAAAT AAL AAAA
Transit Ridership Modeling Specialist. Ms. Xiong developed a spreadsheet model to forecast the extension of the proposed WAVE streetcar Phase I under various alignments and operating scenarios to understand the magnitude of the additional ridership. Tasks performed included: 1) Aggregation of Traffic Analysis Zones (TAZs) into districts based on streetcar extension alignment and catchment area, as well as the trip pattern; 2) development of district level trip tables based on the Southeast Florida Regional Planning Model (SERPM) highway and transit demand; 3) calibration of the spreadsheet model; and 4) application of the spreadsheet model to various alternatives.

- D wntoA AAABCA AAAASA
Atlanta, GA
MAAAAAAMAAAAA AT raffc En AA AA
TYLI staff served as lead VISUM modeler and developed downtown Atlanta area travel demand model from ARC's regional travel demand model. The study area was first defined based on the project boundary. Zones were disaggregated. The network was refined, and detailed centroid connectors were added based on field check and aerial photos. The AM and PM peak hour demand were calibrated to link and turn counts. Detailed signal timing information was also added to the demand model for VISSIM micro-simulation preparation purpose. The model was then used for downtown area bus circulation study in a micro-simulation environment.

- MA A AAAC orrAAEAA AA ATIGERV IG AP rAAAt
Champaign-Urbana, IL
TrAAOA AAT rALAADAA AMAAAMAA o-SAAAASAAAAA
Ms. Xiong provided support for planned transit improvements in Champaign-Urbana, IL. Macro-micro integration approach was used to understand existing and future year travel pattern of all modes in the study area. The work included performing alternative analysis using high resolution micro-simulation to show how bus-only lanes may improve efficiency and suggested operations improvements at segment and intersection level. In addition, simulations of vehicles, bikes and pedestrians were used to support implementation of complete street concept.

- RAAAAAT rAAMAAADA LAA A SA yTrAAE MAAAAALA A
Vancouver, Canada
LAAANA worAMAAAA
Ms. Xiong developed a model that supports decision making and comprehensive analysis for the implementation of the regional transit plan. The tasks performed included the development of the comprehensive regional transit network; calibration/validation of the ridership model; calibration/validation of an operations model including fleet assignment, scheduling, line blockings; formulation and integration of zone-based or distance-based fare structure across all public transportation modes for cost-revenue analysis; development of an automated transit schedule update system for model update purpose; and, applications of the model in various planning and operations scenarios such as operations planning for the future extensions of the rapid transit network and bus service adjustments around new rail lines.



ADRIANO I. FOTI, PE

Senior Roadway Engineer

T.Y. Lin International

Education

MSCE, Florida International University, 1994

BSCE, UACA San Jose Costa Rica, 1989

Registration/Certification

Professional Engineer,
Florida #49938
Teras # 136067

TYLIN INTERNATIONAL

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PROJECT EXPERIENCE

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Tocumen International Airport, Panama
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TYLI served as the lead designer on this design-build project to transform and modernize the Tocumen International Airport, as sub to the firm Odebrecht. The scope of services encompasses improvements to the airport landside transportation network and civil and utility works for the new south terminal expansion project. This includes the addition of a signature terminal building with related landside multimodal transportation facilities that include 4 miles of roadway corridor, terminal upper and lower vehicular drives, two roundabouts, and a partial cloverleaf interchange with existing highway system. Also included is the provision of an integrated ground transportation system to merge new and existing terminal roadways, service roads, bus terminal, cargo and delivery area, rental car and parking facilities. Utility design includes the installation, integration, and relocation of water mains, sewer mains, a water treatment plant, and 14,000 ft. of 36-in. regional sewer collector main. A new utility and energy center was added on site to consolidate all utility connections, anew power substation, water tanks and pump stations for chilled water, fire suppression and communications. Landside drainage works include regional surface water management and relocation/channelization of 1.2 miles of the Tocumen River. Mr. Foti was responsible for all landside roadway designs.
- AAporL A AAAASA LAAA LAAAPAAA ACA A
Miami International Airport, FL
SAAR AA AE AAAA
TYLI has a multi-year aviation planning services contract for Miami-Dade Aviation Department's system of airports. These services include; airfield, airspace, roadway, parking studies, facility and terminal planning, regional aviation planning, Aviation Layout Plan (ALP) development, Capital Improvement Program (CIP) development and support, Joint Automated Capital Improvement Program (JACIP) support, airspace analysis, airport zoning development, analysis, and support, operation and development of planning models, economic impact analysis, airport activity forecasting, management of planning data, planning support to airport management, feasibility analyses, benefit-cost studies, and other activities normally associated with planning at large hub commercial airports. Mr. Foti provided support for the conceptual support required under this contract.

- TAAA portL A AAAAMA A AADAAA
Sucre, Colombia
PrAAAE AA AA

Mr. Foti developed the Master Plan layout for airport expansion, prepared masterplan report and presentations, provided cultural exchange presentations to MOP.

- PorMAAAI A MAAAT rA AAMA APAA
Miami, FL
DAAAMAA AA

Inter-Modal Transportation 2020 Master Plan for the Port of Miami development. Completed roadway circulation design concepts and performed traffic operations analysis on the proposed concepts. Developed MOT plans for port cargo traffic and cruise passengers' traffic during construction. Coordinated with multiple port, county and state departments and private stakeholders in the development of the preferred alternative to include parking, transit, pedestrians, luggage handling, safety, MOT/TCP, security and cargo operations. Preferred alternative was compatible with FDOT tunnel to Watson Island.

- SROA AAAAA ACA AAA oLA ADAABAAA
Miami-Dade County, FL
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SR 836 is a high-profile, heavily traveled east-west corridor in Miami and is the gateway for drivers to and from Miami International Airport. TYLI is the lead designer for this \$149M project to add lanes and provide capacity-related improvements to a 4.89-mile segment of limited-access expressway. TYLI's design team developed several innovative Alternate Technical Concepts that were approved by the Owner and allowed the Contractor to submit a competitive bid and a very aggressive schedule. One approved ATC proposed use of a diverging diamond interchange (DDI), a concept that is fairly new in the US. TYLI will be responsible for all roadway and drainage design elements as well as the design of 31 bridges at 25 locations along the corridor. Mr. Foti is serving as the Deputy PM and the Roadway Engineer of Record on this project.

- SR P AA A tE xpwSAA AAA wAAN W A LA N W A LA
Miami, FL
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This is a 1-mile segment of limited access freeway widening and addition of express toll lanes in the median. Includes interchanges with reconfiguration and capacity upgrades. Frontage roads are being reconstructed and widened to match the existing property access points. Performed plans review and quality control for the design team including roadway, signing and pavement markings, lighting, MOT, drainage, signalization and ITS.

- IPAAAAP rAA APA tnA AAP PPAA wAAI 7A AI
Broward County, FL
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The I-595 PPP corridor project is a 14 miles complex urban highway segment with directional interchanges with I-75, Florida's Turnpike and I-95 in the heart of Ft. Lauderdale Florida. It includes adjacent canal, addition of managed reversible lanes (Express Tolloed lanes) in the median, new direct connections with the Florida Turnpike and a planned elevated LRT transit corridor. Duties included leading a 15-member roadway design team for the following Construction Packages under an extremely compact schedule and aggressive completion program.

- CP 809-001 (I-595-Turnpike Interchange): Engineer of Record for this multilevel semi directional interchange modification to accommodate managed lanes direct-connections between I-595 and Turnpike. Achieved a complex design solution adapting new movements with existing ones while salvaging maximum number of existing bridge structures and existing at grade roadway and ramps.
- CP 809-002 (I-595-Turnpike Interchange): Engineer of Record for this Mainline Turnpike widening to accommodate express/managed lanes direct-connections between I-595 and Turnpike. Opening of a new westbound to northbound movement which completes direct movements for general purpose and managed lanes.
- CP 309-001 (I-595 at Hiatus Road Interchange): Design Manager EOR of this urban tight diamond interchange with braided ramps system, frontage road SR 84 with bike lanes and business driveway connections, Texas U-turns, future elevated light rail transit LRT line, adjacent canal with bulkhead and connecting bridge to local neighborhood.



Eric J. Hammond, PE

PrA AAAAMA~~AAAAAAE~~ AA A

Hammond & Associates, Inc.

EAAAA

Bachelor of Science, Mechanical Engineering
University of the West Indies, 1973

Electrical Engineering
University of Technology, 1967

RAAA AA CA tification

Florida Professional Engineer
#PE39008



PROFILE-Mr.EricJ.Hammond, PE is a Professional Engineer with over 45 years of experience in Mechanical, Plumbing, Fire Protection engineering design and Construction Management. Mr. Hammond 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.

PROJECT EXPERIENCE

- ForL AAA AAAHAwAI A AAAAAA porT A AAEE A A n
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Expansion of existing gates, demolition of existing Concourse H, construction of the Aviation Department offices, reconfiguration of security screening checkpoint, and construction of the building shell.
- ForL AAA AAAHAwAI A AAAAAA porT A AAAW A A n
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The Terminal 4 modernization at FLL includes expanding the terminal area from 60,000 ft to 490,000 ft with 30 ft ceilings. It includes development of a new Concourse G with 14 gates (four new and ten from the adjoining Concourse H) for international and domestic flights. Hammond & Associates provided Mechanical, Electrical, Fire Protection.
- TA AAARA oLAAPAAAAA AB
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Renovation of the Airline Ticket Office and the Federal Inspection Service areas in Terminal 4. Reconfigured Baggage Handling System and enhanced TSA areas.
- MIAINS P AP AAP rA AP rAAAHc -O A
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Provided Plumbing and Fire Protection design services, customized counters and modified inspection counters for INS-Pass Kiosks installations.
- RA-roofinAABAAAA AA AMAAAI A AAAAAA porMIA
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Provided Mechanical and Electrical construction documents, schedules, and construction costs for the re-roofing of Building 5A.

- FAAAAAIAA ASA LAAT A A RA AAAMAAAI A AAAAA port
MAAAFL
Principal , Mechanical Engineer
Design for Federal Inspection Services for future construction of the "B" to "V" Infill. Reconfigured Baggage Handling, Inspection Station, Naturalization Services, and Search Rooms.
- RA-roofn AABAAAA AA P rAAAHMAAAI A AAAAA port -
MAAAFL
PrA AAAAMAAAAAAAE AA AA
Project consisted of the Mechanical and Electrical drawings, schedules and Construction Administration for Re-roofing of Building 5A. Elements of the design included the removal, relocation, raising fans, Plumbing Vents, Electrical receptacles, Time Clock, Lights and Conduits. Secured as built plans and data of the existing building. Disconnected electrical wiring to roof mounted exhaust fan and designed for reconnection after re-roofing.
- RA oLAAABAAAA A MAAAI A AAAAA port
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PrA AAAAMAAAAAAAE AA AA
Hammond & Associates developed the HVAC, Electrical, Plumbing, Fire Sprinkler, Smoke control drawings and construction documents (schedules, specifications as well as providing the construction administration for the project. Other scope included the review of the existing design for floors 1 through 10, the rooftop and roof terraces.



Donald Dixon, PE

EAAArAAAAEAA A

Hammond & Associates, Inc.

EAAAA

Bachelor of Science , Electrical Engineering
University of the West Indies, 1966

RAAA AA CA tification

Professional Engineer PE# 51151
(Florida) 1987



PROFILE - Mr. Dixon is a Registered Professional Engineer with over 15 years of experience in electrical engineering design, installations, and construction management services. Mr. Dixon serves as the Project Engineer and electrical Engineer-of-Record for many of Hammond & Associates municipal and county projects. His expertise is in the design of power distribution systems and value engineering. He has the expertise to manage complex projects and works in close collaboration with project owners and architects to create a lighting design that meets the needs of both the Owner and the User.

PROJECT EXPERIENCE

- MA orA AAMAAP owADA AAP rAAAHMAAADA AAALAAA
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Provided Electrical design for the Centralized Power Monitoring System based on Square "D" Power Logic System. The Main Feeder monitors were installed at each switchgear and sub-panel unit. The Monitors were designed to report to central stations through Ethernet Gateways and LAN. Provided all required design and construction administration. Coordination with MDAD and Florida Power and Light for required power shutdown. Provided the required design for construction documents as well as full construction administration for project completion.

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MAAADA AAALAAADA A tmAMAAFL
EAAArAAAAEAA AA

Provided the necessary construction documents for the replacement of the deteriorated Lift Station and Grease Traps which were located adjacent to Building 3029. Provided complete design services to construct a new system at the existing Building in accordance with the South Florida Building Code. Participated in the construction administration through final completion of the installation, including all final testing of the systems.

- SAA AOA AAC ontrAC A ASOC CP rAAAHMAAADA AA
ALAAADA A tmA
MAAFL
EAAArAAAAEAA AA

Provided design for a new fixed central Security Operation Control Center at Miami International Airport. This area affected the personnel who monitors and responds to all incoming communication frequencies for airport security, access control, aviation communications, police and fire on a daily basis. This is a two-level facility which was designed to include an Emergency Operation Center within the planned layout. The main level was 16,393 square feet and the second level was 10,800 square feet. The EOC will be utilized in an event for airport emergency or natural disaster and training and simulation purposes. The SOCC have 24-hour staffing for alarm monitoring and dispatching for Security, Landside, Terminal and Airside Operations, Fire and Police Department and other Federal and Local Agencies. Responsibilities also included Bid package and full construction administration.

● Renovations of Building 16, Miami International Airport -
Miami, FL

Electrical Engineer

Hammond & Associates developed the HVAC, Electrical, Plumbing, Fire Sprinkler, Smoke control drawings and construction documents (schedules, specifications) as well as providing the construction administration for the project. Other scope included the review of the existing design for floors 1 through 10, the rooftop and roof terraces.

- BAAAAAA ,AFAEAAA trAAAAAC AAA AAP rAAAHMAAADA AA
ALAAADA A tmA MAAAI A AAAAAA porMAAAFL
EAAxAAAAEAAA AA

Corrected electrical code violations within Building 5A, 4th floor ceiling plenum. Corrected exposed wiring, labeled electrical components and removed unused wiring, conduit and junction boxes. Installed cover plates on junction boxes, ran conduit back to electrical panels, exposed electrical conductors were ran in 3/4" EMT conduit. All exposed telephone and data wires that were not suitable for plenum were changed.

- RA-roofn AABAAAA AA P rAAAH
MAAAI A AAAAAA porMAAAFL
EAAxAAAAEAAA AA

Project consisted of the Mechanical and Electrical drawings, schedules and Construction costs for Re-roofing of Building 5A. Elements of the design included the removal, relocation, raising fans, Plumbing Vents, Electrical receptacles, Time Clock, Lights and Conduits. Visited the site and gathered data on existing buildings, electrical and mechanical equipment and systems on the roof. Secured as built plans and data of the existing building. Disconnected electrical wiring to roof mounted exhaust fan and designed for reconnection after re-roofing.



Stephen Farquharson, LEED, AP

PrAAAMAA AA EAAtrAAAAEAA A

Hammond & Associates, Inc.

EAAAA

Bachelor of Science , Electrical Engineering
Florida Atlantic University, 2006

RAAA AA CA tification

LEED Accredited Professional



PROFILE - Stephen Farquharson is an Electrical Engineer with over 14 years of Electrical Engineering Design & Construction Administration experience. He has served as lead Electrical engineer on many of Hammond's renovation projects. His expertise includes design of UPS, fire alarm, lightning protection, lighting, and power systems. Mr. Farquharson has provided Electrical design and construction management for various of Hammond's municipal, government, and county projects. He has the expertise in managing complex projects requiring LEED design including several LEED Silver projects.

PROJECT EXPERIENCE

- ForL AAA AAAHAAwAI AAAAAA porT A AAEE A An
PAAA
ForL AAA AAAAFL
PrAAAMAA AA EAAtrAAAAEAA AA.

The general scope of the project includes the expansion of the new concourse adding eight (8) gates, demolition of the existing Concourse H, reconfiguration of the Security Screening Check Point (SSCP) and construction of the Broward County Aviation Department (BCAD) offices. Hammond & Associates provided Mechanical, Electrical, Fire Protection.

- ForL AAA AAAHAAwAI AAAAAA porT A AAAW A An
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ForL AAA AAAAFL
PrAAAMAA AA EAAtrAAAAEAA AA

The Terminal 4 modernization at FLL includes expanding the terminal area from 60,000 ft to 490,000 ft with 30 ft ceilings. It includes development of a new Concourse G with 14 gates (four new and ten from the adjoining Concourse H) for international and domestic flights. Hammond & Associates provided Mechanical, Electrical, Fire Protection.

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MAAAI AAAAAA portMAAAFL
PrAAAMAA AA EAAtrAAAAEAA AA

HA onA & AAAA A A proLAAA E AAAAAA SA LAA to AAAAA
MAAAAAAAEAAtrAAAAEAA A FAA ProtAAA A A FAA AAAM DAAA
A LAA to rA oLAA (6) AAA A rA ooms A MAAA
I AAAAA AAport. ELAAA AA AonAAA A AAA A HVAC
EA A A rAA A LAA A A spAAA to AA rA oLAA

- PorE LA AAAACAAT A AAA ,
F L AAA AAAAFLTA AAA
PrAAAMAA AA EAAtrAAAAEAA AA

Improvements include improved security screening for passengers and baggage, new check-in and passenger waiting areas, concourse improvements, new gangway system, improved ground transportation area and a longer berth amongst other improvements. The renovated terminal will allow for simultaneous embark and disembark. Hammond & Associates Mechanical, Electrical, Plumbing, Fire

- NAT AAPAAALF orL AAA AAAAAA wAI AAAAAA port,
ForL AAA AAAAFL
PrAAAMAA AAEAAA trAAAAEAAA
Provided complete engineering design for the newly relocated toll collection plaza at Fort Lauderdale International Airport. The design included an air handling unit that supplied the new administration facility and the toll booths.

- MDADT ACNA A-033ASAAA AFAAAAS I AARA oLAA
AMAAAO ALA AAEAAAAL AAAport
PrAAAMAA AA EAAAtAAAAEAAA
TAAprAAAtAA A AA rA oLAA rAA AAA A A A AAA Atwo storyTA AAA BAAAAAAA Ay
SAAA AFAAA t.TAArA oLAA AAAAA AnAwAA oA ApAA AA wAAAA AA rA-A AA A
A A AAA two-storyAAy AyAAAAAAA AAA ,AAAA nAwAAAAxtur A A AnAwAountA sA wAAA
rA oLAAA AA AAA A TAAAA sAAAAAAA AmoLAtoA AAA onAfoor A AxpA AAAtoA AAA
AAA rooms,A A AA A AAA Afight AAA Aroom.TAArA oomrA oLAA AAAAA ADA
A AAA A AA owA s.TAAfoor sA AwAAA AAwA ArAAAAAAA AA outA AAAAAAAA wAAA AAAAA
A A HVAC. HA onA & AAA A proLAAA EAAAtAAAA A A A fr A protAA AAA A LAA



Kiran Merchant

CEO

Merchant Aviation

EAAAA

Master of Urban Planning
Pratt Institute

Bachelor of Architecture, L.S
Raheja School of Architecture

RAAA AA CA tification

Council of Architecture
India, 1987

PrA essional Affiliations

American Association of Airport
Executives & Airport Conduantants
Council Steering Committee

ACRP Advisory Panels

Kiran han has over 30 years of experience in aviation planning, design and construction management in large-scale aviation projects. He is highly experienced in leading complex aviation capital projects from inception through completion, while balancing operational effi ciency, level of service and business/ fi nancial viability of airport development projects. He has worked at more than 50 airports around the world during his tenure at TWA, Continental Airlines Corporate Real Estate divisions and leading consulting fi rms in major capital improvement projects.



RAAAAK noAAAAA

- Airside and Terminal Planning
- Facility Design & Management
- Project/Program Management
- Master & Regional Planning
- Strategic & Vision Planning
- Construction Management
- Security and Baggage System
- Design & Implementation
- FAA & Building Code Compliance

PROJECT EXPERIENCE

- JFKT A AAAC A AAEEA AA AP rAAAt
PrAAAE xAAAL A
A comprehensive terminal master plan and design project to meet passenger growth demand of 35 MAP with collocated One World operations. Provided enhanced passenger experience and operational efficiencies. Developed planning and 30% architectural design plans.
- EWRT A AAAARAAA AA A
DAAAT A AAAPAAA A
A comprehensive planning study for the Replacement of existing Terminal A with new 33-Gate Domestic Terminal with associated new frontage roads, garage, consolidated rental car facility and associated enabling projects.
- DENO CAAA
PrA AAAAICAA AA
The project is a An innovative long-term Terminal Vision to work with the existing terminal facilities but fundamentally enhance the overall passenger experience, with a holistic landside solution with strategic commercial development.
- DFWT A AAAMA APAAA A
PrA AAAAICAA AA
A long-term Terminal Master Plan at DFW, in response to growth in operations and passengers demands with enhanced PAX experience, operational efficiency with improved minimum connect times for baggage and PAX Stakeholder management with Airport and American Airlines executive teams



Paul Fernandez

SAAT A AAAPAA A

Merchant Aviation

EAAAA

Bachelor of Architecture
Rensselaer Polytechnic Institute

RAAA AA CA tification

Registered Architect
New York
New Jersey

PrA essional Affiliations

American Institute of Architects

Paul is an architect with over 30 years of extensive experience in transportation master planning, design, and project management. He has over 20 years of experience at Airport Facilities divisions for the Port Authority of New York & New Jersey. Paul led large teams for the development of Terminal 4 at JFK, and the proposed new Terminal A at Newark. At the time, Terminal 4 was the Port Authority's largest public/private partnership.



RAAAAK noAAAAA

- Strategic, Vision, and Master Planning
- Terminal and Facility Planning, Design and Management
- Airport Systems (Baggage, Security) Design

PROJECT EXPERIENCE

- JFKT A AAAC A AAEEA AA AP rAAAt
SAAT A AAAPAA A
A Developed a Strategic Development plan for enhanced passenger experience that met forecasted demand for AA/One World Partners. Created a holistic and innovative design solution that was operationally efficient and financially feasible. Evaluated life cycle and O&M costs to maximize return on investment
- CDGT A AAAMA APAA
SAAT A AAAPAA A
Developed comprehensive plan of airside, landside and terminal areas. Developed and evaluated design alternatives. Incorporated multimodal and regional connectivity.
- EWRT A AAAA
MAA AAAT A AAAPAAA ADA
Developed plan for new Terminal on a Greenfield site. Managed team through the Conceptual Design and Alternatives. Featured cutting edge passenger processing concepts. Incorporated comprehensive sustainability planning
- JFKC A AMA APAA
MAA AAAT A AAAPAAA ADA
Managed a comprehensive long term air cargo development plan in partnership with NY City EDC. Created a "Cargo Village" plan for a consolidated campus of all cargo related functions and meet forecasted annual demand of 2.8M tons of cargo.
- EWRAA porMA APAA
Managed visionary Long Term Master Plan for a new EWR. Explored expanded runway, terminal, and landside expansion options. Studied new commercial and cargo areas outside the current property. Developed a Strategic Investment Strategy.



Ahmed Soua

LAAAT A AAAPAA A

Merchant Aviation

EAAAA

Bachelor's Degree
Civil Engineering, ENSAM
Paris, France

EAAAA

Master's Degree
Applied Mechanics for Construction
University of Paris VI & ENSAM
Specialization, Paris France

Acivilengineerandprojectmanagerwith25years'experiencefocusedonpassengerterminalplanninganddesign, Ahmed Soua is leading the Airport Planning Department at MAV-ADPi. Previously, Ahmed served as director for competition-winningterminaldesignsatBeijing-Daxing, Chengdu-Tianfu, and Chongqing-Jiangbei airports, and served as project director for the new passenger terminal complex at Al Maktoum International Airport in Dubai.



RAAAAK noAAAAA

- Terminal Planning and design
- Project Design management and strategic leadership
- Airport planning and design

PROJECT EXPERIENCE

- DENOC AAAAAorPAAA A
SAAP rAAAMAA AA
A Developed Program Defi nition Report for long-term terminal vision to meet growth in passengers and operations demand. Led the development of terminal complex concepts. Responsible for day-to-day management, deliverables and coordination of all project team members
- BAAAANA I A AAAAA port
SAAP rAAAMAA AA
Managed the New Beijing International Airport, that will eventually serve over 100 million passengers, making it one of the world's largest airports. Responsible for all deliverables and coordination of all project team members for the duration of project.
- DFWT A AAAMA APAAA A
SAAP rAAAMAA AA
Developed a long-term vision for the Passenger Terminal Area at DFW, in response to growth in operations and passengers. Improved passenger experience, connect times and operational effi ciency, in particular for baggage connectivity. Worked closely with AA network planning, customer experience and corporate real estate departments to integrate airport components.
- JFKT A AAAC A AAEEA AA
PrA ADA Aator
Created a comprehensive terminal master plan and design project to meet passenger growth demand of 35 MAAP with collocated AA/BA (One World) operations. Provided enhanced passenger experience and operational effi ciencies. Developed planning and 30% architectural design plans. Coordinated with the Port Authority and the consulting team. Delivered project on time and on budget.



Jérôme Lamour

SAAAA porS ystAE A P rAAAMAA AA

Merchant Aviation

EAAAA

Mechanical Engineer
Institut Francais de
Mecanique Avancee (IFMA)
Clemmont-Frrrand, 1997

After overseeing the commissioning of two large-scale baggage handling systems at Charles-de-Gaulle Airport, Jérôme Lamour has served since 2004 as on-site project manager for ADPI in Dubai, UAE and Amman, Jordan. He has been responsible for the successful start-up of one of the world's largest BHS at Dubai T3/C2 as well as the design and commissioning of the Queen Alia Airport BHS and special airport systems in Amman. He is now the project manager for Satellite 3 and Satellite 4 BHS in CDG airport in charge of supervision and commissioning of the BHS and related building equipments.



RAAAAK noAAAAA

- Jérôme's extensive on-site experience is invaluable given the complex nature of BHS implementation. In addition to an expert knowledge of BHS processes, he has a capacity for effective management of the project team and coordination with clients, fabricators, installers and other partners.

Additionally, he is a key expert in commissioning implementation plan on several ADPI projects

Jerome is the head of System department since 2017.

PROJECT EXPERIENCE

- AA ABHSE xtAAA ARAA AAA A
AA AAA portG AA#AIA 018-2022
Extension and integration EDS Standard 3 in BHS: Project manager for Contractor selection, Site supervision and commissioning
- TA AAAE xtAAAQ AIA
QAAALAAI A AAAAAA portAAJ AA
Extension and integration EDS Standard 3 in BHS : Project manager for Design, Contractor selection, Site supervision and commissioning
Client: J&P (Main Contractor), 2016-2018
- SAASA LAAA SA AAXX BHSP rAAAts
CDGAA porP A AF rA AA
Main project features: BHS (Beumer Alstef for TDS3, Siemens for TBS4), EDS (Rapiscan), MEP - Construction cost: 200 Million Euros
Project manager for Contractor selection, supervision and commissioning of new BHS, including EDS integration and MEP works. Management of a team of 26 people with a budget of 20 Millions euros over 5 years.
Client: ADP, Date: 2014-2020



Robert McConnell, P.E

PA AA ADAAAP rA AAAA

WGI.

EAAAA

Bachelor of Civil Engineering
Georgia Institute of Technology

Master of Science,
Civil Engineering
Georgia Institute of Technology

RAAA AA CA tification

LEED Green Associate

Parksmart Advisor

PrA essional Affiliations

American Society of Civil Engineers,
MASCE

Florida Parking & Transportation
Association

International Parking & Mobility
Institute



PROJECT EXPERIENCE

- ATLHA tsfield JaAAA AAAI A AAAAAA port
College Park, GA

Principal, Project Manager

Since the mid 1990s, WGI has provided master planning, parking consulting, and parking structure design services to the Atlanta Hartsfield International Airport. In 2010, WGI provided peer review and functional design for the new precast concrete remote parking structure at the International Terminal. In 2013, Rob led WGI's team to provide master planning and parking structure conceptual design services for the 14,000-space West Parking Deck, 13,300-space North Parking Replacement Deck, and 14,800-space South Parking Replacement Deck. The North/South deck design concepts included plans to enlarge deck footprints, add another level of parking, and bring capacities to 15,100 and 17,200 spaces.

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- CAAAAAFA AGA

PrA AAAAPrAAAMAA AA

Rob served as design principal for WGI, providing parking consulting services associated with the expansion of Concourse T. The resulting realignment of the terminal roadway required reconfiguration of the North Terminal long-term surface parking lot and parking exit plaza. As part of our services, WGI consulted on the parking layout; entry/exit flow and capacity; access and revenue control system (PARCS); and management of rideshare vehicles.

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- PrA AAAAPrAAAMAA AA

M AC ountyFL

WGI provided parking planning, design, and consulting services for siting and configuration of parking for employees and rental car operations at Norfolk International Airport. Key among the challenges was maintaining ongoing airport operations and minimizing disruption during the various phases of construction. The resulting recommendations included a new 3,200-car, nine-level Garage D for long-term passenger and employee parking and reconfiguration of Garage A for consolidated rental car operations. WGI provided design services for both Garage A and D, including vehicle access, EV charging, parking layout/circulation, signage, and waterproofing, drainage, and durability.

PROFILE - Rob is a managing principal, responsible for new parking structure design, parking consulting, and structural engineering. His parking design and consulting encompasses work with airport, governmental, military, transit, higher education, resort, healthcare, and corporate clients. Rob led the design for the shuttle bus parking lots throughout metro Atlanta for the Centennial Olympic Games, and he managed the design of the Detroit Tigers Comerica Park parking structure. He completed the preliminary design of Atlanta airport's new parking structures, which accommodate more than 30,000 cars; the largest garages in the United States. He is well versed in precast concrete, cast-in-place, and steel construction. Rob's experience also includes restoration, parking study, and programming projects. Several of his projects received LEED Certification, including Colorado State University's Lake Street parking facility, which received LEED Gold. As garage design, construction, and operating practices have evolved to GBCI's Parksmart certification standard, Rob has remained a leader of practical, sustainable design for all parking projects.



John Abbott, PG, CEP

E LAonmAAAA A ARA AAAAA

WGI.

EAAAA

Bachelor of Science, Geology
Virgin Tech, 1992

Master of Science, Geology
New Mexico Tech, 1995

RAAA AA CA tification

Professional Geologist: Florida
#PG2401, 2018

Certified Environmental Professional

FDEP Stormwater Professional
Inspector #25672

PrA essional Affiliations

Florida Association of Environmental
Professionals, Board of Directors



PROFILE - John has diverse experience in environmental consulting, including contamination remediation, wetland mitigation, wildlife surveys, environmental planning, NEPA, and permitting. He has been a project manager on multi-million-dollar environmental projects. John is active in the environmental community; he serves on the Board of Directors of the South Florida Association of Environmental Professionals.

PROJECT EXPERIENCE

- BCDACAAA ACAA AAAA AAAAA ports

Ft Lauderdale, FL

Environmental Scientist

Environmental Scientist for an assessment of potential effects of climate change on environmental conditions at the Fort Lauderdale-Hollywood International Airport and the North Perry Airport. The report evaluated potential effects of sea level rise on wetlands, water quality, flooding, storage tanks, contaminated sites, and salinity in irrigation wells. John also evaluated potential changes in the number of bird strikes by aircraft.

- PAABA AAAI A AAAAAA porB roA AOAS LARAAAAA

Palm Beach County, FL

CA A AAA tE LAonmAAASAAAA

John was the lead environmental scientist for burrowing owl surveys and relocation at Palm Beach International Airport. John conducted daytime and nighttime surveys, marked burrows to prevent accidental damage during construction, provided consulting services for the airport to obtain a FWC relocation permit, and relocated two burrows. Permit LSNR-12-00087.

NALAAAASAAK AW AD AAEIS

Monroe County, FL

E LAonmAAASAAAA

- the EIS for potential impacts to the natural environment and socioeconomic resources of the County. One of the key issues was aircraft noise.

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Palm Beach County, FL

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John secured approvals from FDEP and developed a soil management plan to allow development of this parcel despite agrichemicals in the soil and arsenic in the groundwater. The innovative soil management plan involved soil reuse from a dry detention basin in the right-of-way of a County road. WGI also prepared a modification to the Declaration of Restrictive Covenant.

NEPAE LA nmAAAA A AA W A AwA AT rAA APAA

Broward County, FL

This was a NEPA Environmental Assessment for a new wastewater treatment plant. It included a comprehensive assessment of natural resources, cultural resources, and physical resources.



Amanda Montgomery, PWS

E LAonmAAAA A AP AA AA

WGI.

EAAAA

Bachelor of Science, Biology
Illinois State University, 2009

Master of Science, Marine Biology
Nova Southeastern University, 2016

RAAA AA CA tification

FDEP Stormwater Management
Inspector

Professional Wetland Scientist

PrA essional Affiliations

South Florida Association of
Environmental Professionals



PROFILE - Amanda is a Professional Wetland Scientist. She is also certified by the Florida Department of Environmental Protection (FDEP) as a Stormwater, Erosion, and Sedimentation Control Inspector and is certified by the American Academy of Underwater Sciences (AAUS) as a Scientific Diver. Prior to joining WGI, she was a staff biologist for FDEP where she developed expertise in wetland delineations and environmental permitting. Her area of expertise is in environmental resource permitting.

PROJECT EXPERIENCE

- SAARA F ARAHA AASA A
Palm Beach County, FL
Amanda assisted with environmental services including wetland delineation and preparation of an application for an Environmental Resource Permit from the South Florida Water Management District, as well as an application for Section 404 Dredge & Fill Permit from the U.S. Army Corps of Engineers.
- ORCATT oWA
Broward County, FL
CA A AAA tE LAonmAAASAAAA
For this tower replacement project, Amanda conducted an environmental review of natural, cultural and historical resources, and prepared a report to support a Conservation Management Plan. There were burrowing owls around the tower, so Amanda conducted a specific survey for burrowing owls and guided the avoidance and minimization of impacts.
- DAAAAADAA AAIAA ARA ts
Keys/ Overseas Highway, Monroe County, FL
E LAonmAAASAAAA
Amanda conducted site visits at 20 locations that were damaged by Hurricane Irma in 2017. She determined wetland jurisdictional limits in the areas of proposed restoration areas. She assisted with drone video/photo-documentation.
- FDOTDA AW AA AE LA mAAAP AA A AContraAt
Amanda provides support to FDOT District 6 as an environmental permits reviewer on this 5-year \$1.5M contract. She reviews plan drawings and reports at the various project schedule stages to ensure compliance with environmental permitting requirements under local, state, and federal regulations. This contract requires close coordination with Right-of-Way, Utilities, Drainage, Maintenance, Environmental, Planning, Landscape, Design, and Construction personnel. Amanda represents FDOT D6 when attending design production meetings, and has provided an ever increasing support role to the Assistant District Environmental Permits Coordinator.
- TAAS AAPSAA
Palm Beach County, FL
The city is conducting a major replacement of pump station on the intercoastal canal. Amanda conducted the benthic survey for seagrasses and is obtaining the environmental permits from the SFWMD and USACE.



Eric Matthews, PSM

GA AAAA

WGI.

EAAAA

Bachelor of Science, Geomatics
University of Florida, 2009

RAAA AA CA tification

Professional Surveyor/ Mapper
Florida #LS6717, 2009

CSX Safety

PrA essional Affiliations

Florida Surveying and Mapping
Society

National Society of Professional
Surveyors



PROJECT EXPERIENCE

PROFILE - Eric's experience covers all aspects of surveying, ranging from the field to the office. He has more than a decade of experience in land development, with clients in both the private and public sector, including numerous federal, state, and local agencies. In addition to his professional surveying experience, Eric is the past president and an active member of the Indian River Chapter of the Florida Surveying and Mapping Society.

- MAAAI AAAAAA porC A AAT AAF AAAARA oLAASA
Miami Dade County, FL

WGI collected 3D laser scans of the North, South, and Central Terminals as MIA planned to renovate the central terminal façade to match the upgraded façade along its north and south terminals. WGI coordinated with Miami-Dade Aviation Department (MDAD) for security clearances to collect scan data on airport property. Static scans were taken under the covered walkway as well as out front to capture the existing façade and roofline of the terminals. A mobile scan was performed to capture an overall depiction of the terminals as well as to verify the registration process of the individual scans. Once a unified registered point cloud was created and checked, the scans were loaded into Revit where the BIM team could begin modeling the structure. Walls, columns, and ceilings were modeled to create the skin of the building. Custom families were created to correctly model the current façade and pedestrian bridges. Fire alarms, lights, switches and outlets were added last to give the client a precise model to work from

- OAAARAAACAAAA porD AAAADAAAA AS Lay
Monroe County, FL

Eric was responsible for coordination of survey crews and technical staff to prepare an as-built survey in preparation for the final engineering acceptance and certification process. The existing airstrip within the Ocean Reef Club in Key Largo, Florida experiences extreme flooding in the rainy season. A review of the existing system showed that the exfiltration trench utilized at this location and its low grade combine to have a water table which is above the airstrip tarmac for a portion of the year. A closed drainage system operated by a pump to an above-ground storage area was selected as the appropriate solution for the property. WGI services included engineering and surveying services.

- SAArA F ARAHA AASA A
Palm Beach County, FL

WGI provided survey services for this project, including locating, checking, and establishing horizontal and vertical control; locating visible above-ground improvements; obtaining spot elevations on an approximately 50-foot grid; preparing a topographic survey; and final review and signature by a Professional Surveyor and Mapper.



Radoslaw Grabowski

SUE Project Manager

WGI.

Education

Associates of Arts
Palm Beach State College, 2012



PROFILE - Radek's project experience includes work on major highway projects, as well as urban and local roadways. He is responsible for a wide variety of surveying and SUE assignments including plans preparation, design surveys, and survey calculations related to route surveys. Radek is also responsible for utility coordination and preparation of utility location surveys, including 3D modelling of existing utilities, and conflict analysis. He is proficient in the use of computer automated drafting (MicroStation, AutoCAD), and global positioning systems.

PROJECT EXPERIENCE

- **Key Largo Anglers Club- Staff Housing**
Monroe County, FL
Radek provided ASCE 38-02 QLA field investigation and ASCE 38-02 QLB utility investigation, in order to determine the horizontal location of existing utilities. WGI provided survey and location of utility test holes using network corrected GNSS surveying methods and provided an updated utility CADD file depicting the location of the test holes and corresponding utility data.
- **AET Polk Parkway, MP 0 to MP 18- Two 4**
Polk County, FL
Radek was the phase manager for SUE. WGI provided survey, SUE, and utility coordination for the All Electronic Tolling Conversion of Polk Parkway from MP0 to MP 18.
- **Ocean Reef Club- Proposed Town Hall Parking Expansion**
Monroe County, FL
Radek conducted an ASCE 38-02 Quality Level B utility investigation to determine the horizontal location of existing utilities. WGI provided professional services for the expansion of the Club's existing surface parking lot, requiring the design of new stormwater drainage, outdoor lighting, charging stations, landscaping, and pedestrian paths. WGI designated the subsurface utilities in the areas of the existing and proposed parking and pedestrian paths.
- **910 South Ocean Blvd**
Palm Beach County, FL
SUE Services Manager
Radek provided an ASCE 38-02 Quality Level B utility investigation in order to determine the horizontal location of existing utilities for purposes of QLA investigation. His services included direct induction of toneable subsurface utility facilities from surface accessible features, and ground penetrating radar. In addition, he provided up to 12 test holes and data, digital photos, utility description, depth, size, type, direction, and material of the facility. A 12,855-square foot luxury residential structure will be constructed in Palm Beach, Florida. The residence will



Christian Stewart

Senior Mobile LIDAR Specialist

WGI.

Education

Surveying and Mapping
Technology
Atlantic Technical Center, 2006

Registration/Certification

CSX Safety
OSHA 30 our Construction Safety
and Health



PROFILE - Christian is responsible for a variety of surveying assignments including plans preparation and survey calculations related to route surveys, boundary surveys, topographic surveys, and as-built surveys. He is proficient in the use of Global Positioning Systems (GPS), automated data collection, and is familiar with a variety of total stations and digital levels. He is also proficient in the use of Leica Pegasus 2 terrestrial mobile LiDAR, Leica Pegasus Backpack LiDAR, Reigl VUX UAV LiDAR, Static LiDAR, and is responsible for collection, processing, and extraction of data. Christian's project experience includes work on major environmental restoration projects, construction surveys, highway design projects, and urban and local roads.

PROJECT EXPERIENCE

- **Pump Station S-5A Laser Scan, South Florida Water Management District Palm Beach County FL**
GI was responsible for the survey control, set-up and location coordination to perform laser scanning of the main pump and generator room for the 4,800 CFS, S-5A pump station located north of the SFWMD Water Conservation Area 1 (WCA1). The laser scan data provided the District with an accurate and detailed representation of the existing mechanical and electrical facilities in the pump room that can be used to propose design modifications and upgrades to the pump station. Due to the critical nature of this pump station and its operational status, WGI was required to obtain the scanning data without having to take the pump station out of operation. Final deliverables were registered classified point clouds and AutoCAD MEP design files
- **Palm beach International Airport Runway 12/31 Laser Scanning Palm Beach County, FL**
WGI laser scanned Runway 13-31 at Palm Beach International Airport to detect imperfections in the runway surface. A Digital Terrain Model of the detailed scan data was generated and used for resurfacing calculations. The project was performed during the overnight period (11:30 PM to 5:00 AM) while no flights were scheduled, and required coordination with Homeland Security and Air Traffic Control..
- **Malcom Randall VA Medical Center Building Information Model Alachua County, FL Palm Beach County, FL**
WGI provided static and terrestrial mobile LiDAR data collection to develop a Building Information Model (BIM) of exterior and interior facility infrastructure. The full exterior extents of the hospital and grounds were scanned using a combination terrestrial and terrestrial mobile LiDAR (laser scanning) techniques. In the facility interior, the piping, electrical facilities, and ducts were scanned in rooms, hallways, and the building roof as per the direction of the client. WGI's deliverables included AutoCAD MEP files depicting specific mechanical/electrical details, and raw classified LiDAR data for conversion to BIM by the client. Subsurface utilities were also designated, located and included in the BIM.



Tom Mullin, P.E

Chief Geotechnical Engineer

RADISE International L.C

Education

Master of Science,
Civil/ Geotechnical Engineering
University of Illinois

Registration/Certification

Registered Professional Engineer
Florida #43366,

Mr. Mullin has 43 years of geotechnical engineering experience including water resources engineering including ports and harbors, dams and reservoirs.



PROFILE - Mr. Mullin has served as Chief Geotechnical Engineer on numerous projects for private and public clients including the South Florida Water Management District (SFWMD), United States Army Corps of Engineers (USACE) and Florida Department of Transportation (FDOT).

Mr. Mullin has also managed geotechnical engineering projects involving major high-rise towers, commercial buildings, power generating and industrial facilities, as well as transportation and landfill projects in Florida, Puerto Rico and the Caribbean.

He provides quality assurance and quality control; materials testing engineering services including soils, foundations, and geotechnical investigations; vibration monitoring; materials and systems testing; and structural and special assessments testing services.

His skills include foundation design and construction, backfilling, test programs, quality control testing procedures and documentation, installation and evaluation of geotechnical monitoring instrumentation, vibration monitoring and pile load testing. He provides quality assurance oversight; CEI documentation; construction surveillance, inspection and testing; and technical peer review

PROJECT EXPERIENCE

- G420 and 422 Pump Station Canal Sediment Probing and Inlet Conveyance Flow Modification Designs, Palm Beach County, FL Geotechnical Engineering Design and Testing Services.
- C-43 Reservoir Early Start, Palm Beach County, FL Geotechnical Engineering and Testing Services.
- S9 & S9A New Bridge/Trash Rake Design and Misc. Pump Station Refurbishments Geotechnical Investigations, Engineering Design and Construction Material Testing Services.
- S-151 Culvert Structure Replacement and Automation, Broward County, FL Geotechnical Investigations, Engineering Design & Engineering During Construction support for the replacement of a deteriorating 5-barrel cnp culvert with steel sheet piles end walls.
- New S-333N Spillway Structure Design and Construction, Dade County, FL Geotechnical Investigations, Engineering Design & Engineering During Construction support for the construction of a new supplemental 1150 cfs spillway structure to complement existing flows of 1350 cfs to the Tamiami Canal in support of CERP flow improvements to the Everglades National Park.
- Ft. Lauderdale Field Station O/H Crane Replacement, Broward County, FL Geotechnical Investigations, Engineering Design for the replacement/upgrade of two overhead cranes interior to the existing maintenance structure
- District Standard Design Details Development – Monitoring Platforms, Districtwide Geotechnical Engineering Design & Standardized Design Detail Development Support Services.



Andrew Nixon, P.E

Senior Geotechnical Engineer

RADISE International L.C

Education

Bachelor of Science,
Ocean Engineering
Florida Atlantic University

Registration/Certification

Registered Professional Engineer
Florida #71458

OSHA 40-Hour Health and Safety
OSHA, 29 CFR 1919.129 (HAZWOPER)

Professional Affiliations

Florida Engineering Society

National Society of Professional
Engineers

Mr. Nixon has 15+ years of experience including providing Environmental, Geotechnical and Construction Materials Testing Services for low and high-rise structures, single family residential developments, bridges, piers, buried structures, transmission towers, silos, roadways, etc.



PROJECT EXPERIENCE

PROFILE - Mr. Nixon prepares and reviews geotechnical and materials engineering inspection reports, coordinates and supervises engineering staff and drilling personnel, and conducts foundation observations, foundation design reviews and geotechnical instrumentation monitoring.

Mr. Nixon's skills include also completing and supervising pile inspections, helical pier inspections, fireproofing inspections, load tests, and monitoring specialty ground improvement techniques such as vibrocompaction, vibro-replacement and dynamic compaction. He has conducted and supervised several Preconstruction Video Surveys and Vibration Monitoring Programs.

He has provided oversight of field and laboratory testing programs during the construction phase of a variety projects and supervised other engineers in the Construction Materials Testing Department. The testing programs typically included the performance of earthwork inspections, field and laboratory testing of soils, and field sampling of concrete. Mr. Nixon has also inspected and supervised testing programs during the construction of various roadway projects.

- SFWMD STA-1 West Expansion Area 1, Palm Beach County, FL Senior Project Engineer – Provided subsurface explorations and geotechnical engineering services and materials testing services for the Contractor. Work included driven pile analyses, cofferdam and dewatering design, slope stability, etc.
- USACE Kissimmee Oaks/Oxbow Wetland Restoration Project, Okeechobee County, FL Senior Project Engineer – Provided geotechnical engineering services and materials testing services for USACE.
- SFWMD S-140 Pump Station Project, Broward County, FL Senior Project Engineer – Provided subsurface explorations and geotechnical engineering services for the proposed pump station improvements including a new bridge. Also, provided construction engineering and inspection services for the SFWMD during the construction phase of the project.
- FDOT Broward MPO – Lauderdale Lakes Greenway (NW 39th Street), Broward County, Florida Senior Project Engineer – Provided geotechnical engineering services for the design of decorative lighting on east side of SR-5/US-1 from 11th street to 27th street, and the design of noise wall along I-95.
- FDOT SR-25/US-27 from the Broward/Palm Beach County Line to MP 12.599, Palm Beach County, Florida Senior Project Engineer – Provided geotechnical engineering services for roadway improvements, which included milling, resurfacing, shoulder widening, and installation of rumble striping, replacement of guardrail and upgrading signing and pavement markings.
- SFWMD Miller Weir #3 Replacement Project, Collier County, FL Senior Project Engineer – Provided subsurface explorations and geotechnical engineering services for the proposed weir structure with new concrete box culvert.



Akash Bisoon, P.E

Geotechnical Engineer

RADISE International L.C

Education

Bachelor of Science,
Civil Engineering
Florida Atlantic University

Registration/Certification

Registered Professional Engineer
Florida #74582

CTQP Quality Control Manager
Florida Department of Transportation

Professional Affiliations

Qualified Storm Water Management
Inspector
Florida Department of
Environmental Protection #16155

Mr. Bissoon has 14 years of geotechnical engineering experience including providing project management for a wide range of work involving geotechnical, environmental and civil engineering. He is skilled in the preparation of specifications for foundations, roadway work, storm water management systems and water distribution systems.



PROJECT EXPERIENCE

- C-44 Reservoir System Discharge located in Martin County, Florida. Project Engineer - As Prime Consultant for this ongoing contract, the work includes providing districtwide materials field and lab testing services.
- Lake Hicpochee Dispersed Water Management Plan located in Glades and Hendry Counties, Florida. Project Engineer - As Prime Consultant for this contract, the work includes providing districtwide materials field and lab testing services.
- Broward Mobility in Broward County, Florida (FM No.: 433165-1-32-01), research and testing for drainage features. Field exploration/testing and laboratory testing.
- SR-817(University Drive) from Nova Drive to the ramp to I-595 in Broward County, Florida (FM No.: 429366-1-52-01), Research and testing for drainage features.
- Nottingham & US1 Jack and Bore, West Palm Beach, Florida, geotechnical study to support a Jack and Bore under US1 for the replacement of existing underground utilities along Nottingham Boulevard.
- 7th Street & CSX RR Jack and Bore, West Palm Beach, Florida, geotechnical study to support a Jack and Bore under the CSX railroad for the replacement of existing underground utilities along 7th Street.
- PD&E Study for SR-9/I-95 from south of High Meadows Road to North of Becker Road in Martin and St. Lucie Counties, Florida (FM No.: 422681-1-22-01), approximately 13 miles of research and testing for drainage features.
- S-842 (Broward Boulevard) - Structure Investigation for Bridge Replacement, Broward County, FL. Senior Geotechnical Engineer -- Oversight including field exploration/testing and laboratory testing. Construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall.

PROFILE - Mr. Bissoon is knowledgeable in current FDOT, ASTM and AASHTO standards applicable to design and materials testing, and is skilled at conducting materials investigations through the construction completion-certification stage. He works on projects from the initial modeling-specification stage, through the planning, designing and drafting stages.

Mr. Bissoon has served as a Senior Geotechnical Engineer on projects for clients including the Florida Department of Transportation (FDOT), Broward County Aviation Department, South Florida Water Management District (SFWMD) and the US Army Corps of Engineers (USACE).



Aida M. Curtis

Principal/ Landscape Architect

Curtis + Rogers Design Studio, Inc.

Education

Bachelor of Science
Landscape Architecture
Texas A&M University

Registration/Certification

-Registered Landscape Architect
In the state of Florida
LA 0001330

Professional Affiliations

-Member- The American
Society of Landscape Architects

-International Society of Arboriculture
Certified Arborist

Ms. Curtis has over 35 years of experience on a variety of project types including park design, urban design and corporate/commercial design. Ms. Curtis' strong management and technical skills have produced many outstanding projects. She has worked on a number of multidisciplinary teams and has been responsible for producing complex bid packages.

PROJECT EXPERIENCE



CURTIS + ROGERS DESIGN STUDIO

PROFILE- Ms. Curtis specializes in seeking consensus in complex multi-disciplinary projects. Through effective communication skills, Ms. Curtis navigates through layered issues by illustrating alternatives and addressing specific concerns with multiple interested parties. Her ability to present ideas and analyze multiple solutions has been a key skill in achieving overall consensus. Her experience in public projects has provided her with a depth of knowledge and strategies that can be utilized during Community Input and Public Involvement sessions.

● Civic Experience

- American Airlines Arena;
Miami, Florida
- Benjamin P. Grogan and Jerry L. Dove Federal Building;
Miramar, Florida
- Doral Design District Master Plan
Doral, Florida
- Ft. Lauderdale/Hollywood Airport Consolidated Rental Facility;
Hollywood, Florida
- Fort Pierce Courthouse
Fort Pierce, Florida
- Historic Overtown Streetscape-NW 3rd Ave
Miami, Florida
- Jackson Memorial Hospital North Master Plan
North Miami, Florida
- Jackson Memorial Hospital South Campus
Miami, Florida
- Leon Medical Center-Midway Clinic, Flagler Street
Miami, Florida
- Little Haiti Cultural Center
Miami, Florida
- Miami International Airport- Central Boulevard Improvements
Miami, Florida
- Miami International Airport- Toll Plaza Improvements
Miami, Florida
- Miami Marine Stadium Renovation
Miami, Florida
- Miami World Center Convention Hotel
Miami, Florida

● Streetscape + Transportation Experience

- City of Miami Flagler Streetscape
Miami, Florida
- Coconut Grove Business Improvement District Enhancement
Coconut Grove, Florida
- Coral Gables Tree Succession Project



Jennie Rogers, RLA

Principal/ Landscape Architect

Curtis + Rogers Design Studio, Inc.

Education

Bachelor of Science Studio Art
Skidmore College

Masters of Art Education
Florida International University

Registration/Certification

-ISA Certified Arborist
FL-6795A

Professional Affiliations

-Memeber- The American
Society of Landscape Architects

-International Society of Arboriculture
Certified Arborist

Ms. Rogers has been with C+R since 2005, and became a partner in 2016. She earned her Master's Degree in Landscape Architecture following a notable career as a nationally certified fine arts teacher of 16 years, and has been managing projects at C + R for over 10 years.



CURTIS + ROGERS DESIGN STUDIO

PROJECT EXPERIENCE

● Civic Experience

- Aventura Arts & Cultural Center
Aventura, Florida
- Benjamin P. Grogan and Jerry L. Dove Federal Building
Miramar, Florida
- Broward County Courthouse
Fort Lauderdale, Florida
- Broward Children's Reading Center + Museum
Davie Florida
- Broward Health Coral Springs Expansion
Coral Springs, Florida
- Ft. Lauderdale/Hollywood International Airport Terminal 1
Ft. Lauderdale, Florida
- Hialeah Gardens Brach Library
Hialeah, Florida
- Jackson Hospital North - Master Plan & Various Improvements
- Jackson Memorial Hospital South Expansion;
Miami, Florida
- Link @ Douglas Station
Miami, Florida
- Little Haiti Cultural Center
Miami, Florida
- Miami Dade Mental Health Diversion Facility
Miami, Florida
- Pembroke Pines Civic Center
Pembroke Pines, Florida
- Pinecrest Community Center Expansion
Pinecrest, Florida
- Pompano Beach Library
Pompano Beach, Florida
- Seventh Avenue Transit Village
Miami, Florida
- South Florida Water Management District Homestead Field Station,
Homestead, Florida
- South-Dade Water Reclamation Plant;
Miami, Florida

PROFILE- Ms. Rogers has worked on many projects types such as parks/recreation, transportation, civic, educational, commercial, and residential. Ms. Rogers has also been an adjunct professor at the FIU College of Architecture. Since joining the C + R family, Ms. Rogers has served in all areas of work from design to construction administration for multiple high-profile projects. She contributes her expertise in habitat and urban design as a Registered Landscape Architect, an ISA Certified Arborist, and extensive experience with LEED design.



Julio Persivale

Landscape Architect

Curtis + Rogers Design Studio, Inc.

Education

American Technical Institute
CADD Technician



CURTIS + ROGERS DESIGN STUDIO

PROFILE- Mr. Persivale has over 20 years of landscape architectural experience. Mr. Persivale is proficient in the use of AutoCAD, and multiple drawing programs. He has been responsible for the drawing and multi-disciplinary coordination for various projects. At Curtis + Rogers he is responsible for developing drawing and file conventions, and coordination of all file management systems. In addition, Mr. Persivale has extensive experience in irrigation design for both drip and conventional irrigation. Julio has been designing irrigation systems utilizing top water conservation practices following LEED principles.

PROJECT EXPERIENCE

● Civic Experience

Broward Courthouse, Fort Lauderdale, Florida
Broward Fire Station 49; Broward County, Florida
Ft. Lauderdale/Hollywood Airport Consolidated Rental Facility; Hollywood, Florida
Hialeah Garage; Hialeah, Florida
Jackson Memorial Hospital-South Campus; Miami, Florida
Leon Medical Center-Midway Clinic; Miami, Florida
Leon Medical Center-Kendall; Miami, Florida
Miami Children's Museum; Miami, Florida
Miami Dade Children's Courthouse; Miami, Florida
Miami Gardens Community Center; Miami Gardens, Florida
Miami International Airport; Miami, Florida
South Dade Cultural Center; Miami-Dade County, Florida
St. Stevens Church; Miami, Florida
St. Thomas Episcopal School and Parish; Miami, Florida
Tamarac Library; Tamarac, Florida
Weston Library; Weston, Florida

● Transportation Experience

41st Street Middle Beach Beautification; Miami Beach, Florida
Alton Road Median Enhancements; Miami Beach, Florida
Campbell Drive Interchange; Homestead, Florida
Central Boulevard Improvements - Miami International Airport; Miami, Florida
FDOT - 195 HOV Lanes; Broward County, Florida
FDOT - Palmetto-NW 36th Street; Miami-Dade County, Florida
FDOT - Sawgrass Expressway Widening, Broward County, Florida
FDOT- SR7 NW 7 Ave from NW 131 Street to 118 Street; North Miami, Florida
Grand Avenue Streetscape; Coconut Grove, Florida
MDX - 836 Toll Plaza; Miami-Dade County, Florida
Miami Beach Streetscape; Miami Beach, Florida
Normandy Isle and Normandy Streetscape; Miami Beach, Florida
Port of Miami Entrance Roadway; Port of Miami, Florida
South Dade Busway - MDTA; Miami-Dade County, Florida
South Corridor (South Dade Transitway) Rapid Transit Project; Miami-Dade, Florida

D REFERENCES.

D

VENDOR REFERENCE FORM



Bid PNC2120437P1

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120437P1 Professional Consulting Services for FLL and HWO Airports, Building Projects

Reference for: Perez & Perez Architects Planners

Organization/Firm Name providing reference:

Lemartec Corporation, a MasTec company

Contact Name: Guillermo García-Tuñón Title: VP - Sr. Director Reference date: 3/23/2021

Contact Email: ggtunon@lemartec.com Contact Phone: (305) 970-8965

Name of Referenced Project: LAN Cargo MRO at Miami International Airport – Miami, FL

Contract No.	Date Services Provided:	Project Amount:
13108	5/2014 to 8/2015	\$15,000,000

Vendor's role in Project: Prime Vendor Subconsultant/Subcontractor

Would you use this vendor again? Yes No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

This project consisted of the design and construction of a maintenance, repair and overhaul facility located at Miami International Airport. The project features a 96,000 SF maintenance hangar with a three-story office area. 51,000 SF houses a single aircraft (the Boeing 777) while the remaining 45,000 SF houses the hangar's administrative offices.

Please rate your experience with the referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
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1. Vendor's Quality of Service				
a. Responsive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Timeliness of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Project completed within budget	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Cooperation with:				
a. Your Firm	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Subcontractor(s)/Subconsultant(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Regulatory Agency(ies)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional Comments: (provide on additional sheet if needed)

Our respective construction and design teams worked proactively in unison to achieve the client's vision and budget for successful completion of this project.

THIS SECTION FOR COUNTY USE ONLY

Verified via: EMAIL VERBAL Verified by: _____ Division: _____ Date: _____

All information provided to Broward County is subject to verification. Vendor acknowledges that inaccurate, untruthful, or incorrect statements made in support of this response may be used by the County as a basis for rejection, rescission of the award, or termination of the contract and may also serve as the basis for debarment of Vendor pursuant to Section 21.119 of the Broward County Code.

E

INSURANCE REQUIREMENTS

Supplier: Perez & Perez Architects Planners, Inc.

**Standard Instructions to Vendors
Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

Vendors are instructed to read and follow the instructions carefully, as any misinterpretation or failure to comply with instructions may lead to a Vendor's submittal being rejected.

Vendor MUST submit its solicitation response electronically and MUST confirm its submittal in order for the County to receive a valid response through BidSync. Refer to the Purchasing Division website or contact BidSync for submittal instructions.

A. Responsiveness Criteria:

In accordance with Broward County Procurement Code Section 21.8.b.65, a Responsive Bidder [Vendor] means a person who has submitted a proposal which conforms in all material respects to a solicitation. The solicitation submittal of a responsive Vendor must be submitted on the required forms, which contain all required information, signatures, notarizations, insurance, bonding, security, or other mandated requirements required by the solicitation documents to be submitted at the time of proposal opening.

Failure to provide the information required below at the time of submittal opening may result in a recommendation Vendor is non-responsive by the Director of Purchasing. The Selection or Evaluation Committee will determine whether the firm is responsive to the requirements specified herein. The County reserves the right to waive minor technicalities or irregularities as is in the best interest of the County in accordance with Section 21.30.f.1(c) of the Broward County Procurement Code.

Below are standard responsiveness criteria; refer to **Special Instructions to Vendors**, for Additional Responsiveness Criteria requirement(s).

1. Lobbyist Registration Requirement Certification

Refer to Lobbyist Registration Requirement Certification. The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

2. Addenda

The County reserves the right to amend this solicitation prior to the due date. Any change(s) to this solicitation will be conveyed through the written addenda process. Only written addenda will be binding. If a "must" addendum is issued, Vendor must follow instructions and submit required information, forms, or acknowledge addendum, as instructed therein. It is the responsibility of all potential Vendors to monitor the solicitation for any changing information, prior to submitting their response.

B. Responsibility Criteria:

Definition of a Responsible Vendor: In accordance with Section 21.8.b.64 of the Broward County Procurement Code, a Responsible Vendor means a Vendor who has the capability in all respects to perform the contract requirements, and the integrity and reliability which will assure good faith performance.

The Selection or Evaluation Committee will recommend to the awarding authority a determination of a Vendor's responsibility. At any time prior to award, the awarding authority may find that a Vendor is not responsible to receive a particular award.

Failure to provide any of this required information and in the manner required may result in a recommendation by the Director of Purchasing that the Vendor is non-responsive.

Below are standard responsibility criteria; refer to **Special Instructions to Vendors**, for Additional Responsibility Criteria requirement(s).

1. **Litigation History**

- a. All Vendors are required to disclose to the County all “material” cases filed, pending, or resolved during the last three (3) years prior to the solicitation response due date, whether such cases were brought by or against the Vendor, any parent or subsidiary of the Vendor, or any predecessor organization. Additionally, all Vendors are required to disclose to the County all “material” cases filed, pending, or resolved against any principal of Vendor, regardless of whether the principal was associated with Vendor at the time of the “material” cases against the principal, during the last three (3) years prior to the solicitation response. A case is considered to be “material” if it relates, in whole or in part, to any of the following:
 - i. A similar type of work that the vendor is seeking to perform for the County under the current solicitation;
 - ii. An allegation of fraud, negligence, error or omissions, or malpractice against the vendor or any of its principals or agents who would be performing work under the current solicitation;
 - iii. A vendor’s default, termination, suspension, failure to perform, or improper performance in connection with any contract;
 - iv. The financial condition of the vendor, including any bankruptcy petition (voluntary and involuntary) or receivership; or
 - v. A criminal proceeding or hearing concerning business-related offenses in which the vendor or its principals (including officers) were/are defendants.
- b. For each material case, the Vendor is required to provide all information identified in the **Litigation History Form**. Additionally, the Vendor shall provide a copy of any judgment or settlement of any material case during the last three (3) years prior to the solicitation response. Redactions of any confidential portions of the settlement agreement are only permitted upon a certification by Vendor that all redactions are required under the express terms of a pre-existing confidentiality agreement or provision.
- c. The County will consider a Vendor’s litigation history information in its review and determination of responsibility.
- d. If the Vendor is a joint venture, the information provided should encompass the joint venture and each of the entities forming the joint venture.
- e. A vendor is required to disclose to the County any and all cases(s) that exist between the County and any of the Vendor’s subcontractors/subconsultants proposed to work on this project during the last five (5) years prior to the solicitation response.
- f. Failure to disclose any material case, including all requested information in connection with each such case, as well as failure to disclose the Vendor’s subcontractors/subconsultants litigation history against the County, may result in the Vendor being deemed non-responsive.

2. **Financial Information**

- a. All Vendors are required to provide the Vendor's financial statements at the time of submittal in order to demonstrate the Vendor's financial capabilities.

- b. Each Vendor shall submit its most recent two years of financial statements for review. The financial statements are not required to be audited financial statements. The annual financial statements will be in the form of:
 - i. Balance sheets, income statements and annual reports; or
 - ii. Tax returns; or
 - iii. SEC filings.

If tax returns are submitted, ensure it does not include any personal information (as defined under Florida Statutes Section 501.171, Florida Statutes), such as social security numbers, bank account or credit card numbers, or any personal pin numbers. If any personal information data is part of financial statements, redact information prior to submitting a response the County.

- c. If a Vendor has been in business for less than the number of years of required financial statements, then the Vendor must disclose all years that the Vendor has been in business, including any partial year-to-date financial statements.
- d. The County may consider the unavailability of the most recent year's financial statements and whether the Vendor acted in good faith in disclosing the financial documents in its evaluation.
- e. Any claim of confidentiality on financial statements should be asserted at the time of submittal. Refer to **Standard Instructions to Vendors**, Confidential Material/ Public Records and Exemptions for instructions on submitting confidential financial statements. The Vendor's failure to provide the information as instructed may lead to the information becoming public.
- f. Although the review of a Vendor's financial information is an issue of responsibility, the failure to either provide the financial documentation or correctly assert a confidentiality claim pursuant the Florida Public Records Law and the solicitation requirements (Confidential Material/ Public Records and Exemptions section) may result in a recommendation of non-responsiveness by the Director of Purchasing.

3. **Authority to Conduct Business in Florida**

- a. A Vendor must have the authority to transact business in the State of Florida and be in good standing with the Florida Secretary of State. For further information, contact the Florida Department of State, Division of Corporations.
- b. The County will review the Vendor's business status based on the information provided in response to this solicitation.
- c. It is the Vendor's responsibility to comply with all state and local business requirements.
- d. Vendor should list its active Florida Department of State Division of Corporations Document Number (or Registration No. for fictitious names) in the Vendor Questionnaire, Question No. 10.
- e. If a Vendor is an out-of-state or foreign corporation or partnership, the Vendor must obtain the authority to transact business in the State of Florida or show evidence of application for the authority to transact business in the State of Florida, upon request of the County.
- f. A Vendor that is not in good standing with the Florida Secretary of State at the time of a submission to this solicitation may be deemed non-responsible.

- g. If successful in obtaining a contract award under this solicitation, the Vendor must remain in good standing throughout the contractual period of performance.

4. **Affiliated Entities of the Principal(s)**

- a. All Vendors are required to disclose the names and addresses of “affiliated entities” of the Vendor’s principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County. The Vendor is required to provide all information required on the Affiliated Entities of the Principal(s) Certification Form.
- b. The County will review all affiliated entities of the Vendor’s principal(s) for contract performance evaluations and the compliance history with the County’s Small Business Program, including CBE, DBE and SBE goal attainment requirements. “Affiliated entities” of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.
- c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor’s principals in its review and determination of responsibility.

5. **Insurance Requirements**

The **Insurance Requirement Form** reflects the insurance requirements deemed necessary for this project. It is not necessary to have this level of insurance in effect at the time of submittal, but it is necessary to submit certificates indicating that the Vendor currently carries the insurance or to submit a letter from the carrier indicating it can provide insurance coverages.

C. **Additional Information and Certifications**

The following forms and supporting information (if applicable) should be returned with Vendor’s submittal. If not provided with submittal, the Vendor must submit within three business days of County’s request. Failure to timely submit may affect Vendor’s evaluation.

1. **Vendor Questionnaire**

Vendor is required to submit detailed information on their firm. Refer to the **Vendor Questionnaire** and submit as instructed.

2. **Standard Certifications**

Vendor is required to certify to the below requirements. Refer to the **Standard Certifications** and submit as instructed.

- a. **Cone of Silence Requirement Certification**
- b. **Drug-Free Workplace Certification**
- c. **Non-Collusion Certification**
- d. **Public Entities Crimes Certification**
- e. **Scrutinized Companies List Certification**

3. **Subcontractors/Subconsultants/Suppliers Requirement**

The Vendor shall submit a listing of all subcontractors, subconsultants, and major material suppliers, if any, and the portion of the contract they will perform. Vendors must follow the instructions included on the **Subcontractors/Subconsultants/Suppliers Information Form** and submit as instructed.

D. **Standard Agreement Language Requirements**

1. The acceptance of or any exceptions taken to the terms and conditions of the County's Agreement shall be considered a part of a Vendor's submittal and will be considered by the Selection or Evaluation Committee.
2. The applicable Agreement terms and conditions for this solicitation are indicated in the Special Instructions to Vendors.
3. Vendors are required to review the applicable terms and conditions and submit the Agreement Exception Form. If the Agreement Exception Form is not provided with the submittal, it shall be deemed an affirmation by the Vendor that it accepts the Agreement terms and conditions as disclosed in the solicitation.
4. If exceptions are taken, the Vendor must specifically identify each term and condition with which it is taking an exception. Any exception not specifically listed is deemed waived. Simply identifying a section or article number is not sufficient to state an exception. Provide either a redlined version of the specific change(s) or specific proposed alternative language. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.
5. Submission of any exceptions to the Agreement does not denote acceptance by the County. Furthermore, taking exceptions to the County's terms and conditions may be viewed unfavorably by the Selection or Evaluation Committee and ultimately may impact the overall evaluation of a Vendor's submittal.

E. Evaluation Criteria

1. The Selection or Evaluation Committee will evaluate Vendors as per the **Evaluation Criteria**. The County reserves the right to obtain additional information from a Vendor.
2. Vendor has a continuing obligation to inform the County in writing of any material changes to the information it has previously submitted. The County reserves the right to request additional information from Vendor at any time.
3. For Request for Proposals, the following shall apply:
 - a. The Director of Purchasing may recommend to the Evaluation Committee to short list the most qualified firms prior to the Final Evaluation.
 - b. The Evaluation Criteria identifies points available; a total of 100 points is available.
 - c. If the Evaluation Criteria includes a request for pricing, the total points awarded for price is determined by applying the following formula:

$$\text{(Lowest Proposed Price/Vendor's Price)} \times \text{(Maximum Number of Points for Price)}$$
$$= \text{Price Score}$$
 - d. After completion of scoring, the County may negotiate pricing as in its best interest.
4. For Requests for Letters of Interest or Request for Qualifications, the following shall apply:
 - a. The Selection or Evaluation Committee will create a short list of the most qualified firms.
 - b. The Selection or Evaluation Committee will either:
 - i. Rank shortlisted firms; or

- ii. If the solicitation is part of a two-step procurement, shortlisted firms will be requested to submit a response to the Step Two procurement.

F. Demonstrations

If applicable, as indicated in Special Instructions to Vendors, Vendors will be required to demonstrate the nature of their offered solution. After receipt of submittals, all Vendors will receive a description of, and arrangements for, the desired demonstration. In accordance with Section 286.0113 of the Florida Statutes and pursuant to the direction of the Broward County Board of Commissioners, demonstrations are closed to only the vendor team and County staff.

G. Presentations

Vendors that are found to be both responsive and responsible to the requirements of the solicitation and/or shortlisted (if applicable) will have an opportunity to make an oral presentation to the Selection or Evaluation Committee on the Vendor's approach to this project and the Vendor's ability to perform. The committee may provide a list of subject matter for the discussion. All Vendor's will have equal time to present but the question-and-answer time may vary. In accordance with Section 286.0113 of the Florida Statutes and the direction of the Broward County Board of Commissioners, presentations during Selection or Evaluation Committee Meetings are closed. Only the Selection or Evaluation Committee members, County staff and the vendor and their team scheduled for that presentation will be present in the Meeting Room during the presentation and subsequent question and answer period.

H. Public Art and Design Program

If indicated in **Special Instructions to Vendors**, Public Art and Design Program, Section 1-88, Broward County Code of Ordinances, applies to this project. It is the intent of the County to functionally integrate art, when applicable, into capital projects and integrate artists' design concepts into this improvement project. The Vendor may be required to collaborate with the artist(s) on design development within the scope of this request. Artist(s) shall be selected by Broward County through an independent process. For additional information, contact the Broward County Cultural Division.

I. Committee Appointment

The Cone of Silence shall be in effect for County staff at the time of the Selection or Evaluation Committee appointment and for County Commissioners and Commission staff at the time of the Shortlist Meeting of the Selection Committee or the Initial Evaluation Meeting of the Evaluation Committee. The committee members appointed for this solicitation are available on the Purchasing Division's website under Committee Appointment.

J. Committee Questions, Request for Clarifications, Additional Information

At any committee meeting, the Selection or Evaluation Committee members may ask questions, request clarification, or require additional information of any Vendor's submittal or proposal. It is highly recommended Vendors attend to answer any committee questions (if requested), including a Vendor representative that has the authority to bind.

Vendor's answers may impact evaluation (and scoring, if applicable). Upon written request to the Purchasing Agent prior to the meeting, a conference call number will be made available for Vendor participation via teleconference. Only Vendors that are found to be both responsive and responsible to the requirements of the solicitation and/or shortlisted (if applicable) are requested to participate in a final (or presentation) Selection or Evaluation committee meeting.

K. Vendor Questions

The County provides a specified time for Vendors to ask questions and seek clarification regarding solicitation requirements. All questions or clarification inquiries must be submitted through BidSync by the date and time referenced in the solicitation document (including any addenda). The County will respond to questions via Bid Sync.

L. Confidential Material/ Public Records and Exemptions

1. Broward County is a public agency subject to Chapter 119, Florida Statutes. Upon receipt, all submittals become "public records" and shall be subject to public disclosure consistent with Chapter 119, Florida Statutes. Submittals may be posted on the County's public website or included in a public records request response unless there is a declaration of "confidentiality" pursuant to the public records law and in accordance with the procedures in this section.
2. Any confidential material(s) the Vendor asserts is exempt from public disclosure under Florida Statutes must be labeled as "Confidential", and marked with the specific statute and subsection asserting exemption from Public Records.
3. To submit confidential material, three hardcopies must be submitted in a sealed envelope, labeled with the solicitation number, title, date and the time of solicitation opening to:

Broward County Purchasing Division
115 South Andrews Avenue, Room 212
Fort Lauderdale, FL 33301

4. Material will not be treated as confidential if the Vendor does not cite the applicable Florida Statute(s) allowing the document to be treated as confidential.
5. Any materials that the Vendor claims to be confidential and exempt from public records must be marked and separated from the submittal. If the Vendor does not comply with these instructions, the Vendor's claim for confidentiality will be deemed as waived.
6. Submitting confidential material may impact full discussion of your submittal by the Selection or Evaluation Committee because the Committee will be unable to discuss the details contained in the documents cloaked as confidential at the publicly noticed Committee meeting.

M. Copyrighted Materials

Copyrighted material is not exempt from the Public Records Law, Chapter 119, Florida Statutes. Submission of copyrighted material in response to any solicitation will constitute a license and permission for the County to make copies (including electronic copies) as reasonably necessary for the use by County staff and agents, as well as to make the materials available for inspection or production pursuant to Public Records Law, Chapter 119, Florida Statutes.

N. State and Local Preferences

If the solicitation involves a federally funded project where the fund requirements prohibit the use of state and/or local preferences, such preferences contained in the Local Preference Ordinance and Broward County Procurement Code will not be applied in the procurement process.

O. Local Preference

The following local preference provisions shall apply except where otherwise prohibited by federal or state law or other funding source restrictions.

For all competitive solicitations in which objective factors used to evaluate the responses from vendors are assigned point totals:

- a. Five percent (5%) of the available points (for example, five points of a total 100 points) shall be awarded to each locally based business and to each joint venture composed solely of locally based businesses, as applicable;
- b. Three percent (3%) of the available points shall be awarded to each locally based subsidiary and to each joint venture that is composed solely of locally based subsidiaries, as applicable; and
- c. For any other joint venture, points shall be awarded based upon the respective proportion of locally based businesses' and locally based subsidiaries' equity interests in the joint venture.

If, upon the completion of final rankings (technical and price combined, if applicable) by the evaluation committee, a nonlocal vendor is the highest ranked vendor and one or more Local Businesses (as defined by Section 1-74 of the Broward County Code of Ordinances) are within five percent (5%) of the total points obtained by the nonlocal vendor, the highest ranked Local Business shall be deemed to be the highest ranked vendor overall, and the County shall proceed to negotiations with that vendor. If impasse is reached, the County shall next proceed to negotiations with the next highest ranked Local Business that was within five percent (5%) of the total points obtained by the nonlocal vendor, if any.

Refer to Section 1-75 of the Broward County Local Preference Ordinance and the **Location Certification Form** for further information.

P. Tiebreaker Criteria

In accordance with Section 21.31.d of the Broward County Procurement Code, the tiebreaker criteria shall be applied based upon the information provided in the Vendor's response to the solicitation. In order to receive credit for any tiebreaker criterion, complete and accurate information must be contained in the Vendor's submittal.

1. Local Certification Form;
2. Domestic Partnership Act Certification (Requirement and Tiebreaker);
3. Tiebreaker Criteria Form: Volume of Work Over Five Years

Q. Posting of Solicitation Results and Recommendations

The Broward County Purchasing Division's website is the location for the County's posting of all solicitations and contract award results. It is the obligation of each Vendor to monitor the website in order to obtain complete and timely information.

R. Review and Evaluation of Responses

A Selection or Evaluation Committee is responsible for recommending the most qualified Vendor(s). The process for this procurement may proceed in the following manner:

1. The Purchasing Division delivers the solicitation submittals to agency staff for summarization for the committee members. Agency staff prepares a report, including a matrix of responses submitted by the Vendors. This may include a technical review, if applicable.

2. Staff identifies any incomplete responses. The Director of Purchasing reviews the information and makes a recommendation to the Selection or Evaluation Committee as to each Vendor's responsiveness to the requirements of the solicitation. The final determination of responsiveness rests solely on the decision of the committee.
3. At any time prior to award, the awarding authority may find that a Vendor is not responsible to receive a particular award. The awarding authority may consider the following factors, without limitation: debarment or removal from the authorized Vendors list or a final decree, declaration or order by a court or administrative hearing officer or tribunal of competent jurisdiction that the Vendor has breached or failed to perform a contract, claims history of the Vendor, performance history on a County contract(s), an unresolved concern, or any other cause under this code and Florida law for evaluating the responsibility of a Vendor.

S. Vendor Protest

Sections 21.118 and 21.120 of the Broward County Procurement Code set forth procedural requirements that apply if a Vendor intends to protest a solicitation or proposed award of a contract and state in part the following:

1. Any protest concerning the solicitation or other solicitation specifications or requirements must be made and received by the County within seven business days from the posting of the solicitation or addendum on the Purchasing Division's website. Such protest must be made in writing to the Director of Purchasing. Failure to timely protest solicitation specifications or requirements is a waiver of the ability to protest the specifications or requirements.
2. Any protest concerning a solicitation or proposed award above the award authority of the Director of Purchasing, after the RLI or RFP opening, shall be submitted in writing and received by the Director of Purchasing within five business days from the posting of the recommendation of award for Invitation to Bids or the final recommendation of ranking for Request for Letters of Interest and Request for Proposals on the Purchasing Division's website.
3. Any actual or prospective Vendor who has a substantial interest in and is aggrieved in connection with the proposed award of a contract that does not exceed the amount of the award authority of the Director of Purchasing, may protest to the Director of Purchasing. The protest shall be submitted in writing and received within three (3) business days from the posting of the recommendation of award for Invitation to Bids or the final recommendation of ranking for Request for Letters of Interest and Request for Proposals on the Purchasing Division's website.
4. For purposes of this section, a business day is defined as Monday through Friday between 8:30 a.m. and 5:00 p.m. Failure to timely file a protest within the time prescribed for a proposed contract award shall be a waiver of the Vendor's right to protest.
5. As a condition of initiating any protest, the protestor shall present the Director of Purchasing a nonrefundable filing fee in accordance with the table below.

<u>Estimated Contract Amount</u>	<u>Filing Fee</u>
\$30,000 - \$250,000	\$ 500
\$250,001 - \$500,000	\$1,000
\$500,001 - \$5 million	\$3,000
Over \$5 million	5,000

If no contract proposal amount was submitted, the estimated contract amount shall be the County's estimated contract price for the project. The County may accept cash, money order, certified check,

or cashier's check, payable to Broward County Board of Commissioners.

T. Right of Appeal

Pursuant to Section 21.83.d of the Broward County Procurement Code, any Vendor that has a substantial interest in the matter and is dissatisfied or aggrieved in connection with the Selection or Evaluation Committee's determination of responsiveness may appeal the determination pursuant to Section 21.120 of the Broward County Procurement Code.

1. The appeal must be in writing and sent to the Director of Purchasing within ten (10) calendar days of the determination by the Selection or Evaluation Committee to be deemed timely.
2. As required by Section 21.120, the appeal must be accompanied by an appeal bond by a Vendor having standing to protest and must comply with all other requirements of this section.
3. The institution and filing of an appeal is an administrative remedy to be employed prior to the institution and filing of any civil action against the County concerning the subject matter of the appeal.

U. Rejection of Responses

The Selection or Evaluation Committee may recommend rejecting all submittals as in the best interests of the County. The rejection shall be made by the Director of Purchasing, except when a solicitation was approved by the Board, in which case the rejection shall be made by the Board.

V. Negotiations

The County intends to conduct the first negotiation meeting no later than two weeks after approval of the final ranking as recommended by the Selection or Evaluation Committee. At least one of the representatives for the Vendor participating in negotiations with the County must be authorized to bind the Vendor. In the event that the negotiations are not successful within a reasonable timeframe (notification will be provided to the Vendor) an impasse will be declared and negotiations with the first-ranked Vendor will cease. Negotiations will begin with the next ranked Vendor, etc. until such time that all requirements of Broward County Procurement Code have been met. In accordance with Section 286.0113 of the Florida Statutes and the direction of the Broward County Board of Commissioners, negotiations resulting from Selection or Evaluation Committee Meetings are closed. Only County staff and the selected vendor and their team will be present during negotiations.

W. Submittal Instructions:

1. Broward County does not require any personal information (as defined under Section 501.171, Florida Statutes), such as social security numbers, driver license numbers, passport, military ID, bank account or credit card numbers, or any personal pin numbers, in order to submit a response for ANY Broward County solicitation. DO NOT INCLUDE any personal information data in any document submitted to the County. If any personal information data is part of a submittal, this information must be redacted prior to submitting a response to the County.
2. Vendor MUST submit its solicitation response electronically and MUST confirm its submittal in order for the County to receive a valid response through BidSync. It is the Vendor's sole responsibility to assure its response is submitted and received through BidSync by the date and time specified in the solicitation.
3. The County will not consider solicitation responses received by other means. Vendors are encouraged to submit their responses in advance of the due date and time specified in the solicitation document. In

the event that the Vendor is having difficulty submitting the solicitation document through Bid Sync, immediately notify the Purchasing Agent and then contact BidSync for technical assistance.

4. Vendor must view, submit, and/or accept each of the documents in BidSync. Web-fillable forms can be filled out and submitted through BidSync.
5. After all documents are viewed, submitted, and/or accepted in BidSync, the Vendor must upload additional information requested by the solicitation (i.e. Evaluation Criteria and Financials Statements) in the Item Response Form in BidSync, under line one (regardless if pricing requested).
6. Vendor should upload responses to Evaluation Criteria in Microsoft Word or Excel format.
7. If the Vendor is declaring any material confidential and exempt from Public Records, refer to Confidential Material/ Public Records and Exemptions for instructions on submitting confidential material.
8. After all files are uploaded, Vendor must submit and CONFIRM its offer (by entering password) for offer to be received through BidSync.
9. If a solicitation requires an original Proposal Bond (per Special Instructions to Vendors), Vendor must submit in a sealed envelope, labeled with the solicitation number, title, date and the time of solicitation opening to:

Broward County Purchasing Division
115 South Andrews Avenue, Room 212
Fort Lauderdale, FL 33301

A copy of the Proposal Bond should also be uploaded into Bid Sync; this does not replace the requirement to have an original proposal bond. Vendors must submit the original Proposal Bond, by the solicitation due date and time.

Supplier: Perez & Perez Architects Planners, Inc.

Office of Economic and Small Business Requirements: CBE Goal Participation

- A. In accordance with the Broward County Business Opportunity Act of 2012, Section 1-81, Code of Ordinances, as amended (the "Business Opportunity Act"), the County Business Enterprise (CBE) Program is applicable to this contract. All Vendors responding to this solicitation are required to utilize CBE firms to perform the assigned participation goal for this contract.
- B. The CBE participation goal will be established based on the expected expenditure amount for the proposed scope of services for the project. The Office of Economic and Small Business Development (OESBD) will not include alternate items, optional services or allowances when establishing the CBE participation goal. If the County subsequently chooses to award any alternate items, optional services or allowances as determined by OESBD and the Contract Administrator to be related to the scope of services, OESBD may apply the established CBE participation goal. In such an instance, the County will issue a written notice to the successful Vendor that the CBE participation goal will also apply to the alternate items, optional services or allowances. Vendor shall submit all required forms pertaining to its compliance with the CBE participation goal, as applicable. Failure by Vendor to submit the required forms may result in the rejection of Vendor's solicitation submittal prior to the award or failure to comply with the contract requirements may have an impact on the vendor performance evaluation post award, as applicable.
- C. CBE Program Requirements: Compliance with CBE participation goal requirements is a matter of responsibility; Vendor should submit all required forms and information with its solicitation submittal. If the required forms and information are not provided with the Vendor's solicitation submittal, then Vendor must supply the required forms and information no later than three (3) business days after request by OESBD. Vendor may be deemed non-responsible for failure to fully comply with CBE Program Requirements within these stated timeframes.
 1. Vendor should include in its solicitation submittal a **Letter Of Intent Between Bidder/Offeror and County Business Enterprise (CBE) Subcontractor/Supplier** for each CBE firm the Vendor intends to use to achieve the assigned CBE participation goal. The form is available at the following link: <http://www.broward.org/EconDev/Documents/CBELetterOfIntent.pdf>
 2. If Vendor is unable to attain the CBE participation goal, Vendor should include in its solicitation submittal an **Application for Evaluation of Good Faith Efforts** and all of the required supporting information. The form is available at the following link: <http://www.broward.org/EconDev/WhatWeDo/Documents/GoodFaithEffortEval.pdf>
- D. OESBD maintains an online directory of CBE firms. The online directory is available for use by Vendors at <https://webapps4.broward.org/smallbusiness/sbdirectory.aspx>.
- E. For detailed information regarding the CBE Program contact the OESBD at (954) 357-6400 or visit the website at: <http://www.broward.org/EconDev/SmallBusiness/>
- F. If awarded the contract, Vendor agrees to and shall comply with all applicable requirements of the Business Opportunity Act and the CBE Program in the award and administration of the contract.
 1. No party to this contract may discriminate on the basis of race, color, sex, religion, national origin, disability, age, marital status, political affiliation, sexual orientation, pregnancy, or gender identity and expression in the performance of this contract.
 2. All entities that seek to conduct business with the County, including Vendor or any Prime Contractors, Subcontractors, and Bidders, shall conduct such business activities in a fair and

reasonable manner, free from fraud, coercion, collusion, intimidation, or bad faith. Failure to do so may result in the cancellation of this solicitation, cessation of contract negotiations, revocation of CBE certification, and suspension or debarment from future contracts.

3. If Vendor fails to meet or make Good Faith Efforts (as defined in the Business Opportunity Act) to meet the CBE participation commitment (the "Commitment"), then Vendor shall pay the County liquidated damages in an amount equal to fifty percent (50%) of the actual dollar amount by which Vendor failed to achieve the Commitment, up to a maximum amount of ten percent (10%) of the total contract amount, excluding costs and reimbursable expenses. An example of this calculation is stated in Section 1-81.7, Broward County Code of Ordinances.
4. Vendor shall comply with all applicable requirements of the Business Opportunity Act in the award of this contract. Failure by Vendor to carry out any of these requirements shall constitute a material breach of the contract, which shall permit the County to terminate this contract or to exercise any other remedy provided under this contract, the Broward County Code of Ordinances, the Broward County Administrative Code, or other applicable laws, with all such remedies being cumulative.
5. Vendor shall pay its CBE subcontractors and suppliers, within fifteen (15) days following receipt of payment from the County, for all completed subcontracted work and supplies. If Vendor withholds an amount from CBE subcontractors or suppliers as retainage, such retainage shall be released and paid within fifteen (15) days following receipt of payment of retained amounts from the County.
6. Vendor understands that the County will monitor Vendor's compliance with the CBE Program requirements. Vendor must provide OESBD with a Monthly Utilization Report (MUR) to confirm its compliance with the Commitment agreed to in the contract; timely submission of the MUR every month throughout the term of the contract, including amendment and extension terms, is a condition precedent to the County's payment of Vendor under the contract.

Supplier: Perez & Perez Architects Planners, Inc.

**VENDOR QUESTIONNAIRE AND STANDARD CERTIFICATIONS
Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

Vendor should complete questionnaire and complete and acknowledge the standard certifications and submit with the solicitation response. If not submitted with solicitation response, it must be submitted within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

If a response requires additional information, the Vendor should upload a written detailed response with submittal; each response should be numbered to match the question number. The completed questionnaire and attached responses will become part of the procurement record. It is imperative that the person completing the Vendor Questionnaire be knowledgeable about the proposing Vendor's business and operations.

1. Legal business name: **Perez & Perez Architects Planners, Inc.**
2. Doing Business As/Fictitious Name (if applicable): **n/a**
3. Federal Employer I.D. no. (FEIN): **59-2400309**
4. Dun and Bradstreet No.: **15-279-2669**
5. Website address (if applicable): **www.perezperez.com**
6. Principal place of business address: **2121 S Douglas Road,
Miami, FL 33145**
7. Office location responsible for this project: **2121 S Douglas Road,
Miami, FL 33145**
8. Telephone no.: **3054444545** Fax no.: **3054444524**
9. Type of business (check appropriate box):
 - Corporation (specify the state of incorporation): **Florida**
 - Sole Proprietor
 - Limited Liability Company (LLC)
 - Limited Partnership
 - General Partnership (State and County filled in) **Florida**
 - Other – Specify
10. List [Florida Department of State, Division of Corporations](#) document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
 - a) **Daniel Perez-Zarraga**
 - b) **Jaime Cruanyas**
 - c) **Ben Melendez**
 - d) **Jaime Ruiz**
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name: **Daniel Perez-Zarraga**
Title: **Principal**
E-mail: **Danielp@perezperez.com**
Telephone No.: **3054444545**

Name: **Julian Bovasso**
Title: **Marketing**
E-mail: **jpb5291@gmail.com**
Telephone No.: **3862992011**
13. Has your firm, its principals, officers or predecessor organization(s) been debarred or suspended by any government entity within the last three years? If yes, specify details in an attached written response. Yes No
14. Has your firm, its principals, officers or predecessor organization(s) ever been debarred or suspended by any government entity? If yes, specify details in an attached written response, including the reinstatement date, if granted. Yes No
15. Has your firm ever failed to complete any services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. Yes No
16. Is your firm or any of its principals or officers currently principals or officers of another organization? If yes, specify details in an attached written response. Yes No
17. Have any voluntary or involuntary bankruptcy petitions been filed by or against your firm, its parent or subsidiaries or predecessor organizations during the last three years? If yes, specify details in an attached written response. Yes No
18. Has your firm's surety ever intervened to assist in the completion of a contract or have Performance and/or Payment Bond claims been made to your firm or its predecessor's sureties during the last three years? If yes, specify details in an

- attached written response, including contact information for owner and surety. Yes No
19. Has your firm ever failed to complete any work awarded to you, services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. Yes No
20. Has your firm ever been terminated from a contract within the last three years? If yes, specify details in an attached written response. Yes No
21. Living Wage solicitations only: In determining what, if any, fiscal impact(s) are a result of the Ordinance for this solicitation, provide the following for informational purposes only. Response is not considered in determining the award of the contract.

Living Wage had an effect on the pricing Yes No

If yes, Living Wage increased the pricing by % or decreased the pricing by %.

22. Participation in Solicitation Development:

I have not participated in the preparation or drafting of any language, scope, or specification that would provide my firm or any affiliate an unfair advantage of securing this solicitation that has been let on behalf of Broward County Board of County Commissioners.

I have provided information regarding the specifications and/or products listed in this solicitation that has been let on behalf of Broward County Board of County Commissioners.

If this box is checked, provide the following:

Name of Person the information was provided:

Title:

Date information provided:

For what purpose was the information provided?

Cone of Silence Requirement Certification:

The Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances prohibits certain communications among Vendors, Commissioners, County staff, and Selection or Evaluation Committee members. Identify on a separate sheet any violations of this Ordinance by any members of the responding firm or its joint ventures. After the application of the Cone of Silence, inquiries regarding this solicitation should be directed to the Director of Purchasing or designee. The Cone of Silence terminates when the County Commission or other awarding authority takes action which ends the solicitation.

The Vendor hereby certifies that: (check each box)

- The Vendor has read Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances; and
- The Vendor understands that the Cone of Silence for this competitive solicitation shall be in effect beginning upon the appointment of the Selection or Evaluation Committee, for communication regarding this solicitation with the County Administrator, Deputy County Administrator, Assistant County Administrators, and Assistants to the County Administrator and their respective support staff or any person, including Evaluation or Selection Committee members, appointed to evaluate or recommend selection in this RFP/RLI process. For Communication with County Commissioners and Commission staff, the Cone of Silence allows communication until the initial Evaluation or Selection Committee Meeting.
- The vendor understands that they may communicate with a representative of the Office of Economic and Small Business Development ("OESBD") at any time regarding a solicitation or regarding participation of Small Business Enterprises or County Business Enterprises in a solicitation. OESBD may be contacted at (954)357- 6400. The Cone of Silence also permits communication with certain other County employees (refer to the Cone of Silence Ordinance).
- The Vendor agrees to comply with the requirements of the Cone of Silence Ordinance.

Drug-Free Workplace Requirements Certification:

Section 21.31.a. of the Broward County Procurement Code requires awards of all competitive solicitations requiring Board award be made only to firms certifying the establishment of a drug free workplace program. The program must consist of:

1. Publishing a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the offeror's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
2. Establishing a continuing drug-free awareness program to inform its employees about:
 - a. The dangers of drug abuse in the workplace;
 - b. The offeror's policy of maintaining a drug-free workplace;
 - c. Any available drug counseling, rehabilitation, and employee assistance programs; and
 - d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

3. Giving all employees engaged in performance of the contract a copy of the statement required by subparagraph 1;
4. Notifying all employees, in writing, of the statement required by subparagraph 1, that as a condition of employment on a covered contract, the employee shall:
 - a. Abide by the terms of the statement; and
 - b. Notify the employer in writing of the employee's conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or of any state, for a violation occurring in the workplace NO later than five days after such conviction.
5. Notifying Broward County government in writing within 10 calendar days after receiving notice under subdivision 4.b above, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
6. Within 30 calendar days after receiving notice under subparagraph 4 of a conviction, taking one of the following actions with respect to an employee who is convicted of a drug abuse violation occurring in the workplace:
 - a. Taking appropriate personnel action against such employee, up to and including termination; or
 - b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency; and
7. Making a good faith effort to maintain a drug-free workplace program through implementation of subparagraphs 1 through 6.

The Vendor hereby certifies that: (check box)

- The Vendor certifies that it has established a drug free workplace program in accordance with the above requirements.

Non-Collusion Certification:

Vendor shall disclose, to their best knowledge, any Broward County officer or employee, or any relative of any such officer or employee as defined in Section 112.3135 (1) (c), Florida Statutes, who is an officer or director of, or has a material interest in, the Vendor's business, who is in a position to influence this procurement. Any Broward County officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement. Failure of a Vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the Broward County Procurement Code.

The Vendor hereby certifies that: (select one)

- The Vendor certifies that this offer is made independently and free from collusion; or
- The Vendor is disclosing names of officers or employees who have a material interest in this procurement and is in a position to influence this procurement. Vendor must include a list of name(s), and relationship(s) with its submittal.

Public Entities Crimes Certification:

In accordance with Public Entity Crimes, Section 287.133, Florida Statutes, a person or affiliate placed on the convicted vendor list following a conviction for a public entity crime may not submit on a contract to provide any goods or services; for construction or repair of a public building or public work; for leases of real property to a public entity; and may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for Category Two for a period of 36 months following the date of being placed on the convicted vendor list.

The Vendor hereby certifies that: (check box)

- The Vendor certifies that no person or affiliates of the Vendor are currently on the convicted vendor list and/or has not been found to commit a public entity crime, as described in the statutes.

Scrutinized Companies List Certification:

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor hereby certifies that: (check each box)

- The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4275, Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

I hereby certify the information provided in the Vendor Questionnaire and Standard Certifications:

Daniel Perez-Zarraga

Principal

04/21/21

*AUTHORIZED SIGNATURE/NAME

TITLE

DATE

Vendor Name: **Perez & Perez Architects Planners, Inc.**

* I certify that I am authorized to sign this solicitation response on behalf of the Vendor as indicated in Certificate asto Corporate Principal, designation letter by Director/Corporate Officer, or other business authorization to bind on behalf of the Vendor. As the Vendor's authorized representative, I attest that any and all statements, oral, written or otherwise, made in support of the Vendor's response, are accurate, true and correct. I also acknowledge that inaccurate, untruthful, or incorrect statements made in support of the Vendor's response may be used by the County as a basis for rejection, rescission of the award, or termination of the contract and may also serve as the basis for debarment of Vendor pursuant to Section 21.119 of the Broward County Procurement Code. I certify that the Vendor's response is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a response for the same items/services, and is in all respects fair and without collusion or fraud. I also certify that the Vendor agrees to abide by all terms and conditions of this solicitation, acknowledge and accept all of the solicitation pages as well as any special instructions sheet(s).

Supplier: Perez & Perez Architects Planners, Inc.

LOBBYIST REGISTRATION REQUIREMENT CERTIFICATION FORM

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

The Vendor certifies that it understands if it has retained a lobbyist(s) to lobby in connection with a competitive solicitation, it shall be deemed non-responsive unless the firm, in responding to the competitive solicitation, certifies that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances; and it understands that if, after awarding a contract in connection with the solicitation, the County learns that the certification was erroneous, and upon investigation determines that the error was willful or intentional on the part of the Vendor, the County may, on that basis, exercise any contractual right to terminate the contract for convenience.

The Vendor hereby certifies that: (select one)

- It has not retained a lobbyist(s) to lobby in connection with this competitive solicitation; however, if retained after the solicitation, the County will be notified.
- It has retained a lobbyist(s) to lobby in connection with this competitive solicitation and certified that each lobbyist retained has timely filed the registration or amended registration required under Broward County Lobbyist Registration Act, Section 1-262, Broward County Code of Ordinances.

It is a requirement of this solicitation that the names of any and all lobbyists retained to lobby in connection with this solicitation be listed below:

Name of Lobbyist: **n/a**

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist: **n/a**

Lobbyist's Firm:

Phone:

E-mail:

Authorized Signature/Name: Daniel Perez-Zarraga Date: 04/21/21

Title: Principal

Vendor Name: Perez & Perez Architects Planners, Inc.

Supplier: Perez & Perez Architects Planners, Inc.

DOMESTIC PARTNERSHIP ACT CERTIFICATION FORM (REQUIREMENT AND TIEBREAKER)

Refer to Special Instructions to identify if Domestic Partnership Act is a requirement of the solicitation or acts only as a tiebreaker. If Domestic Partnership is a requirement of the solicitation, the completed and signed form should be returned with the Vendor's submittal. If the form is not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes. To qualify for the Domestic Partnership tiebreaker criterion, the Vendor must currently offer the Domestic Partnership benefit and the completed and signed form must be returned at time of solicitation submittal.

The Domestic Partnership Act, Section 16 ½ -157, Broward County Code of Ordinances, requires all Vendors contracting with the County, in an amount over \$100,000 provide benefits to Domestic Partners of its employees, on the same basis as it provides benefits to employees' spouses, with certain exceptions as provided by the Ordinance.

For all submittals over \$100,000.00, the Vendor, by virtue of the signature below, certifies that it is aware of the requirements of Broward County's Domestic Partnership Act, Section 16-½ -157, Broward County Code of Ordinances; and certifies the following: (check only one below).

- 1. The Vendor currently complies with the requirements of the County's Domestic Partnership Act and provides benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses
- 2. The Vendor will comply with the requirements of the County's Domestic Partnership Act at time of contract award and provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses.
- 3. The Vendor will not comply with the requirements of the County's Domestic Partnership Act at time of award.
- 4. The Vendor does not need to comply with the requirements of the County's Domestic Partnership Act at time of award because the following exception(s) applies: **(check only one below)**.
 - The Vendor is a governmental entity, not-for-profit corporation, or charitable organization.
 - The Vendor is a religious organization, association, society, or non-profit charitable or educational institution.
 - The Vendor provides an employee the cash equivalent of benefits. (Attach an affidavit in compliance with the Act stating the efforts taken to provide such benefits and the amount of the cash equivalent).
 - The Vendor cannot comply with the provisions of the Domestic Partnership Act because it would violate the laws, rules or regulations of federal or state law or would violate or be inconsistent with the terms or conditions of a grant or contract with the United States or State of Florida. Indicate the law, statute or regulation (State the law, statute or regulation and attach explanation of its applicability).

Daniel Perez-Zarraga	Principal	Perez & Perez Architects Planners, Inc.	04/21/21
Authorized Signature/Name	Title	Vendor Name	Date

Supplier: Perez & Perez Architects Planners, Inc.

AFFILIATED ENTITIES OF THE PRINCIPAL(S) CERTIFICATION FORM

The completed form should be submitted with the solicitation response but must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- a. All Vendors are required to disclose the names and addresses of "affiliated entities" of the Vendor's principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County.
- b. The County will review all affiliated entities of the Vendor's principal(s) for contract performance evaluations and the compliance history with the County's Small Business Program, including CBE, DBE and SBE goal attainment requirements. "Affiliated entities" of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.
- c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor's principals in its review and determination of responsibility.

The Vendor hereby certifies that: (select one)

- No principal of the proposing Vendor has prior affiliations that meet the criteria defined as "Affiliated entities"
- Principal(s) listed below have prior affiliations that meet the criteria defined as "Affiliated entities"

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Authorized Signature Name: **Daniel Perez-Zarraga**

Title: **Principal**

Vendor Name: **Perez & Perez Architects Planners, Inc.**

Date: **04/21/21**

Supplier: **Perez & Perez Architects Planners, Inc.**

LOCATION CERTIFICATION FORM

Refer to applicable sections for submittal instructions. Failure to submit required forms or information by stated timeframes will deem vendor ineligible for local preference or location tiebreaker.

Broward County Code of Ordinances, Section 1-74, et seq., provides certain preferences to Local Businesses, Locally Based Businesses, and Locally Based Subsidiaries, and the Broward County Procurement Code provides location as the first tiebreaker criteria. Refer to the ordinance for additional information regarding eligibility for local preference.

For Invitation for Bids:

To be eligible for the Local Preference best and final offer (“BAFO”) and location tiebreaker, the Vendor **must** submit this fully completed form and a copy of its Broward County local business tax receipt **at the same time it submits its bid. Vendors who fail to comply with this submittal deadline will not be eligible for either the BAFO or the location tiebreaker.**

For Request for Proposals (RFPs), Request for Letters of Interest (RLIs), or Request for Qualifications (RFQs):

For Local Preference eligibility, the Vendor **should** submit this fully **completed form and all Required Supporting Documentation** (as indicated below) at the time Vendor submits its response to the procurement solicitation. If not provided with submittal, the Vendor **must** submit within three business days after County’s written request. Failure to submit required forms or information by stated timeframes will deem the Vendor ineligible for local preference.

To be eligible for the location tiebreaker, **the Vendor must submit this fully completed form and a copy of its Broward County local business tax receipt at the same time it submits its response.** Vendors who fail to comply with this submittal deadline will not be eligible for the location tiebreaker.

The undersigned Vendor hereby certifies that (check the box for only one option below):

- Option 1:** The Vendor is a **Local Business**, but does not qualify as a **Locally Based Business** or a **Locally Based Subsidiary**, as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. It has continuously maintained, for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),
 - i. a physical business address located within the limits of Broward County, listed on the Vendor’s valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - ii. in an area zoned for the conduct of such business,
 - iii. that the Vendor owns or has the legal right to use, and
 - iv. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation (as so defined, the “Local Business Location”).

If Option 1 selected, indicate **Local Business Location**:

- Option 2:** The Vendor is both a **Local Business** and a **Locally Based Business** as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. The Vendor has continuously maintained, for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),
 - i. a physical business address located within the limits of Broward County, listed on the Vendor's valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - ii. in an area zoned for the conduct of such business,
 - iii. that the Vendor owns or has the legal right to use, and
 - iv. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation as so defined, the "Local Business Location");
 - B. The Local Business Location is the primary business address of the majority of the Vendor's employees as of the bid posting date, and/or the majority of the work under the solicitation, if awarded to the Vendor, will be performed by employees of the Vendor whose primary business address is the Local Business Location;
 - C. The Vendor's management directs, controls, and coordinates all or substantially all of the day-to-day activities of the entity (such as marketing, finance, accounting, human resources, payroll, and operations) from the Local Business Location;
 - D. The Vendor has not claimed any other location as its principal place of business within the one (1) year period immediately preceding the bid posting date; and
 - E. Less than fifty percent (50%) of the total equity interests in the business are owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County. The Vendor certifies that the total equity interests in the Vendor owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County is .

If Option 2 selected, indicate **Local Business Location**:

- Option 3:** The Vendor is both a **Local Business** and a **Locally Based Subsidiary** as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. The Vendor has continuously maintained:
 - i. for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),
 - ii. a physical business address located within the limits of Broward County, listed on the Vendor's valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - iii. in an area zoned for the conduct of such business,
 - iv. that the Vendor owns or has the legal right to use, and
 - v. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward

County in connection with the applicable competitive solicitation (as so defined, the "Local Business Location");

- B. The Local Business Location is the primary business address of the majority of the Vendor's employees as of the bid posting date, and/or the majority of the work under the solicitation, if awarded to the Vendor, will be performed by employees of the Vendor whose primary business address is the Local Business Location;
- C. The Vendor's management directs, controls, and coordinates all or substantially all of the day-to-day activities of the entity (such as marketing, finance, accounting, human resources, payroll, and operations) from the Local Business Location;
- D. The Vendor has not claimed any other location as its principal place of business within the one (1) year period immediately preceding the bid posting date; and
- E. At least fifty percent (50%) of the total equity interests in the business are owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County. The Vendor certifies that the total equity interests in the Vendor owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County is .

If Option 3 selected, indicate **Local Business Location**:

- Option 4:** The Vendor is a **joint venture** composed of one or more Local Businesses, Locally Based Businesses, or Locally Based Subsidiaries, as each term is defined by Section 1-74, Broward County Code of Ordinances. Fill in blanks with percentage equity interest or list "N/A" if section does not apply. The Vendor further certifies that:

- A. The proportion of equity interests in the joint venture owned by **Local Business(es)** (each Local Business must comply with all of the requirements stated in Option 1) is % of the total equity interests in the joint venture; and/or
- B. The proportion of equity interests in the joint venture owned by **Locally Based Business(es)** (each Locally Based Business must comply with all of the requirements stated in Option 2) is % of the total equity interests in the joint venture; and/or
- C. The proportion of equity interests in the joint venture owned by **Locally Based Subsidiary(ies)** (each Locally Based Subsidiary must comply with all of the requirements stated in Option 3) is % of the total equity interests in the joint venture.

If Option 4 selected, indicate the Local Business Location(s) (es) on separate sheet.

- Option 5:** Vendor is not a Local Business, a Locally Based Business, or a Locally Based Subsidiary, as each term is defined by Section 1-74, Broward County Code of Ordinances.

Required Supporting Documentation (in addition to this form):

Option 1 or 2 (**Local Business** or **Locally Based Business**):

1. Broward County local business tax receipt.

Option 3 (**Locally Based Subsidiary**)

1. Broward County local business tax receipt.
2. Documentation identifying the Vendor's vertical corporate organization and names of parent entities if the Vendor is a Locally Based Subsidiary.

Option 4 (**joint venture** composed of one or more Local Business(es), Locally Based Business(es), or Locally Based Subsidiary(ies):

1. Broward County local business tax receipt(s) for each Local Business(es), Locally Based Business(es), and/or Locally Based Subsidiary(ies).
2. Executed joint venture agreement, if the Vendor is a joint venture.
3. If joint venture is comprised of one or more Locally Based Subsidiary(ies), submit documentation identifying the vertical corporate organization and parent entities name(s) of each Locally Based Subsidiary.

If requested by County (any option):

1. Written proof of the Vendor's ownership or right to use the real property at the Local Business Location.
2. Additional documentation relating to the parent entities of the Vendor.
3. Additional documentation demonstrating the applicable percentage of equity interests in the joint venture, if not shown in the joint venture agreement.
4. Any other documentation requested by County regarding the location from which the activities of the Vendor are directed, controlled, and coordinated.

By submitting this form, the Vendor certifies that if awarded a contract, it is the intent of the Vendor to remain at the Local Business Location address listed below (or another qualifying Local Business Location within Broward County) for the duration of the contract term, including any renewals or extensions. (If nonlocal Vendor, leave Local Business Location blank.)

Indicate Local Business Location:

True and Correct Attestations:

Any misleading, inaccurate, or false information or documentation submitted by any party affiliated with this procurement may lead to suspension and/or debarment from doing business with Broward County as authorized by the Broward County Procurement Code. The Vendor understands that, if after contract award, the County learns that any of the information provided by the Vendor on this form was false, and the County determines, upon investigation, that the Vendor's provision of such false information was willful or intentional, the County may exercise any contractual right to terminate the contract. The provision of false or fraudulent information or documentation by a Vendor may subject the Vendor to civil and criminal penalties.

AUTHORIZED SIGNATURE/NAME: **Daniel Perez-Zarraga**

TITLE: **Principal**

VENDOR NAME: **Perez & Perez Architects Planners, Inc.**

DATE: **04/21/21**

Supplier: Perez & Perez Architects Planners, Inc.

AGREEMENT EXCEPTION FORM

The completed form(s) should be returned with the Vendor’s submittal. If not provided with submittal, it shall be deemed an affirmation by the Vendor that it accepts the terms and conditions of the County’s Agreement as disclosed in the solicitation.

The Vendor must either provide specific proposed alternative language on the form below. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.

- There are no exceptions to the terms and conditions of the County Agreement as referenced in the solicitation; or
- The following exceptions are disclosed below: (use additional forms as needed; separate each Article/ Section number)

Term or Condition Article / Section	Insert version of exception or specific proposed alternative language	Provide brief justification for change

Vendor Name: Perez & Perez Architects Planners, Inc.


Supplier: Perez & Perez Architects Planners, Inc.

**SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM
Request for Proposals, Request for Qualifications, or Request for Letters of Interest**

The following forms and supporting information (if applicable) should be returned with Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit may affect Vendor's evaluation.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in BidSync.

 bold line separating sections

1. Subcontracted Firm's Name: **Bliss & Nyitray, Inc**

Subcontracted Firm's Address: **5835 Blue Lagoon Dr #400, Miami, FL 33126**

Subcontracted Firm's Telephone Number: **(305) 442-7086**

Contact Person's Name and Position: **William Caycedo, P.E**

Contact Person's E-Mail Address: **w-caycedo@bniengineers.com**

Estimated Subcontract/Supplies Contract Amount: **12%**

Type of Work/Supplies Provided: **Structural Engineering**

 bold line separating sections

2. Subcontracted Firm's Name: **T.Y Lin International, Inc.**

Subcontracted Firm's Address: **500 W Cypress Creek Rd, Fort Lauderdale, FL 33309**

Subcontracted Firm's Telephone Number: **(954) 491-5556**

Contact Person's Name and Position: **Max Fajardo**

Contact Person's E-Mail Address: **max.fajardo@tylin.com**

Estimated Subcontract/Supplies Contract Amount: **10%**

Type of Work/Supplies Provided: **Civil Engineering**

3. Subcontracted Firm's Name: **WGI, Inc.**

Subcontracted Firm's Address: **3230 W Commercial Blvd #300, Fort Lauderdale, FL 33309**

Subcontracted Firm's Telephone Number: **(954) 660-1660**

Contact Person's Name and Position: **Eric Matthews**

Contact Person's E-Mail Address: **Area Manager**

Estimated Subcontract/Supplies Contract Amount: **5%**

Type of Work/Supplies Provided: **SUE, Surveying**



bold

4. Subcontracted Firm's Name: **Merchant Aviation**

separating

sections
Subcontracted Firm's Address: **382 Springfield Ave STE 411, Summit, NJ 07901**

Subcontracted Firm's Telephone Number: **908.273.3600**

Contact Person's Name and Position: **Kiran Merchant**

Contact Person's E-Mail Address: **kiranm@merchantaviation.com**

Estimated Subcontract/Supplies Contract Amount: **15%**

Type of Work/Supplies Provided: **Aviation Planning**

I certify that the information submitted in this report is in fact true and correct to the best of my knowledge.

Daniel Perez-Zarraga **Principal** **Perez & Perez Architects Planners, Inc.** **04/21/21**
Authorized Signature/Name **Title** **Vendor Name** **Date**

Supplier: Perez & Perez Architects Planners, Inc.

VOLUME OF PREVIOUS WORK ATTESTATION FORM

The completed and signed form should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to provide timely may affect the Vendor's evaluation.

This completed form MUST be included with the Vendor's submittal at the time of the opening deadline to be considered for a Tie Breaker criterion (if applicable).

Points assigned for Volume of Previous Work will be based on the amount paid-to-date by the County to a prime Vendor **MINUS** the Vendor's confirmed payments paid-to-date to approved certified County Business Enterprise (CBE) firms performing services as Vendor's subcontractor/subconsultant to obtain the CBE goal commitment as confirmed by County's Office of Economic and Small Business Development. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must list all received payments paid-to-date by contract as a prime vendor from Broward County Board of County Commissioners. Reporting must be within five (5) years of the current solicitation's opening date.

Vendor must also list all total confirmed payments paid-to-date by contract, to approved certified CBE firms utilized to obtain the contract's CBE goal commitment. Reporting must be within five (5) years of the current solicitation's opening date.

In accordance with Section 21.31.d. of the Broward County Procurement Code, the Vendor with the lowest dollar volume of work previously paid by the County over a five-year period from the date of the submittal opening will receive the Tie Breaker.

The Vendor attests to the following:

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	Prime: Paid to Date	CBE: Paid to Date
1.						
2.						
3.						
4.						
5.						
6.						
7.						

Grand Total **0.00** **0.00**

Has the Vendor been a member/partner of a Joint Venture firm that was awarded a contract by the County?

Yes No

If Yes, Vendor must submit a **Joint Vendor Volume of Work Attestation Form.**

Vendor Name:

Authorized Signature/Name

Title

Date

VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM

If applicable, this form and additional required documentation should be submitted with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Failure to timely submit this form and supporting documentation may affect the Vendor's evaluation.

If a Joint Venture, the payments paid-to-date by contract provided must encompass the Joint Venture and each of the entities forming the Joint Venture. Points assigned for Volume of Previous Work will be based on the amount paid-to-date by contract to the Joint Venture firm **MINUS** all confirmed payments paid-to-date to approved certified CBE firms utilized to obtain the CBE goal commitment. Reporting must be within five (5) years of the current solicitation's opening date. Amount will then be multiplied by the member firm's equity percentage.

In accordance with Section 21.31.d. of the Broward County Procurement Code, the Vendor with the lowest dollar volume of work previously paid by the County over a five-year period from the date of the submittal opening will receive the Tie Breaker.

The Vendor attests to the following:

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	JV Equity Percent	Prime: Paid to Date	CBE: Paid to Date
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Grand Total **0.00** **0.00**

Vendor is required to submit an executed Joint Venture agreement(s) and any amendments for each project listed above. Each agreement must be executed prior to the opening date of this solicitation.

Vendor Name:

Authorized Signature/Name

Title

Date

Supplier: Perez & Perez Architects Planners, Inc.



Finance and Administrative Services Department

PURCHASING DIVISION

115 S. Andrews Avenue, Room 212 • Fort Lauderdale, Florida 33301 • 954-357-6066 • FAX 954-357-8535

Summary of Vendor Rights Regarding Broward County Competitive Solicitations

The purpose of this document is to provide vendors with a summary of their rights to object to or protest a proposed award or recommended ranking of vendors in connection with Broward County competitive solicitations. These rights are fully set forth in the Broward County Procurement Code, which is available here: <https://www.broward.org/purchasing>.

1. Right to Object

The right to object is available for solicitations conducted through Requests for Proposals ("RFPs") or Requests for Letters of Interest ("RLIs"). In such solicitations, vendors may object in writing to a proposed recommendation of ranking made by a Selection or Evaluation Committee. Objections must be filed within three (3) business days after the proposed recommendation is posted on the Purchasing Division's website. The contents of an objection must comply with the requirements set forth in Section 21.84 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of the right to object.

2. Right to Protest

The right to protest is available for RFPs and RLIs and in solicitations conducted through Invitations to Bid ("ITBs"). In RFPs and RLIs, vendors may protest a final recommendation of ranking made by a Selection or Evaluation Committee. In ITBs, vendors may protest a final recommendation for award made by the Broward County Purchasing Division.

In all cases, protests must be filed in writing within three (3) or five (5) business days after a recommended ranking or recommendation for award is posted on Purchasing Division's website. The timeframe for filing (*i.e.*, 3 or 5 business days) depends on the monetary value of the procurement. Additional requirements for a protest are set forth in Section 21.118 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of protest rights.

Vendors may appeal the denial of a protest. Appeals may require payment of an appeal bond. Additional requirements for an appeal are set forth in Section 21.120 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of appeal rights.

3. Cone of Silence; Right to Contact OESBD

Please be aware that a Cone of Silence remains in effect for competitive solicitations until a solicitation is completed or a contract is awarded. During that time period, vendors may not contact certain County officials and employees regarding a solicitation. Substantial penalties may result from even an unintentional violation. For further information, please contact the Purchasing Division at 954-357-6066 or refer to the Cone of Silence Ordinance which is available here: <https://www.broward.org/Purchasing/Documents/ConeOfSilence.pdf>.

However, vendors may communicate with a representative of the Office of Economic and Small Business Development ("OESBD") at any time regarding a solicitation or regarding participation of Small Business Enterprises or County Business Enterprises in a solicitation. OESBD may be contacted at (954) 357-6400. The Cone of Silence also permits communication with certain other County employees (please see the Cone of Silence Ordinance at the above link for further details).

Broward County Board of County Commissioners

Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine

www.broward.org