

M.C. Harry Associates, Inc.

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Suite 302
Coral, FL 33133

Qualifications **DBE**

Bid Notes **Attached is our response to Bid #PNC2120437P1.**

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	

M.C. Harry Associates, Inc.

Item: **Professional Consultant Services**

Attachments

MCH_PNC2120437P1_BCAD.pdf

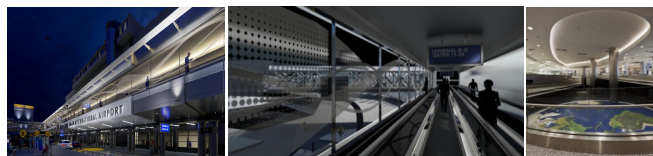


MCHARRYASSOCIATES

ARCHITECTURE . PLANNING . INTERIORS



ORIGINAL



Broward County Board of County
Commissioners, FL

Professional Consultant Services for
FLL and HWO Airports, Building Projects

Bid #PNC2120437P1

Due: April 21, 2021



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<i>*All forms have been accepted via BidSync</i>	

MCHARRYASSOCIATES

April 21, 2021

Broward County Board of County Commissioners

RE: **PROFESSIONAL CONSULTANT SERVICES FOR FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT AND NORTH PERRY AIRPORT, BUILDING PROJECTS**

Dear Selection Committee:

We consider it a great privilege to present the qualifications of **MC Harry Associates**. While the enclosed submission discusses our qualifications and approach in detail, we would like to present a few key highlights of our team's strengths for this contract scope of work:

MC Harry Associates is an established FUCP Certified DBE architectural firm with a longstanding history providing planning and design services to aviation clientele here and abroad; principal among them, Miami International Airport. MC Harry's corporate portfolio is highlighted with more than \$500 Million of MIA Capital Improvements and Planning/Design Projects located throughout the landside, terminal and airside environments.

MC Harry Associates has extensive design and construction experience in the full range of airport facilities and infrastructure which is summarized below. All of our projects have successfully resolved the complex problem of renovating and expanding airport facilities while keeping them operational, and have benefited from our expertise providing Prime Consultant team management and overall project coordination.

Terminal and Concourse Planning and Design
Federal Inspection Facilities
Ground Transportation and Terminal Access
Parking Revenue Collection
Airport Authority and Government Agency Offices
Apron Paving and Aircraft Utilities

Ticketing and ATO Facilities
General Aviation/FBO Terminals
Airport Parking Garages
Duty Free and Retail Food & Beverage
Maintenance and Storage Hangars
Air Cargo Facilities

The Project Team:

MC Harry Associates, as your prime consultant, has assembled a core team of design professionals each with a prior working relationship with MC Harry. Their collective expertise will provide the professional consultant services necessary to successfully respond to your scope of services.

Hammond & Associates - MEP/Lighting/Fire Protection/Telecommunication (CBE)
Master Consulting Engineers - Structural Engineering (CBE)
Engenuity Group - Civil Engineering / Land Surveying & Mapping (CBE)
Terracon - Geotechnical Engineering / Environmental / Material Testing
Miller Legg & Associates - Landscape / Environmental Engineering / SUE
Atlas Safety & Security Design - Blast Analysis / Infrastructure / Equipment Evaluations (CBE)
Keith - Transportation & Traffic Engineering
Connico Inc. - Cost Estimating

MC Harry Associates and our unique team of design professionals look forward to working with Broward County on this most exciting project.

Sincerely,

M. C. Harry and Associates, Inc.



Craig Aquart, AIA, CSI
Principal





1. ABILITY OF PROFESSIONAL PERSONNEL

A. Organizational Chart





**PROFESSIONAL CONSULTANT SERVICES FOR FORT LAUDERDALE-HOLLYWOOD
INTERNATIONAL AIRPORT AND NORTH PERRY AIRPORT, BUILDING PROJECTS**

MC HARRY TEAM
*Architecture / Project Management / Interior Design/
LEED*

Craig Aquart, AIA, CSI
Principal - In - Charge
Architect of Record

**Lourdes Solera, FAIA
LEED AP**
Principal - In - Charge
Project Architect

**Lawrence Arrington, AIA LEED
AP**
Sr. Project Manager

Esther Monterrey, AIA
Project Manager/Design
Documentation & Construc-
tion Administration

Ralph Gonzalez
Job Captain/Asst. Project
Manager

**Lisette Boosooboy, IIDA
Assoc. LEED AP**
Project Coordinator

**Midori Shim, NCIDQ, IIDA
LEED**
Interior Designer

CONSULTANT TEAM



Keith
Transportation & Traffic

Pramod Choudhary, PE, PTOE
Lori Treviranus, PE
Cecilia Villoria, PE



**Atlas Safety &
Security Design, Inc.**
**Blast Analysis/
Security**

Randy I. Atlas Ph.D.,
CPP, President
W. Douglas Fitzgerald,
CPP, CHS-III, CFE



Hammond & Associates
**MEP/Lighting/FP/
Telecommunication**

Eric J. Hammond, PE Principal
Stephen Farquharson, LEED
AP
Donald Dixon, PE



Connico Inc.
Cost Estimating

Charl J. Nesor, MRICS,
CCP



Miller Legg
**Landscape/SUE/
Environmental**

Dylan Larson, SPWS, CEP, GTA
Jennifer Shipley
William Mohler, III, CA, CLI
Martin Rossi, PSM
Gerald Edelman
Brian Shore, RLA
Michael Bradley



Engenuity Group
**Civil/Land Surveying &
Mapping**

Adam C. Swaney, P.E.
C. Andre Rayman, P.S.M.
Jennifer C. Malin, P.S.M.
Richard Brown, E.I.



Terracon
**Geotechnical/Environmental/
Materials Testing**

Steven A. Harrison, P.G.
Caridad R. Murphy, QCM
Hugo E. Soto, PE
Liana Lantigua Cuni, E.I.
Rutugandha H. Nulkar, PE
Tom C. Holley, CHMM, CIH, CSP,
FLAC, MRSA



**Master Consulting En-
gineers
Structural**

Armando Castellon, PE
Robert Bell, PE



1. ABILITY OF PROFESSIONAL PERSONNEL

B. Relevant Qualifications Resumes/Licenses



MCHARRYASSOCIATES

MC Harry Associates is a Miami based, FUCP Certified DBE architecture, planning and interiors firm with a 64 year history providing award winning planning and design services to a variety of government agencies and public institutions.

We have been honored by the American Institute of Architects as their *AIA Florida* and *AIA Miami Firm of the Year*. These awards recognize a practice that has consistently produced distinguished architecture successfully blending the art and science of the profession.

Our skill in the planning and design of more than \$1 BILLION of public sector improvements has allowed us to keep in step with South Florida's progressive development and places us in an elite group of design professionals sensitive to the history and aspirations of our locale.

MC Harry Associates has been providing planning and design services to aviation clientele here and abroad over the past 40 years; principal among them, Miami International Airport. MC Harry's corporate portfolio is highlighted with more than **\$500 Million** of MIA Capital Improvements and Planning/Design Projects located throughout the landside, terminal and airside environments.



Our extensive design and construction experience with the full range of airport facilities and infrastructure is summarized below. All of our projects have successfully resolved the complex problem of renovating and expanding airport facilities while keeping them operational, and have benefitted from our expertise providing Prime Consultant team management and overall project coordination.

Terminal and Concourse Planning and Design
Federal Inspection Facilities
Ground Transportation and Terminal Access
Parking Revenue Collection
Airport Authority and Government Agency Offices
Apron Paving and Aircraft Utilities

Ticketing and ATO Facilities
General Aviation/FBO Terminals
Airport Parking Garages
Duty Free and Retail Food & Beverage
Maintenance and Storage Hangars
Air Cargo Facilities

MC Harry Associates' past and ongoing aviation related projects range from new facilities and building renovations, to planning studies and adaptive reuse. Based on this body of work we have developed the skills necessary to meet client needs for efficient and affordable solutions to their program goals and objectives.

Utilizing the latest hardware and software technology, we offer innovative solutions to help our clients conduct business more efficiently, save money, and maintain schedule. Our ability to work through a project's challenges with innovative planning and design gives our clients the freedom to implement the improvements they require. Each project is developed within the context of long term objectives, affording us the opportunity to incorporate strategies that facilitate future growth.

Responsible future growth must be approached from an environmental design vantage point. All of our projects are routinely measured against the latest sustainable 'green' strategies with particular focus on energy and water consumption savings; the two most immediate and tangible advantages of a sustainable building program.



1. Ability of Professional Personnel Relevant Qualifications

Firm Size

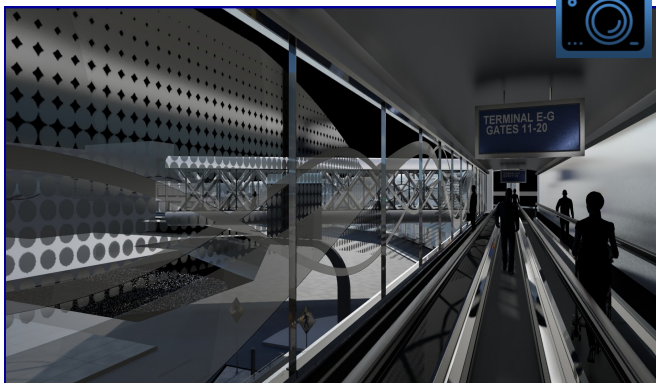
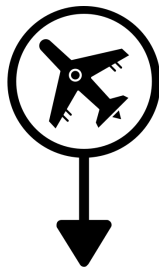
Our 24-person firm is organized into 3 distinct 'studios', each assigned a balance of senior management - project architects, detailers and designers. At weekly staff meetings, we balance our resources across multiple projects so that each project deadline is met and the projects are developed in a seamless fashion.

Awards Received

In an increasingly style-driven profession, MC Harry has resisted imposing a signature aesthetic on its work, striving instead for a consistently high level of 'contextual' design quality...design that responds well to each projects unique setting and circumstance. This philosophy has garnered the firm numerous awards for Design Excellence. These awards recognize our steadfast commitment and dedication to innovative cost effective design which advances the cause of architecture...the creation of a meaningful, if not inspiring, sense of identity and place within the built environment.

Each firm on our team will be actively engaged in assignments in their areas of expertise. Our Team Members include:

- **Hammond & Associates** - MEP/Lighting/Fire Protection/Telecommunications
- **Master Consulting Engineers** - Structural Engineering
- **Engenuity Group** - Civil Engineering / Land Surveying & Mapping
- **Terracon** - Geotechnical Engineering / Environmental / Material Testing
- **Miller Legg & Associates** - Landscape / Environmental Engineering / SUE
- **Atlas Safety & Security Design** - Blast Analysis / Infrastructure / Equipment Evaluations
- **Keith** - Transportation & Traffic Engineering
- **Connico Inc.** - Cost Estimating



MIA Central Terminal Façade Improvements
Miami International Airport

*What sets MCHarry apart
are not just our
qualifications, it s our
people.*



1. Ability of Professional Personnel
Relevant Qualifications

COMPANY PROFILE

FIRM OVERVIEW



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 *FLL 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.



- FLL – Toll Plaza
- FLL – Exit Roadway System
- FLL – Automated People Mover
- FLL- Terminal 4 Elevator Modifications
- FLL- Terminal 4 Western Expansion
- FLL- Terminal 4 Eastern Expansion
- FLL- Terminal 1, Concourse "A"

KEY PERSONNEL



MR. ERIC J. HAMMOND, PE, PRINCIPAL | MECHANICAL ENGINEER, Mr. Hammond is the founder of Hammond & Associates with 45+ years of experience. He has a wealth of knowledge in providing these services to the Aviation and Maritime industry in Florida. He will ensure all resources are made available to this contract.



STEPHEN FARQUHARSON, LEED AP, will serve as our internal Project Manager and design team leader. In this role, he will be responsible for all design team communications and leading the MEP design team. He will coordinate and schedule the team's activities to keep everyone on track managing subsequent contractor's during construction.



- MIA-MBuilding 101- Forty Year Re-Certification
- MIA-Building 1030 Trash Compactor
- MIA-Building 3039 @ Alpha Caterers
- MIA-Building 3107 – ID Office HVAC Replacement
- MIA-Building 702 Life Safety Upgrade
- MIA-Building 22, Chilled Water Booster Pump
- MIA-Domestic Water @ Concourse B
- MIA-Concourse "D" Sanitary Pipe Replacement
- MIA-Building 3090 Cooling Tower
- MIA-Refrigerant Management Program
- MIA-Drinking Fountain Replacement
- MIA-Elevator Machine Room Air Conditioning
- MIA-Electrical Upgrade to Building 5A – 4th Floor
- MIA- INS pass Pilot Program
- MIA-Monitoring of Main Power Distribution
- MIA-Building 5A Re-Roofing
- MIA-US Airways Baggage Service Area
- MIA-Concourse "D" Remodel

TEAM MANAGEMENT & ACCOUNTABILITY

To ensure accountability with Hammond Design team throughout project duration, we anticipate weekly project team meetings will be held where schedule adherence, budget adherence, and detailed action items will be reviewed and addressed. Additionally, these meetings will allow for continual coordination between all team members. Further, regular project updates will be provided to the Team's Project Manager and staff via report or meeting.

PAST PROJECT EXPERIENCE

Hammond & Associates has been providing Mechanical, Electrical and Plumbing Engineering Design to South Florida since 1988. During our 32 years, our portfolio has grown to include a diversity of projects for various agencies. Following is a list of projects where we have provided MEP/FP/ and Construction Administration services for Aviation and Maritime projects.

COMPANY PROFILE

THROUGH SUB-CONSULTANT AGREEMENTS*

Hammond & Associates is currently providing MEP/ Fire Protection engineering design services for Concourse E's MIA Public Restroom Modernization through Palenzuela & Hevia Design Group.

Hammond & Associates provided MEP/ Fire Protection engineering design services to the Airport Operations Control Center (AOCC) Work Order 21, Project NO. F126A -Building 3030 through Architectonica.

MARITIME PROJECTS

- Port Everglades – Third Floor Administration Building
- Port Everglades – Building 19 Bathroom Renovations
- Port Everglades – Building 65 Re-Roofing
- Port Everglades – Public Safety Building
- Port Everglades – Terminal 2 Loading Bridge
- Port Everglades – Terminal 15 Improvements
- Port Everglades – Terminal 19 Passenger Loading Bridge
- Port Everglades – Terminal 21 Improvements
- Port Everglades – Terminal 29 Baggage Claim Expansion
- Port Everglades – Terminal 4, Phase 2 Expansion
- Port Everglades – Terminal 4 Renovations
- Port Everglades – Terminal 18 Custom Border Patrol Changes
- Port Everglades – Terminal 18- Florida Power & Light Vault
- Port Everglades – Terminal 19 Renovations
- Port Everglades – Terminal 21 Renovations
- Port Everglades – Terminal 26, Renovations
- Port Everglades – Terminal 4 Slip Extension
- Port Everglades – Parking Garage Safety Survey
- Port Everglades – Public Safety Building Air Conditioning Survey
- Port Everglades – Slip 1 Expansion
- South Florida Regional Transit Authority



PROJECT GOALS & SUCCESS MEASURES

During project kickoff, project goals will be finalized and agreed upon, but some preliminary proposed goals would be as follows:

- Achieve project deliverable by deadlines
- Deliver project below budget without compromising quality
- Zero operational downtime during construction (as applicable)

We anticipate the following Project Phases under this contract

Hammond & Associates has broken this project into 4 phases: (1) Pre-Design Evaluation, (2) Schematic Design, (3) Construction Documents & Bidding Support, and (4) Construction Administration.



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

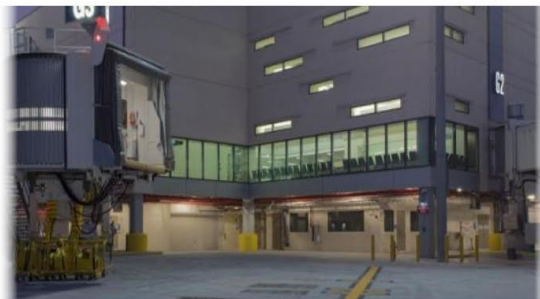
- Mechanical
- Electrical
- Fire Protection

CLIENT CONTACT

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

Construction Cost

\$128 Million



499 NW 70th Avenue, Suite 201 Plantation, FL 33317 Phone: (954) 327-7111

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

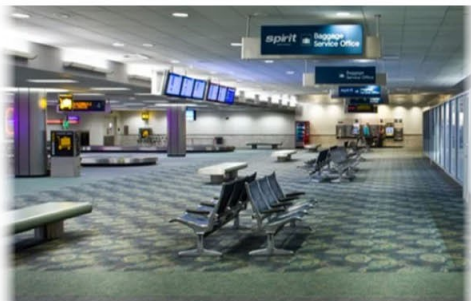
- Mechanical
- Electrical
- Fire Protection

CLIENT CONTACT

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

Construction Cost

\$450 Million



499 NW 70th Avenue, Suite 201 Plantation, FL 33317 Phone: (954) 327-7111

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.

AT A GLANCE

Owner

Broward County, FL

Completion Date

2012 to 2019

Firm Responsibility

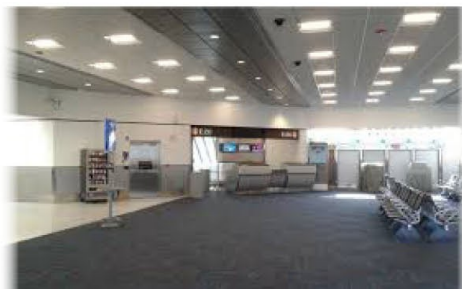
- Mechanical
- Electrical
- Fire Protection

CLIENT CONTACT

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

Construction Cost

\$450 Million



499 NW 70th Avenue, Suite 201 Plantation, FL 33317 Phone: (954) 327-7111



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@bemelloajamil.com

Construction Cost

\$18 Million



499 NW 70th Avenue, Suite 201 Plantation, FL 33317 Phone: (954) 327-7111

1. Ability of Professional Personnel Relevant Qualifications



Terracon Consultants, Inc. has worked on a wide variety of airport projects throughout the United States and we are knowledgeable and familiar with Federal Aviation Administration (FAA) quality acceptance criteria. Our project experience includes new construction, expansions, and additions of airport roadways, hangar, aprons, runways, taxi lanes, Automated Guideway Transit Systems, terminals, parking structures, plazas, tunnels and escalators, bridges, airport operation facilities, antenna towers, stormwater retention ponds, and drainage systems. Terracon's vast knowledge of airport security, policies, procedures and operational guidelines help us to complete projects as efficiently and effectively as possible.

Terracon has a proven record of commitment, expertise, and environmental experience in supporting large and medium hub airport projects all over the United States, including experience at Syracuse-Hamilton County Airport, Wichita Airport Authority, Des Moines International Airport, Metropolitan Nashville Airport Authority, Piedmont Triad Airport Authority and Chattanooga Metropolitan Airport Authority as well as extensive Florida aviation experience including: **Palm Beach International Airport, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale Executive Airport, Orlando International Airport, Lakeland Regional Airport, Tampa International Airport, Northeast Florida Regional Airport, Jacksonville International Airport, Miami International Airport, Opa-locka Executive Airport, Kendall-Tamiami Executive Airport, Galaxy Aviation of Palm Beach**, just to name a few.

Terracon has successfully completed environmental and geotechnical related services on approximately 3,700 airport projects with construction costs totaling into the billions of dollars. A sampling of Terracon's experience at Florida airports during the past two decades is provided in the table below.

	Terracon
Big Cypress	■
Boca Raton	■
Daytona Beach International	■
Fernandina Beach	■
Flagler County	■
Florida Keys Marathon	■
Fort Lauderdale-Hollywood International	■
Fort Myers	■
Jacksonville International	■
Kendall-Tamiami Executive	■
Key West International	■
Kissimmee Municipal	■
Melbourne International	■
Miami International	■
North Palm Beach County General Aviation	■
North Perry	■
Opa-locka Executive	■
Orlando Sanford	■
Palm Beach International	■
Sarasota Bradenton International	■
St. Lucie County International	■
St. Petersburg-Clearwater International	■
Tampa International	■
Venice Municipal	■
Vero Beach Municipal	■
Witham Field	■

Terracon is a 100 percent employee-owned consulting engineering firm providing quality services to clients. Since 1965, Terracon has evolved into a successful multi-discipline firm specializing in environmental, facilities, geotechnical, and materials. With over 5,000 employees in more than 150 offices, Terracon has an 11-office network in Florida.

Our Miami Lakes office has substantial capabilities, resources and experience to successfully perform professional environmental and geotechnical engineering services for the Key West International Airport. We have performed these exact services for local municipalities and utility projects for nearly 30 years including FDOT District 6, Monroe County, and the Florida Keys Aqueduct Authority (FKAA). Terracon has a broad scope of knowledge in the Florida Keys and we frequently work within the County's limits, and in nearby areas, for both public and private sector clients.

1. Ability of Professional Personnel Relevant Qualifications



Firm Overview

Established in 1999, MCE is a certified WMBE firm with a highly qualified team of 25 employees, which includes 7 Florida licensed engineers, with more than 150 years of proven combined experience. MCE has successfully provided structural design and consulting, threshold inspections, forensic engineering, wind load analysis, peer and quality assurance reviews, and construction administration. MCE's diverse portfolio of projects ranges from half million to \$1 Billion in construction costs for wide range of projects, including large-scale Design Build projects, additions and renovations, and small repairs.

Core Competencies

- ➔ Structural Design and Consulting
- ➔ Forensic Engineering
- ➔ Threshold Inspections
- ➔ Restorations
- ➔ Wind Load Analysis

Certifications

- Women/Minority Business Enterprise (WMBE)
- Small Business Enterprise (SBE)
- Disadvantage Business Enterprise (DBE)
- Certified Business Enterprise (CBE)

Office Locations

- **Headquarters | Tampa, Florida**
5523 West Cypress Street, Suite 200
Tampa, Florida 33607
- **Branch | Ft. Lauderdale, Florida**
4101 Ravenswood Road, Suite 307
Ft. Lauderdale, Florida 33312
- **Branch | Orlando, Florida**
5950 Lakehurst Drive, Suite 183
Orlando, FL 32819

Mission and Vision Statement

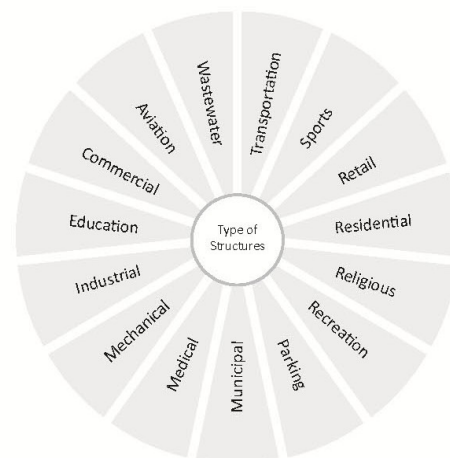
Mission: To lead the structural engineering industry by incorporating quality, innovation, and integrity into our design services while providing long-term relationships with clients, partners, and employees.

Duns Number and NIGP Codes

Duns Number: 844627476
NIGP Codes: 92533 | 91842 | 92500 | 92588

Advantages

- Educated staff trained to be very diligent about meeting project schedules and to understand the need for cost-effective, environmentally conscious, timely solutions with practical approaches.
- State of the art equipment and computer software is utilized from the design phase through construction phases of a project to provide clear lines of collaboration and communication between the owner, architect, engineers, and general contractor.
- The latest technology and security capabilities are maintained by purchasing top of the line servers and replacing them frequently. The firm has its own server that hosts the website, email, and secure FTP.
- The CEO is involved in each project to ensure that the same expertise and passion is poured into every structure designed.
- The firm is results oriented, places a great deal of importance on client service and is committed to supplying competent practical solutions.
- Emphasis is placed on integrity, team collaboration, careful planning, and frequent communication with all parties involved in the success of a project regardless of size or complexity.
- MCE is licensed to perform work in 18 States.





ATLAS SAFETY & SECURITY DESIGN INC.

ATLAS SAFETY & SECURITY DESIGN, INC. is an independent, non-vested, architectural security design consulting firm which provides consulting and design services to Architects, Owners, and Developers in the private and public governmental sectors. We specialize in the planning, design, and construction of criminal justice facilities, building security, anti-terrorism and infrastructure protection design, safety design, and accessibility features in all types of buildings such as apartment buildings, office buildings, shopping centers and plazas, parks and recreation, parking garages and lots, nightclubs and restaurants, schools and universities, jails, prisons, courthouses, and police facilities.

ATLAS SAFETY & SECURITY DESIGN, INC. is a leader in the industry, with extensive experience in large building projects that require security in the early stages of the design process for full integration of crime prevention through environmental design (CPTED) concepts into the facility and infrastructure.

ATLAS SAFETY & SECURITY DESIGN, INC. is a certified Micro/Small Business Enterprise in Miami Dade County. We are a registered vendor in the categories of Safety & Security Consulting, Crime Prevention Services, Feasibility Studies, Security Systems, and General Consulting Services, and are certified as a Title II ADA Consultant.

ATLAS SAFETY & SECURITY DESIGN, INC. provides expert witness services to attorneys on premises security negligence cases on negligent security cases, safety cases that involve slips trips and falls, inmate violence and suicide cases, accessibility and ADA compliance, and building code compliance.

Founded in 1988, ATLAS SAFETY & SECURITY DESIGN, INC. provides programming and design services for justice facilities, along with other commercial and institutional work. The heart of any organization depends on the personnel experience, quality, and depth of understanding that staff can bring to solve complex and interrelated applications.

The firm brings over thirty years of experience in the design of security systems, security design, and CPTED.

1. Ability of Professional Personnel Relevant Qualifications



Engenuity Group, Inc., is an award winning Civil Engineering, Surveying and GIS Mapping Consulting Firm located in West Palm Beach, Florida, USA. With over four decades of experience, Engenuity Group provides superior service with experienced personnel, and produces technically advanced deliverables in a timely manner, and within budget! We aim to perform to our clients' utmost needs because we understand that it is the CLIENT that matters most!

Engenuity Group prides itself on tackling complicated situations by providing responsible solutions to problems. We have experience with private, governmental and institutional clients. From the conceptual phase to construction certification, Engenuity Group can handle any project!

Mission

It is our mission to provide clients with technically proficient, individualized services in a courteous manner. Engenuity Group staff include civil engineers, land surveyors and GIS mappers, offering you the support of an expert consultant in all phases of project development. We will skillfully guide your project from planning through design, permit approval and construction.

With a specialty in municipal institutional consulting, Engenuity Group possesses a unique perspective to engineering and surveying. We routinely assist public agencies in design, survey, GIS, permitting, public presentations, consensus building and grant applications. In some cases, we act as both a designer and regulator, giving our client a well-rounded perspective. Engenuity's project managers are an innovative, resourceful and creative team, who possess a sense of urgency and ownership that they bring to each and every project.

Expertise



CIVIL ENGINEERING/CONSULTING

Providing excellent services in civil engineering and site development permitting is an important facet of each project we put our name on. What sets us apart is our ability to offer services ranging from conceptualization through construction of a project for new commercial office buildings, retail space, industrial parks, mixed-use and planned developments; to residential communities, college/university expansions, private and public municipalities.



LAND SURVEYING & MAPPING

We provide a wide variety of land surveying services for public- and private-sector clients. From plat preparation to Hydrographic studies, we perform a wide variety of comprehensive surveying services for commercial and residential developments, buildings, highways, bridges, utilities, waterways and property acquisitions. Our experienced staff utilize state-of-the-art equipment and practical innovation to reduce survey costs and expedite the completion of projects, while maintaining a superior product for our clients.



Landscape Architecture

Miller Legg's Landscape Architects have created quality spaces through functional design, site-sensitive planning, and aesthetic enhancements for residential developments, recreational amenities, commercial facilities, urban centers and transportation corridors.

Although economically productive, commercial developments, enhanced transportation corridors, livable communities, and sustainable ecosystems are vastly different, the design process used to develop and implement these projects is the same. Miller Legg has been successful in the design of these and other landscape architectural projects for both public and private sector clients.



Miller Legg's landscape architecture staff consists of registered landscape architects, graphic designers, technicians, irrigation specialists and field personnel. Utilizing this Team and specialized design approach, the firm has received numerous regional and local landscape architecture design awards for a variety of projects. Balance between aesthetics, economics, and environmental concerns are the result of successful land planning. It is during this formative stage that potential is realized, and vision takes shape. Our planning services include assisting in development plan permitting, comprehensive planning, planning studies, and prescribing land use designs, as well as strategies for obtaining their approvals.

The planning staff of Miller Legg consists of experienced professionals dedicated to translating your goals into economically sound, environmentally responsible, and visually creative projects. Our experience with local, county, regional and state planning agencies, together with our in-depth knowledge of environmental and site engineering, results in a streamlined design process and expedited permit approvals for you.

Environmental Our environmental professionals bring their combined experience to meet your modeling, wetland delineation, vegetation mapping, and land use classification needs. Our environmental professionals have comprehensive experience in wetland delineations, wildlife surveys, mitigation feasibility studies, environmental assessments and audits, mitigation design, planning and construction observation, value engineering, cost evaluation and scheduling, and environmental permitting for both public and private-sector clients.

The most efficient route starts with knowing where you are, as well as where you are going. An accurate start on your journey will assure a timely arrival at your destination. Our extensive platting, surveying and mapping capabilities and state-of-the-art resources can provide a clear path to the natural and built environment.



Survey & SUE Miller Legg employs the use of total stations and an electronic data collection system to gather field survey data. In addition, we have extensive experience with Global Positioning Systems (GPS) technology, using both static and Real Time Kinematic (RTK) for our survey projects. This information is then downloaded into our Local Area Network (LAN), which can be accessed through our Wide Area Network (WAN), and processed through our sophisticated coordinate geometry applications. Our state-of-the-art resources also provide us with the ability to transform this data into integrated, interactive mapping databases called Geographic Information Systems (GIS).

Geographic Information Systems (GIS) are computer-based systems used to store and manipulate geographic (spatial) information. GIS technology provides a better understanding of the "big picture" through consolidation, organization and visualization of spatial data.

1. Ability of Professional Personnel Relevant Qualifications



Firm Overview & Aviation Experience

LOCATIONS

Nashville Office

2594 N. Mount Juliet Road
Mount Juliet, TN 37122

Cincinnati Office

2940 Hebron Park Drive
Suite 209
Hebron, KY 41048

Atlanta Office

2727 Paces Ferry Road
Suite 750
Atlanta, GA 30339

DBE CERTIFICATION

Connico is a woman owned firm and is certified as a Disadvantaged Business Enterprise (DBE) in 46 states across the U.S., Puerto Rico, and the Virgin Islands.

FIRM SERVICES

Cost Consultancy
Constructability Reviews
Construction Administration
CADD Support
Contract Compliance
Independent Fee Reviews
Program Management
Project Management
Constructability Phasing
Project Observation
Records Keeping
Resident Project Representation
Schedule Management
Value Analysis
Wage Rate Monitoring

CONTACT

(615) 758-7474

www.connico.com

For more than 30 years, Connico has offered construction consulting services to owners, engineers, architects, and planners. As consultants you can count on, we specialize in cost estimating, program management, scheduling/phasing, project management and constructability planning, striving to deliver a client's vision for projects.

Our experience with complex projects allows for a unique perspective during the design and construction process. With a focus set on the varied aspects of planning, design and construction, from master plans to construction, Connico strives to be your partner in a project's success.

Connico has worked at more than 130 air carrier airports across the U.S. from Baltimore, Maryland to Los Angeles, California. We have been involved in projects at aviation facilities from small general aviation, municipal, and air carrier, to large hub international airports. These projects have involved:

- Airfield
- Fuel Farm
- Runways
- Aprons
- Glycol Management
- Safety Areas
- Air Traffic Control Towers (ATCTs)
- Hangars
- Security
- Baggage
- Infrastructure
- Specialty Areas
- Cargo
- Lighting
- Storm Water
- Concessions/Retail
- Maintenance
- Taxiways
- Aircraft Rescue and Firefighting Facilities (ARFF)
- Concourses
- Navigational Aides (NAVAIDs)
- Terminals
- Consolidated Rental Car Facilities (CONRACs)
- Parking
- Ticket Lobbys
- Deicing People Movers
- Utilities

CONNICO

1. Ability of Professional Personnel Relevant Qualifications



More than 60 years ago, the KEITH story began when we first started serving in the Broward County community. KEITH has collaborated with more than 75 municipalities throughout Florida. Through our work and our partnerships in the area, we create the stage for everyday moments; expected and unexpected. Our projects are interconnected, touching lives and contributing to the resilience of our community.

KEITH takes what might be considered mundane and transforms it by considering it through our unique lens. With the task at hand in focus our work becomes more than simply streets, parks, or utilities. Each task becomes an exceptional space where we work, live and play. KEITH employs its more than six decades of experience to reshape each project so that it more than works, it works into the future, positively affecting our communities, and all achieved within the parameters provided by our clients. As a result, our expansive body of award-winning work is what we call *Engineering Inspired Design*.

Looking toward the future is best done with a sound knowledge of the past. Through founder Bill Keith's leadership, years of discipline and hard work, Bill was able to pass forward a more than growing enterprise to his daughter, our CEO, Dodie Keith-Lazowick, PSM. And, in turn, KEITH has grown into a third generation of talent with our President, Alex Lazowick, PE, PMP. KEITH, constantly building on our history, stands today as a multi-disciplinary powerhouse shaping communities across Florida and beyond with state-of-the-art inspired solutions to the needs of the day.

The Team at KEITH combines the technical experience of a diverse pool of professionals possessing an encyclopedic working knowledge of local and regional projects, emphasizing municipal land development and re-purposing activities. This synergy results in the development of important relationships with key agencies. This tremendous database of knowledge, information and skill is an invaluable asset for our clients.

KEITH was incorporated as a Florida corporation in 1998. As a mid-size close-knit firm of over 180 professionals, we provide surveying and mapping, subsurface utility engineering, planning, civil engineering, traffic engineering, landscape architecture, construction management, and virtual design and construction services. The firm was founded on the principle of achieving success by combining the latest technology with client-oriented business practices, and a staff of experienced and talented professionals.

KEITH understands the importance of community involvement and the necessity of working with local, state, and federal agencies in a hands-on cooperative manner to build consensus and receive subsequent approval of highly sensitive projects. This approach represents an underlying philosophy of the firm which results in a quality product, with emphasis on scheduling and cost effectiveness through team-oriented management and quality control.

KEITH PRACTICES

At the core of what we do are the people who live, work, and play in the environments we create with our clients. Our projects are interconnected, touching lives, and contributing to the resilience of our community. The unfolding of this concept is revealed in our Practice Lines.

KEITH Facility:

Infrastructure: Providing safety and support to create the essential backbone of our community.

KEITH Access:

Connecting: People with people; goods with people; industries with people.

KEITH Life:

Stories: We create the stage for everyday moments; expected and unexpected.

KEITH Play:

Activity: Creating dynamic experiences to engage all ages in exploration, interaction, learning and movement.

KEITH Campus:

Gathering: Creating environments to learn, to worship, to debate, and to heal.



1. Ability of Professional Personnel
Relevant Qualifications

FLL Terminal 2 Modernization Construction

Fort Lauderdale, FL | 2013 - 2019

**Client:**

Gresham Smith, Fort Lauderdale, FL 33301
(954) 322-4433, ben.goebel@greshamsmith.com

Project Description:

This extensive modernization project is part of the Fort Lauderdale-Hollywood International Airport Improvements and Renovations Program (FLLAIR). Terminal 2 dates back to the early 1980's. To meet current design standards, the building needed to grow by approximately 20,000 square feet to accommodate concessions, security and restrooms. This increase in square footage cannot impact the aircraft apron, which surrounds the building. To meet the needs of the requisite improvements, the unutilized portion of the exterior building footprint was in-filled. The design also calls for a mezzanine level in the gate area. A clerestory ceiling was designed to create a bright, modern environment. KEITH, working as a subconsultant partner, provided the civil engineering design and permitting of the airside and landside water distribution and sanitary sewer improvements, as well as the paving and drainage improvements. KEITH is also providing topographic surveying services and subsurface utility engineering services. Our excellent working relationship with the staff at Broward County Water and Wastewater Services (BCWWS) afforded us the ability to obtain a fire flow modeling results from their staff early in the process. Numerous other subconsultants are involved in this project team and we have been coordinating and working closely with many of them in the mutual development of the design and construction drawings. In addition to the typical civil engineering design role, we are assisting with 3D modeling of the existing structure and integrating the proposed designs. This is one of the first BIM project to utilize the newly adopted BCAD BIM standard. To establish the base for the model, we utilized state-of-the-art survey equipment and the 3D laser scanner. The scanner shoots over 100,000 points a second while creating a complete 3D point cloud of existing conditions. The point cloud was utilized to start modeling the existing building and establish a state-plane coordinate base location. KEITH created a model of the proposed improvements and some of the existing using Revit & AutoCAD Civil 3D. Navisworks was utilized to run clash detections for the entire site. The team is currently beginning to create and populate the COBie data set that will be part of the BIM deliverable. Along with the COBie data set IFC files are also required. These files have been populated and will be sent along with the BIM deliverable.



1. Ability of Professional Personnel Relevant Qualifications

**Client:**

Gresham Smith, Fort Lauderdale, FL 33301
954-322-4433

Project Description:

The major goal of the Terminal 3 Modernization is to improve passengers' experience by relocating and expanding the security check points in its two Concourses E and F, changing the shops and restaurants on Las Olas Blvd from pre-security to post security, adding new restaurants and shops for passengers post security, overall enhancement of the terminal's appearance and adding new restrooms and renovating existing restrooms. The FLLAIR's main goal is to provide a better customer experience through modern facilities. KEITH, working as a subconsultant, is responsible for the landside civil engineering design services and airside water distribution and sanitary sewer collection system design services. Keith and Associates is also providing Vacuum Excavation (Impervious-Airside) with the supporting Surveying services. Design challenges include modification of water and sanitary sewer systems that have been recently installed for the Terminal 3 Baggage System (CBIS) project. Our excellent working relationship with the staff at Broward County Water and Wastewater Services (BCWWS) has afforded us the ability to preview our proposed design work with them and obtain the fire flow modeling results from their staff early in the process. Numerous other subconsultants are involved in this project team and we have been coordinating and working closely with many of them in the mutual development of the design and construction drawings. In addition to the typical civil engineering design role, we are assisting with 3D modeling of the existing structure and integrating the proposed designs. This is one of the first BIM project to utilize the newly adopted BCAD BIM standard. To establish the base for the model, we utilized state-of-the-art survey equipment and the 3D laser scanner. The scanner shoots over 100,000 points a second while creating a complete 3D point cloud of existing conditions. The point cloud was utilized to start modeling the existing building and establish a state-plane coordinate base location. KEITH created a model of the proposed improvements and some of the existing using Revit & AutoCAD Civil 3D. Navisworks was utilized to run clash detections for the entire site. The team is currently beginning to create and populate the COBie data set that will be part of the BIM deliverable. Along with the COBie data set IFC files are also required. These files have been populated and will be sent along with the BIM deliverable.



1. Ability of Professional Personnel
Relevant Qualifications



Client:

Broward County Aviation Department
Marc Gambrell, Chief Development Officer at Broward County Aviation Department
Dania Beach , FL 33312
954-359-6100, mgambrell@broward.org

Project Description:

Construction Project Services - Extension of Broward County Aviation Department staff responsible to manage the Construction Manager at Risk construction project as the Owner's Representative; responsible for quality assurance, design and safety oversight, and contract compliance associated with completing renovation and expansion construction work for: New airline ticket counters and airline ticket offices (ATO); Expanded Customs and Federal Inspection Services (FOS) areas with new vertical circulation cores; Miscellaneous tenant build-out and associated relocations; Elevator and escalator replacements.

As CBE prime consultant, KEITH was responsible for project oversight to include construction administrative services, managing design schedules and design packages, assisting with logistics, planning, monitoring, permitting, safety coordination, security compliance, field inspections, invoice review, change management, cost performance, quality assurance and control, from start-up through final completion including commissioning all warranties, as-builts, and record drawings.



1. Ability of Professional Personnel
Relevant Qualifications



Client:
RS&H
Fort Lauderdale, FL 32201
954-236-7366

Project Description:
KEITH and Jacobs, as subconsultants to RS&H, assisted with the major Northeast Airfield Improvements at Palm Beach International Airport. The PBC DOA identified under utilized land at the East Remote Apron and determined to expand the apron to the east. In addition to this massive paving, grading, and drainage project, the team also relocated the taxiway connectors to Taxiway H and D, offsetting them to not have a direct connection to Runway 10L-28R. This taxiway connector relocation required the existing water main serving Concourse C to be relocated and directional buried to ensure proper cover and minimal disruption to air traffic. KEITH and Jacobs had been involved with the preliminary field investigation phase, design phases, and now the construction management phase, ensuring the project was built to FAA and PBC DOA standards and closed out properly. The estimated construction cost of this project is \$28,700,000.



Craig Aquart, AIA, CSI, RID, Principal**MC HARRY ASSOCIATES***29 Years Exp. 14 Years MCHarry***RESPONSIBILITY:**

Principal / Project Director

ACADEMIC BACKGROUND:

Master of Architecture 1998, University of Technology, Jamaica

PROFESSIONAL REGISTRATION:

Florida Architect #AR96477

LEED AP / Construction Specifications Institute

Registered Architect - Jamaica



Mr. Aquart has worked in various disciplines of the construction industry since 1990. He is versed in administrating and management of construction projects. His professional experience includes the design, preparation of presentation and architectural working drawings for institutional, commercial and residential projects. He has vast experience in coordinating project professionals in various disciplines and has served as a full time field representative for construction projects of significant magnitude. He prides himself on maintaining satisfied clients by delivering projects on time and within budget. Founded the **Black Architects in the Making (BAM)** Workshops in 2014 and incorporated the program in AIA Miami.

EXPERIENCE:

North Terminal Federal Inspection Facility - The 400,000sf facility incorporates the latest, high-security technology and infrastructure to support Customs and Border Protection rapidly processing over 27,000 passengers a day. Specialty infrastructure includes heavy duty contraband grinders with acid waste disposal and 2, sound proof kennels with dog baths and specialty waste plumbing. Center for Disease Control technology and circulation design provides for CDC to identify, treat and/or extract infected passengers without impacting FIS operations. The multi level facility includes a 60,000sf passport control processing hall on level 3, an 80,000sf baggage claim/inspection hall on level 2, and a 10,000sf meeter/greeter lobby on level 1. The FIS Facility is capable of processing 4,000 international passengers per hour.

Miami International Airport TSA Equipment Integration - Developed Construction documents and secure building permit for deployment and decommissioning of a new Transportation Security Equipment in support of passenger screening at 7 checkpoints at MIA Central and South Terminal.

Miami International Airport CCE Satellite APM Replacement - A Design-Build project for replacement of the Automated People Mover system connecting the main passenger terminal building to the Satellite E Terminal Building at Miami International Airport. The APM system includes two trains, elevated guideway and running surfaces, train maintenance facilities, operating systems, and related elements. The fixed facilities part of the contract includes Phase 1A (South Track) and Phase 1B (North Track).

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

MIA TOP APM Station Platform Improvement: A/E team will conduct on site visual surveys and analysis of existing conditions as necessary to facilitate the development of a practical design solution.

MIA Wayfinding Ticket Counter Numbering: Implementation of new static sign boxes will be located immediately adjacent to existing 'Translux' digital dynamic signs located over each pair of ticket counters throughout north/central and south terminal level 2

Key West City Hall at Glynn Archer Elementary School (LEED Platinum)

The 37,000sf two story facility will provide office space for 13 City Departments, the City Commission Offices and an Auditorium to be used as Commission Chambers/multiuse event space, shared conference rooms, a fitness center with a locker/shower room, recycling area, and support functions. There are two elevators, one in each building, two sets of stairs and two ramps, and four main restrooms, two per floor. A central lobby space for reception and an information area direct visitors and provide security control.

Lourdes Solera, FAIA, RID, LEED AP, Principal**MC HARRY ASSOCIATES***32 Years Exp. 21 Years MCHarry***RESPONSIBILITY:**

Principal - Project Architect

ACADEMIC BACKGROUND:

University of Virginia, Master of Architectural History, 1991

Mississippi State University, Bachelor of Architecture, 1987

PROFESSIONAL REGISTRATION:

Florida Architect #AR0014445



Ms. Solera has over 30 years of experience as an architect committed to both public service and advancing the cause of architecture. Ms. Solera has served the profession thru a variety of leadership positions at the American Institute of Architects (AIA) including AIA Miami 2004 President, Director at the Florida AIA Board and currently is the First Vice President- President Elect of the Florida AIA Board. Her commitment to public service and historic preservation is reflected in her years at the City of Miami Historic and Environmental Preservation Board, Florida's Board of Architects and Interior Design and currently serving on Miami-Dade County's Historic Preservation Board. She has also served as an adjunct professor at the School of Architecture at Florida International University. These endeavors have been balanced with the application of her extraordinary management skills, refined over time, on numerous public & private sector projects. Through this body of work, Ms. Solera has acquired considerable experience in the full range of architectural skills necessary to move highly technical and complex building types through programming, design/documentation, construction administration and closeout.

EXPERIENCE:

Miami International Airport - CCF Modernization Study: Drafting and site verification on existing conditions for a modernization study, which includes the expansion of the south side hold rooms of Concourse F and a consolidated security checkpoint between Concourses F and E.

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

North Terminal Federal Inspection Facility - The 400,000sf facility incorporates the latest, high-security technology and infrastructure to support Customs and Border Protection rapidly processing over 27,000 passengers a day. Specialty infrastructure includes heavy duty contraband grinders with acid waste disposal and 2, sound proof kennels with dog baths and specialty waste plumbing. Center for Disease Control technology and circulation design provides for CDC to identify, treat and/or extract infected passengers without impacting FIS operations. The multi level facility includes a 60,000sf passport control processing hall on level 3, an 80,000sf baggage claim/inspection hall on level 2, and a 10,000sf meeter/greeter lobby on level 1. The FIS Facility is capable of processing 4,000 international passengers per hour.

MIA Ground Transportation Improvements - Completed in multiple bid packages; includes the design of a new \$28 million, 1500 car mixed-use parking garage, 7-story 300 lf pedestrian mall, \$25 million renovation to four existing garages; integral bus stations; central landscaped plaza; and a \$19 million 16-bay central revenue collection plaza

Atlantic Sapphire Salmon Farm: Comprised of a nine acre facility completely under roof containing 36 grow tanks each 26,000sf in size and augmented with a sophisticated series of bio-filters, intake water temperature controls and effluent treatment systems. Construction Cost: \$113M

Key West City Hall at Glynn Archer Elementary School (LEED Platinum) The 37,000sf two story facility will provide office space for 13 City Departments, the City Commission Offices and an Auditorium to be used as Commission Chambers/multiuse event space, shared conference rooms, a fitness center with a locker/shower room, recycling area, and support functions.

Miami Dade College: Eduardo Padron Campus Building 6 Renovation: Assisted with construction documents and construction administration of a 488,000 square foot facility that includes approximately 240,000 square feet of parking on four levels and approximately 230,000 net square feet of space on the ground, mezzanine, and tower levels. The Building 6 renovation project includes academic and support spaces throughout the building, a new exit stair and elevator tower, an exterior corner digital LED screen, and exterior façade remediation.

Lawrence Arrington, AIA, RID, CSI, NCARB, LEED® AP BD+C

MC HARRY ASSOCIATES 43 Years Exp. 35 Years MCHarry

RESPONSIBILITY:

Sr. Project Manager

Specifications / Quality Control (Code Compliance / Document Coordination) / LEED

ACADEMIC BACKGROUND:

Post-Graduate Studies in Construction Management 1990-1992, Florida International University

Post-Graduate Studies in Business Administration 1980-1982, Florida International University

Master of Arts in Architecture, 1978, University of Florida

Bachelor of Design in Architecture, 1976 University of Florida

Associate of Arts, 1973 University of Florida



PROFESSIONAL REGISTRATION:

Florida Architect #8516 / Florida Interior Designer #5590 / Georgia Architect #5317 / NCARB Certification /

CAL EMA Post Disaster SAP Evaluator / LEED Accredited Professional, Building Design & Construction

PROFESSIONAL AFFILIATIONS:

American Institute of Architects

National Aeronautic Association

Greater Miami Aviation Association

EXPERIENCE:

Mr. Arrington has over thirty-five years of professional experience as a licensed architect specializing in the planning, design and construction administration of public-use facilities for a variety of government agencies, including almost thirty years of specialized professional experience in the planning; design and project management / coordination of large, complex airport facilities improvements.

Related Projects:

Terminal Wide People Mover System, Miami International Airport, Miami, Florida USA : Responsible for planning, design, contract documents, cost estimates, sequence of construction, bidding and negotiation and construction administration for dedicated third level Terminal pedestrian circulation system connecting Concourses B through H with Parking Garages 2,3, and 5, column and foundation strengthening, LVD ventilation improvements, elevators, and related terminal and garage improvements.

Terminal Wide People Mover System, Vertical Circulation Modules, Miami International Airport, Miami, Florida, USA : Responsible for the planning, design, contract documents, cost estimates and sequences of construction for terminal improvements including new elevators, escalators, and stairs connecting the departure and arrivals levels with the third level People Mover System, reconfiguration of first and second level terminal entrances and concessions areas, terminal life safety system improvements, reconfiguration of the first floor baggage claim, restroom, and service areas and third level Concourse Connectors at Concourses C, D, F, G, and H.

Terminal Wide People Mover System Walkway Equipment, Miami International Airport, Miami, Florida, USA : Responsible for the planning, contract documents, cost estimates and construction schedules for moving sidewalk equipment to be assigned and installed as part of four separate general construction contracts throughout the terminal; this project has since served as the model for subsequent "assigned equipment contracts".

Central Chiller Plant (East), Miami International Airport, Miami, Florida, USA: Participated in program verification and schematic design for a new central chiller plant and cogeneration facility.

Terminal Interiors and Finishes Study, Miami International Airport, Miami, Florida, USA: Responsible for research and development of ticket island configuration and design, column enclosures, signage systems, concessions mall design, carpeting and ceilings, natural and artificial lighting systems, conveyance systems, and other components of the terminal interiors to be incorporated into Dade County Aviation Department Design Guidelines. Assisted in the research and development of prototypical American with Disabilities Act compliant ticket counter design.

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

Lawrence Arrington, AIA, RID, CSI, NCARB, LEED® AP BD+C

EXPERIENCE:

Terminal Interiors and Finishes Study, Miami International Airport, Miami, Florida, USA: Responsible for research and development of ticket island configuration and design, column enclosures, signage systems, concessions mall design, carpeting and ceilings, natural and artificial lighting systems, conveyance systems, and other components of the terminal interiors to be incorporated into Dade County Aviation Department Design Guidelines. Assisted in the research and development of prototypical American with Disabilities Act compliant ticket counter design.

Terminal Concessions “Main Street” Study, Miami International Airport, Miami, Florida USA: Responsible for research and development of terminal concessions area storefronts, pedestrian circulation areas, seating areas, finishes, natural and artificial lighting systems and other components of the terminal concessions areas to be incorporated into Dade County Aviation Department Design Guidelines.

Terminal F, Interim Improvements for United Airlines, Miami International Airport, Miami, Florida, USA: Responsible for planning, design, contract documents, cost estimates, and sequence of construction for temporary improvements to existing Concourse F to accommodate the relocation of United Airlines expanding operations, facility improvements include line maintenance stores, enlarged holdroom areas, and related apron improvements to accommodate wide-body aircraft at Gates F-6 and F-8.

Terminal F Expansion Phase II, Miami International Airport: Responsible for planning, design, contract documents, cost estimates, and sequence of construction for major demolition, remodeling and expansion of existing Terminal F to accommodate wide-body international flights and increase holdroom capacity at Gates F-6 and F-8 and increase holdroom capacity at Gate F-4. Project scope elements includes the addition of a new freely-accessed moving walkway between the terminal and the headhouse, remodel and expand moving walks in the existing sterile connector to allow for interface with sterile circulation from Gates F-6 and F-8.

Terminal F Renovation and Expansion Project - Phase III: Miscellaneous Concourse improvements. Remodel and expand existing restroom facilities in compliance with ADA and Florida “potty parity” laws, add concessions areas, add new elevators, escalators, and stairs for both sterile and domestic circulation, upgrade apron storm runoff system and related apron improvements, provide shell space for glycol chiller equipment and ramp level airline operations facilities.

North Terminal Federal Inspection Facility - The 400,000sf facility incorporates the latest, high-security technology and infrastructure to support Customs and Border Protection rapidly processing over 27,000 passengers a day. Specialty infrastructure includes heavy duty contraband grinders with acid waste disposal and 2, sound proof kennels with dog baths and specialty waste plumbing. Center for Disease Control technology and circulation design provides for CDC to identify, treat and/or extract infected passengers without impacting FIS operations. The multi level facility includes a 60,000sf passport control processing hall on level 3, an 80,000sf baggage claim/inspection hall on level 2, and a 10,000sf meeter/greeter lobby on level 1. The FIS Facility is capable of processing 4,000 international passengers per hour.

Miami International Airport - CCF Modernization Study: Assisted with drafting and site verification on existing conditions for a modernization study, which includes the expansion of the south side hold rooms of Concourse F and a consolidated security checkpoint between Concourses F and E.

Miami International Airport - MIA Jet Engine Test Cell Facility: This project is to develop a conceptual layout and establish the design criteria necessary to accommodate a new Jet Engine Test Cell to replace existing jet engine test facilities currently located within the MIA cargo area. The Miami-Dade Aviation Department (MDAD) intends to furnish the completed project books to architectural and/or engineering consultants, to facilitate and proceed with the design effort of this facility.

Miami International Airport - Cargo Fumigation Facility: This project is to develop a conceptual layout and establish the design criteria necessary to accommodate a new Cargo Fumigation & Refrigeration Facility to replace existing cargo fumigation facilities currently located within or near the MIA cargo area. The Miami-Dade Aviation Department (MDAD) intends to furnish the completed project books to architectural and/or engineering consultants, to facilitate and proceed with the design effort of this facility.

Esther Monterrey, RA, AIA
MC HARRY ASSOCIATES*6 Years Exp. 5 Years MCHarry***RESPONSIBILITY:** Project Manager/Design Doc. & Const. Admin**ACADEMIC BACKGROUND:** Florida International University, Master of Architecture 2015**PROFESSIONAL REGISTRATION:** Florida Architect #AR100733

Ms. Monterrey has six years of professional experience. After graduating with a master degree, she joined the MC Harry team and has worked with project managers on scope validation, site conditions/analysis, and all design phases on multiple large scale projects.

EXPERIENCE:

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

Miami International Airport - CCF Modernization Study: Assisted with drafting and site verification on existing conditions for a modernization study, which includes the expansion of the south side hold rooms of Concourse F and a consolidated security checkpoint between Concourses F and E.

Miami International Airport - MIA Jet Engine Test Cell Facility: This project is to develop a conceptual layout and establish the design criteria necessary to accommodate a new Jet Engine Test Cell to replace existing jet engine test facilities currently located within the MIA cargo area. The Miami-Dade Aviation Department (MDAD) intends to furnish the completed project books to architectural and/or engineering consultants, to facilitate and proceed with the design effort of this facility.

Miami International Airport - Cargo Fumigation Facility: This project is to develop a conceptual layout and establish the design criteria necessary to accommodate a new Cargo Fumigation & Refrigeration Facility to replace existing cargo fumigation facilities currently located within or near the MIA cargo area. The Miami-Dade Aviation Department (MDAD) intends to furnish the completed project books to architectural and/or engineering consultants, to facilitate and proceed with the design effort of this facility.

MIA Wayfinding Ticket Counter Numbering: Implementation of new static sign boxes will be located immediately adjacent to existing 'Translux' digital dynamic signs located over each pair of ticket counters throughout north/central and south terminal level 2

Miami International Airport - CCE Satellite APM Replacement: Replacement of the Automated People Mover system connecting the main passenger terminal building to the Satellite E Terminal Building at Miami International Airport.

Atlantic Sapphire Salmon Farm: Atlantic Sapphire's sustainable Atlantic Salmon Brand utilizes cutting-edge *Oceanus* technology to provide ideal living conditions to create optimum salmon growth while removing the negative impact to the environment. The project is comprised of a nine acre facility completely under roof containing 36 grow tanks each 26,000sf in size and augmented with a sophisticated series of bio-filters, intake water temperature controls and effluent treatment systems. Construction Cost: \$113M

Miami Dade Parks & Recreation - Southridge Park Community and Aquatic Center: Planning and Design services for a 15,000sf facility with a large two story colonnade defining primary circulation through the complex and linking the community center multipurpose rooms and fitness center with a splash pad and 8 lane competition swimming pool.

Miami Dade College: Eduardo Padron Campus Building 6 Renovation: Assisted with construction documents and construction administration of a 488,000 square foot facility that includes approximately 240,000 square feet of parking on four levels and approximately 230,000 net square feet of space on the ground, mezzanine, and tower levels. The Building 6 renovation project includes academic and support spaces throughout the building, a new exit stair and elevator tower, an exterior corner digital LED screen, and exterior façade remediation.

Key West City Hall at Glynn Archer Elementary School (LEED Platinum) - The 37,000sf two story facility will provide office space for 13 City Departments, the City Commission Offices and an Auditorium to be used as Commission Chambers/multiuse event space, shared conference rooms, a fitness center with a locker/shower room, recycling area, and support functions. There are two elevators, one in each building, two sets of stairs and two ramps, and four main restrooms, two per floor. A central lobby space for reception and an information area direct visitors and provide security control.

Ralph Gonzalez

MC HARRY ASSOCIATES

37 Years Exp. 34 Years MCHarry



RESPONSIBILITY:

Assistant Project Manager/Design Doc. & Const. Admin

ACADEMIC BACKGROUND:

Florida International University, 1985

Associate of Arts, Miami Dade College 1984

EXPERIENCE:

Mr. Gonzalez has over 30 years of professional experience. He has spent the last several years as MCHarry Associates' lead field representative for transportation and parking garage facilities. He has been responsible for contract documentation and construction administration for numerous renovation / expansion / repair projects for public sector projects.

Related Projects include:

Terminal Wide People Mover System-Bid Package G-1: Clerk of the Works for Retrofit and renovation of elevated moving walks from the parking garages to the terminal, including HVAC and smoke evacuation systems, interior/exterior finishes and construction of new entrance lobbies.

Ground Transportation Improvements-Bid Package A: On-site Architectural Field Representative for renovations and retrofit of four parking garages, including elevator cores, life safety systems, signage, and off-site bus shelters/parking.

Ground Transportation Improvements-Bid Package B-2: On-site Architectural Field Representative for Parking Garage no.7, a six story \$27 million, 1,500 space new parking garage, which included moving escalators and skylight system.

CCF Ramp Level Remodeling: Clerk of the Works for Ramp level remodeling of Concourse F, a \$3.5 million renovation and expansion of existing tenant occupied spaces, and construction of new offices / locker rooms for United Airlines.

CCF Ramp Level Remodeling - Phase 2: Architectural Field Representative for several new facilities at CCF, including a combustible Storage room and Command Center for UAL, remodeling of existing areas, and installation of Fire Sprinkler system thru-out the ground level.

North Terminal Development, Federal Inspection Services, Miami International Airport, Miami, Florida

A 405,000sf international arrivals complex processing more than 27,000 peak hour passengers per day. Project elements include Immigrations and Public Health inspection, bag claim, Customs and APHIS inspection, baggage re-check and passenger re-ticket stations, and a greeters lobby. The facility incorporates the latest high-security technology for the *U.S. Customs & Border Protection (CBP)*; *Animal and Plant Health Inspection Services (APHIS)*; the *Department of Fish and Wildlife*; and the *Center for Disease Control (CDC)*. The multi level facility includes a 60,000sf passport control processing hall on level three, and an 80,000sf baggage claim/inspection hall on level two. The FIS Facility is capable of processing 3,500 international passengers per hour.

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

Miami International Airport - MIA Jet Engine Test Cell Facility: This project is to develop a conceptual layout and establish the design criteria necessary to accommodate a new Jet Engine Test Cell to replace existing jet engine test facilities currently located within the MIA cargo area. The Miami-Dade Aviation Department (MDAD) intends to furnish the completed project books to architectural and/or engineering consultants, to facilitate and proceed with the design effort of this facility.

Key West Naval Air Station: General A/E consultant to the base for various roofing studies & investigations, repair and renovation to various military structures.

Lisette Boosooboy, LEED AP
MC HARRY ASSOCIATES*15 Years Exp. 15 Years MCHarry***RESPONSIBILITY:**

Project Coordinator

ACADEMIC BACKGROUND:Masters of Interior Architecture, Florida International University, 2013
Bachelor of Interior Design, Florida International University, 2005**PROFESSIONAL REGISTRATION:**

LEED Accredited Professional

PROFESSIONAL AFFILIATIONS:

International Interior Design Association

**EXPERIENCE:**

Ms. Boosooboy has over 12 years of professional experience. She has spent the last several years as MCHarry Associates' lead interior designer for higher education projects. She has been responsible for contract documentation and construction administration for numerous renovation / expansion / repair projects for public and educational sector projects.

Related Projects include:

Miami International Airport Terminal Wide People Mover System-Bid Package G-1: Assisted with planning and renovation of elevated moving walks from the parking garages to the terminal, including HVAC and smoke evacuation systems, interior/exterior finishes and construction of new entrance lobbies.

North Terminal Development, Federal Inspection Services, Miami International Airport, Miami, Florida

A 405,000sf international arrivals complex processing more than 27,000 peak hour passengers per day. Project elements include Immigrations and Public Health inspection, bag claim, Customs and APHIS inspection, baggage re-check and passenger re-ticket stations, and a greeters lobby. The facility incorporates the latest high-security technology for the *U.S. Customs & Border Protection (CBP)*; *Animal and Plant Health Inspection Services (APHIS)*; the *Department of Fish and Wildlife*; and the *Center for Disease Control (CDC)*. The multi level facility includes a 60,000sf passport control processing hall on level three, and an 80,000sf baggage claim/inspection hall on level two. The FIS Facility is capable of processing 3,500 international passengers per hour.

Miami Dade College Eduardo Padron Campus Building 6 Renovation Interior Design for a 488,000 square foot facility that includes approximately 240,000 net square feet of parking on four floors and approximately 230,000 net square feet of space on the ground floor, mezzanine, and tower floors. The Building 6 phase II renovation project will provide academic and support spaces on the ground level, mezzanine level and tower levels 5 through 7, as well as address the exterior façade of the parking garage. The project also includes a new exit stair tower and elevators.

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

City of Miami Dinner Key Marina Dockmaster Facility LEED Gold Located in the historic and fashionable Coconut Grove neighborhood of Miami, Dinner Key Marina is Florida's largest wet-slip marina with space for 582 boats. To stay in step with ever growing demand, the area recently underwent a massive renovation, including MC Harry's newly constructed, 9,700sf Dockmaster Facility. The finishes and color palette were carefully selected to coordinate with the unique waterfront environment. Prepared finishes boards and assisted the client with final furniture selections.

Key West City Hall at Glynn Archer Elementary School (LEED Platinum) The 37,000sf two story facility will provide office space for 13 City Departments, the City Commission Offices and an Auditorium to be used as Commission Chambers/multiuse event space, shared conference rooms, a fitness center with a locker/shower room, recycling area, and support functions. There are two elevators, one in each building, two sets of stairs and two ramps, and four main restrooms, two per floor. A central lobby space for reception and an information area direct visitors and provide security control.

Midori Shim, NCIDQ, IIDA, LEED**MC HARRY ASSOCIATES***4 Years Exp. 2 Years MCHarry***Project Assignment:**

Interior Designer

Education:Masters of Interior Architecture, Florida International
University, 2017

Associates of Interior Design, Miami Dade College, 2014

Professional Affiliation:

IIDA Associate, LEED Green Associate

Professional Registration:

NCIDQ#35964



Ms. Shim has over 3 years of professional experience. She has spent the last year as MCHarry Associates' associate interior designer for miscellaneous projects. She has been responsible for interior design, finishes selection, contract documentation and construction administration for numerous renovation / expansion / repair projects for public and educational sector projects.

Relevant Experience

MIA TOP Central Terminal Façade: AE team will conduct visual surveys and analysis of existing conditions including review of MDAD record drawings related to North, Central and South Terminals.

Atlantic Sapphire—Homestead Fish Farm

Interior Design for a large pre-engineered metal facility in Homestead, Florida, that will expand over 40 acres of vacant land to enclose various large fresh and salt water systems that will be used to grow and harvest Atlantic Salmon. MC Harry provided design work, space planning, collaborate with furniture vendors and fabricators, specified interior finishes, coordinating and integrating various design and construction teams each assigned various components of the overall design.

Larry and Penny Thompson Memorial Park, RV Campground - Miami, Florida

Interior Design for an existing 270 acres which houses natural South Florida woodland, bridle trails, hiking paths, 240 separate campsites and individual facilities. MC Harry addressed renovations and modifications of structural components and selection of new finishes, color palette, and restroom accessories to the four large restroom/laundry facilities.

FIU at I-75, Public Policy Administration RM 339 - Miramar, Florida

Interior Design for a joint-use facility which holds an existing unoccupied space of approximately 900sf compromised of a reception area, a break space, four workstations, three offices, a storage space and a break space. Worked with end-users to establish crucial needs and subsequently developing the interior architecture and space planning.

UF Field Research Lab - Homestead, Florida

Interior Design for a new research facility of 1,200sf CMU structure per applicable governing building, mechanical, electrical, plumbing and fire prevention codes. Building will be designed to satisfy the user's requirements with infrastructure to properly house equipment. Coordinated finishes to meet end-user's needs.

FIU PG6 155 Outreach Lab - Miami, Florida

Interior Design for a retail space of 1,850sf located on the ground floor of Parking Garage No. 6, 'Room 155' is now renovated to suit program requirements of the Sunshine Community to design a secure space to allow a range of activities for a maximum of 20 autistic adults. Renovations include the design and selection of new finishes and color palette for the entry foyer, reception area, Administration office, Collaboration room, a multisensory room, a calming room, a break room, storage spaces and alterations to existing restrooms.

Hilton Miami—Café Store - Miami, Florida

The project includes interior design services such as FF&E and food equipment selections. Café will have a coffee and light food service, a lounge area, and a retail store with sundries/souvenir items. The design will allow the Café and Retail areas to be secured when not in operation, while maintaining the required egress path from the Lobby at all times. The finishes have been selected to complement the Hilton Design Standards and existing interior of the lobby level.



Mr. Eric J. 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.

EDUCATION

- Bachelor of Science, Mechanical Engineering, University of the West Indies, 1973
- Diploma, Electrical Engineering, University of Technology, 1967

REGISTRATION/LICENSES

Florida Professional Engineer PE39008



Eric J. Hammond,

PE

PRINCIPAL | MECHANICAL ENGINEER

RELEVANT EXPERIENCE

Fort Lauderdale/Hollywood International Airport Terminal 4 Eastern Phase, Fort Lauderdale, FL

- 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. Role: Principal-in-Charge, Mechanical Engineer

Fort Lauderdale/Hollywood International Airport Terminal 4 Western phase, Fort Lauderdale, FL

- 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.* Role: Principal | Mechanical Engineer

Terminal 4 Renovations Phase 1A and 1B - Fort Lauderdale-Hollywood, International Airport, FL

- Renovation of the Airline Ticket Office and the Federal Inspection Service areas in Terminal 4. Reconfigured Baggage Handling System and enhanced TSA areas. Role: Principal | Mechanical Engineer

MIA INS-Pass Pilot Program, Project # C-O99A, Miami International Airport (MIA), Miami, FL

- Provided Plumbing and Fire Protection design services, customized counters and modified inspection counters for INS-Pass Kiosks installations. Role: Principal | Mechanical Engineer

Re-roofing at Building 5A, at Miami-International Airport (MIA) Miami, FL

- Provided Mechanical and Electrical construction documents, schedules, and construction costs for the re-roofing of Building 5A. Role: Principal | Mechanical Engineer

Federal Inspection Services Temporary Remodel, Miami-International Airport, Miami, FL

- Design for Federal Inspection Services for future construction of the "B" to "V" Infill. Reconfigured Baggage Handling, Inspection Station, Naturalization Services, and Search Rooms. Role: Principal | Mechanical Engineer

Re-roofing at Building 5A, Project #, Miami-International Airport - Miami, FL

- 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. Role: Principal | Mechanical Engineer

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

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. Role: Principal | Mechanical Engineer



Stephen Farquharson is an Electrical Engineer with over 14 years of Electrical Engineering Design and 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.

EDUCATION

Bachelor of Science Electrical Engineering
Florida Atlantic University, 2006

REGISTRATION/LICENSES

LEED Accredited Professional



Stephen Farquharson,

LEED, AP

PROJECT MANAGER | ELECTRICAL ENGINEER

RELEVANT EXPERIENCE

Fort Lauderdale/Hollywood International Airport Terminal 4 Eastern Phase, Fort Lauderdale, FL

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. Role: Project Manager | Electrical Engineer

Fort Lauderdale/Hollywood International Airport Terminal 4 Western phase, Fort Lauderdale, FL

The Terminal 4 modernization at FLL includes expanding the terminal area from 60,000 sf to 490,000 sf 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. Role: Project Manager | Electrical Engineer

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

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. Evaluated condition of existing HVAC Equipment currently serving the space to be renovated. Role: Project Manager | Electrical Engineer

MDAD TAC N AA-033A, Signature Flight Support Interior Renovations at Miami Opa-Locka Executive Airport

The project is an interior renovation/ refurbishment of the existing two story Terminal Building leased by Signature Flight Support. The renovations include a new bistro and passenger waiting area, re-theming of the main two-story lobby by re cladding the stair, adding new light fixtures and new counters as well as removing interior elements. The pilot's facilities were moved to the second floor and expanded to include sleep rooms, an entertainment area and a flight planning room. The restroom renovation included ADA upgrades and showers. The floors and wall panels were replaced throughout the building as well as lighting and HVAC. Hammond & Associates provided Electrical, plumbing and fire protection design services. Role: Project Manager | Electrical Engineer

Port Everglades Cruise Terminal 4, Ft. Lauderdale, FL - 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. Hammond & Associates Mechanical, Electrical, Plumbing, Fire Protection. Role: Project Manager | Electrical Engineer

New Toll Plaza - Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, FL- 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. Role: Project Manager | Electrical Engineer



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.

EDUCATION

B.S. Electrical Engineering, 1966 University of the West Indies, St. Augustine, Trinidad

REGISTRATION/LICENSES

Professional Engineer PE# 51151 (Florida) 1987



Donald Dixon,

PE

ELECTRICAL ENGINEER

RELEVANT EXPERIENCE

Monitoring of Main Power Distribution, Project #, Miami Dade Aviation Department, Miami, FL - 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. Role: Electrical Engineer

Building 3039 at Alpha Caterers Electrical, Project #, Miami Dade Aviation Department - Miami, FL - 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. Role: Electrical Engineer

Re-roofing at Building 5A, Project #, Miami-International Airport - Miami, FL - 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. Role: Electrical Engineer

Security Operation Control Center (SOCC), Project #, Miami Dade Aviation Department - Miami, FL - 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. Role: Electrical Engineer

Renovations of Building 16, Miami International Airport - Miami, FL 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. Role: Electrical Engineer

Building 5A, 4th Floor Electrical Code Compliance, Project #, Miami-Dade Aviation Department, Miami International Airport - Miami, FL - 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. Role: Electrical Engineer

499 NW 70th Avenue, Suite 201, Plantation, FL 33317, Telephone (954) 327-7111

Charl J. Nesor, MRICS, CCP | Cost Estimator

Overview

Mr. Nesor has 38 years of experience in the construction industry, specializing in cost estimating, cost management, litigation support, quantity surveying, contractor reconciliation, value engineering/management, change order analyses, and project management services. Charl is an experienced project leader, providing scope of work development and cost management strategies, and managing the quality and timeliness of project deliverables. He has worked on projects at more than 85 different airports in last 10 years.



Relevant Experience

Terminal Modernization Program at Pittsburgh International Airport (PIT), Pittsburgh, PA which included several elements such as retail, concessions, food court area, restrooms, escalators, new terminal, airline and airport support spaces, baggage, security, passenger and public circulation spaces, concourses, utilities, roadways, bridges, wayfinding, and a multi-modal complex with parking lots, garage facility, customer service building, passenger walkway and quick-turn-around facility.

Long Term Parking Garage Design at Nashville International Airport (BNA), Nashville, TN which included the construction of a seven-level Parking Garage for 3,762 cars including the civil work, parking guidance system, parking office, toll booth canopies, Consolidated Rental Car Facility (CONRAC) ramp and canopy and a temporary Toll Plaza & Ground Transportation Center (GTC) Exit.

Customer Service Building/Ticket Lobby Study at Cincinnati/Northern Kentucky International Airport (CVG), Hebron, KY included the concept for the interior fit-out of the Customer Service Building / Ticketing Lobby with a total project area of 23,690 square feet, broken down into 19,310 square feet of public space, 1,730 square feet of back of house space, and 2,650 square feet of shell space.

Terminal A Gate Expansion at San Antonio International Airport (SAT), San Antonio, TX that included the following scopes of work: Holdroom Activation; Passenger Boarding Bridge A16 and A1; Ground Service Equipment for A16; Airside Revisions to Accommodate A16; and Passenger Boarding Bridge A9 Rehabilitation.

Concourse Expansion, Security Checkpoint, Federal Inspection Services (FIS) and South Terminal Expansion at Savannah/Hilton Head International Airport (SAV), Savannah, GA which included the following elements: Concourse Expansion Level 1 with 19,781 square feet at the apron level consisting of Operations Offices, Restrooms, Back of House Circulation, Open Area, Tenant Shell, Support spaces and storage spaces. Concourse Expansion Level 2 with 23,988 square feet at the concourse level consisting of Holdroom, Restroom, Circulation, Restaurant / Retail Shell, five new Passenger Boarding Bridge pedestal foundations, and two new and two relocated emergency exit stairways from concourse

EDUCATION

Bachelor of Science, Quantity Surveying, University of the Free State, South Africa | 1981

CERTIFICATION

Member, Royal Institution of Chartered Surveyors (MRICS) #1279586 | 2008

Certified Cost Professional (CCP) #27172 | 1999

YEARS OF EXPERIENCE

38

JOINED CONNICO

2018

AFFILIATIONS

Association for the Advancement of Cost Engineering

Airports Council International (ACI)

OFFICE LOCATION

Atlanta, GA

CONNICO

Charl J. Nesor, MRICS, CCP | Cost Estimator

to apron level. Security Checkpoint Expansion Level 1 with 1,860 square feet at the apron level. Security Checkpoint Expansion Level 2 with 17,400 square feet at the concourse level consisting of Passenger Waiting Lanes, Screening and Holdroom spaces, circulation finish renovations, office spaces, electrical room construction, one new Passenger Boarding Bridge pedestal foundation, and one new emergency exit stairways from concourse to apron level.

New Airport Terminal Design and Construction at Columbia Regional Airport (COU), Columbia, MO project included the construction of an approximately 59,850 square foot Terminal Building, a roadway canopy, and interior finishing of the security screening checkpoint, passenger hold rooms with secure restrooms, in-bound baggage systems and bag claim areas, public circulation routes, and mechanical and electrical rooms. Also included are three passenger boarding bridges, airfield pavement to match existing apron around the new Terminal, and modifications to landside access drives and parking to allow ingress and egress from the existing and new Terminals.

Airfield and Terminal Modernization at Los Angeles International Airport (LAX), Los Angeles, CA that included the demolition of existing pavement; the demolition and relocation of multiple structures including a fuel farm; the construction of new exit and connector taxiways; the construction of a new Taxiway D; new Concourse 0 Terminal Design and Apron Paving; Terminal 9 Enabling Projects, Terminal, Apron, Roadway Concepts and Airfield Improvements; Terminal / Concourse 9 Preliminary Enabling Projects; and New Terminal 9 Parking Deck and Apron. The project also included additional elements such as hold room, restroom, gate, security processing area, new baggage handling system, bag claim, walkway, signage elements, fire protection, heating/ventilation/air conditioning (HVAC), airfield and site lighting, and access control elements.

Baggage Handling System (BHS) Evaluation & Master Plan at Nashville International Airport (BNA), Nashville, TN that included the following elements: evaluate the existing BHS; forecast future bag demand to quantify equipment needs; develop BHS design options to improve the features of the existing BHS as well as to accommodate future bag demands; categorize the options in short/mid/long terms; and produce phasing recommendations.

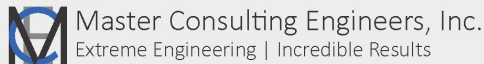
New Terminal Building at Barkley Regional Airport (PAH), Paducah, KY consisted of the construction of a new freestanding regional airport terminal building of approximately 27,147 gross square feet.

Terminal Modernization at Memphis International Airport (MEM), Memphis, TN which included consolidating airline, food, beverage, and retail concessions into the B Concourse and improvements such as additional walkways, wider corridors, larger boarding areas, high-ceiling and increased natural lighting. The removal of the south ends of the A and C Concourses to allow for unobstructed access by aircraft to the entire B Concourse as well as roof replacement work were included in the scope of work. Additional elements included with the project were associated site work and apron replacement; signage; moving walks; closed-circuit television (CCTV); restrooms; finishes; and heating/ventilation/air conditioning (HVAC).

Consolidated Rental Car Facility (CONRAC) at Raleigh-Durham International Airport (RDU), Morrisville, NC project that included fuel farm with tanks / system / yard, piping, valves, and building demolition and sitework.

Outbound Baggage Room Feasibility Study at Cincinnati/Northern Kentucky International Airport (CVG), Hebron, KY that included Concourse A Bag Room Extension with approximately 19,800 square feet, and Concourse A Bag Room Renovation with approximately 11,165 square feet.

CON·NICO



Armando Castellon, PE
Senior Principal

Academic

Master of Science in Civil
& Structural Engineering,
University of Miami

Years of Experience

40 years total experience
in structural design
21 years with MCE

Registrations

FL PE: 43453
FL Threshold Inspector: 0931
NCEES: 32319

Profile

As President of MCE, Armando has designed and successfully overseen many technically challenging projects. His diverse knowledge of state-of-the-art computer applications enables MCE to increase its service capabilities and creates a progressive impact in the engineering industry. He focuses on timely and satisfactory completion of projects and providing creative solutions to the many challenges projects can often have.

Key Project Experience

TPA Main Terminal Curbside Expansion | Tampa, Florida

Role: Principal in Charge | Type: New Construction | Construction Cost: \$250 M
| Description: The TPA Main Terminal consists of a 150,000 SF expansion of the curbsides, incorporating new elevated and at-grade lanes, a new Central Utility Plant and vertical circulation buildings for both the blue and red sides.

Palm Beach International 3rd Level Renovations | Palm Beach, Florida

Role: Principal in Charge | Type: Renovation | Construction Cost: \$1.68 M
| Description: Palm Beach 3rd Level Renovations involved existing space finishes. MCE provided structural assistance for incidental repairs and analyzing the structure for new loading of new finishes.

TPA Consolidated Airport Rescue and Fire Fighting Facility | Tampa, Florida

Role: Principal in Charge | Type: New Construction | Construction Cost: \$9.91 M
| Description: The Tampa International Airport Consolidated Airport Rescue and Fire Fighting Facility (ARFF) consists of a new facility, with an approximate total area of over 28,000 square feet. The building has an expansion joint dividing it into 14,300 square foot offices and living quarters, and a 14,240 square foot fire truck and equipment building. The fire truck and equipment building has a total of five (5) double bays and a mezzanine with tanks for fire fighting foam.

Tampa International Airport Transfer Level and Concessions | Tampa, Florida

Role: Principal in Charge | Type: Renovation | Construction Cost: \$55.8 M
| Description: The 50,000-SF transfer level expansion covers additions to the plaza decks of the Main Terminal building; relocation of the shuttle car lobbies; and removal a former shuttle lobby. The redevelopment program also involved 200,000-SF of renovations to the Main Terminal and all four Airside buildings. The Tampa International Airport Concessions is a 20,000 square foot warehouse on the northeast corner of airport property.

TPA Airside "F" Interior and Shuttle Lobby Modifications | Tampa, Florida

Role: Principal in Charge | Type: Renovation | Construction Cost: \$8 M
| Description: The TPA Airside "F" Interior and Shuttle Lobby Modifications consisted of 92,000 SF of renovations including restroom renovations in the customs and border protection areas, replacement of gate counters, walls, and ticket podiums, a new air handler system, and reworked chilled water loop.

1. Ability of Professional Personnel
ResumesMaster Consulting Engineers, Inc.
Extreme Engineering | Incredible Results**Robert Bell, PE**
Senior Principal**Academic**
Bachelor of Science in
Civil Engineering,
University of South Florida**Years of Experience**
19 years total experience
in structural design
19 years with MCE**Registrations**
FL PE: 74081
FL Threshold Inspector: 74081
NCEES: 13-265-97**Profile**

Robert is an engineering project manager with extensive experience in building design, management, and business development. Robert enjoys the aspect of problem solving and views each project as a unique venture to incorporate structure that fits within the architectural expression. Robert is responsible for structural analysis and design as well as collaboration with BIM with other project team members.

Key Project Experience**TPA ConRac and APM 2 & 3 | Tampa, Florida**

Role: Project Manager | Type: New Construction | Construction Cost: \$730 M
| Description: TPA ConRac and APM 2 & 3 consist of a 2,440,000 SF new rental car facility with three stations along a new 1.4-mile guide-way, with connections to the main terminal, ConRAC and long-term parking garage.

PIE Ticketing A Baggage Claim Upgrades | Clearwater, Florida

Role: Project Manager | Type: New Construction | Construction Cost: \$7.26 M
| Description: PIE Ticketing A Baggage Claim Upgrades consisted of an in-depth analysis of existing facilities and the identification of future terminal expansion and/or reconfiguration to meet current and anticipated demands and changes in facility requirements. Included Ticketing A- Baggage Claim Renovations.

Tampa International Airport Automatic People Mover | Tampa, Florida

Role: Project Manager | Type: New Construction | Construction Cost: \$412 M
| Description: The 1.4-mile train system connects the new rental car facility, terminal and economy parking garage. TPA's new automated people mover, was designed to provide travelers with a convenient and efficient way to move about the airport's 3,300-acre campus. Each car can accommodate 56 passengers, with a peak passenger capacity of 2,500 passengers per hour. Maximum speed is 48 miles per hour.

Miami International Airport- RCC Oil Change | Miami, Florida

Role: Principal in Charge | Type: Renovation | Construction Cost: \$8.52 M
| Description: The Miami RCC Oil Change in the Miami International Airport is an analysis of an existing PT elevated deck for placement of car lifts within facility. There are 2 ancillary buildings of approx. 330 sf each. The building structure will need to be analyzed for the added point loading due to the new lift equipment and slab penetrations for related elements like post-installed connection and plumbing lines.

TPA Shooting Range | Tampa, Florida

Role: Project Manager | Type: New Construction | Construction Cost: \$1.4 M
| Description: Shooting range with a steel bullet containment trap, a solid canopy baffle and a 20' by 100' open building. The structural system for the shooting range consists of pre-cast concrete elements manufactured off site.

SRQ Office Building | Sarasota, Florida

Role: Project Manager | Type: New Construction | Construction Cost: \$14.81 M
| Description: SRQ Office Building was 72,000 sf and consisted of three levels of office over one level of parking.

1. Ability of Professional Personnel
Resumes

Mr. Choudhary over twenty-six (26) years of extensive experience in Transportation Planning and Traffic Operations & Management. Pramod has strong project management capabilities reflected through the successful handling of a wide range of traffic, transportation and roadway design projects in Florida, Georgia, Texas, Louisiana, California, Puerto Rico, and the Grand Bahamas. Mr. Choudhary manages projects on time, within budget, and to the Client's complete satisfaction. Areas of expertise include traffic operations and corridor studies, transportation planning studies, traffic and toll plaza simulation, interchange operational analysis, PD&E studies, safety studies, roadway lighting design, signal design, bicycle and pedestrian plans, parking studies, design traffic and equivalent single axle load, travel time and delay studies, and traffic engineering support for various FDOT Districts, Counties, and Cities.

RELEVANT PROJECT EXPERIENCE

Fort Lauderdale Police Headquarters, Fort Lauderdale, FL: As subconsultant, KEITH provides survey, sub-surface utility locating, planning, civil engineering and landscape architecture services for the Fort Lauderdale Police Headquarters. The Police Headquarters shall be built in phases.1) Parking Garage (including Firing Range) and perimeter landscape buffers to residential neighborhoods2) Initial Site Development: SW 13th Avenue extending up to existing Fleet Maintenance Facility; Restriping of existing surface parking; and Replacement of Radio Tower3) Demolition of outparcel residential buildings and Construction of new Police Headquarters (including Central Plant)4) Demolition of existing Police Headquarters and portion of Fleet Maintenance Facility (if not able to demolish entire facility)5) Final Site Development: Extension of SW 13th Avenue to Broward Boulevard; Create Linear Park along Broward Boulevard; and Remove all surface parking and outparcel buildings as possible.

Sears Town Development, Fort Lauderdale, FL: KEITH is providing services associated with the development of three parcels of land in Fort Lauderdale, generally known as Sears Town. The project is set within the RAC zoning in Fort Lauderdale and is positioned to be a signature development within the City. The project will include a series of high rise towers, parking structures, and a series of connected public realm areas that will create the atmosphere at the ground level. KEITH is providing site plan approval with the City of Fort Lauderdale. KEITH has included services for planning, civil engineering, traffic engineering, and landscape architecture.

Interchange Operational Analysis for SOAR SR 528 (IJR, IMR, IOAR, SOAR, IAJR), Brevard County, FL: Mr. Choudhary was the Project Manager for a number of projects involving interchange operational analysis needed to prepare IJR, IMR, IOAR, SOAR, and IAJRs in Florida and Texas and obtain approval from pertinent agencies; most recently for SOAR for SR 528 in Brevard County, Florida.

General Transportation Planning Consultant Contract, FDOT District One, FL: Mr. Choudhary managed this task order based contract and provided support to FDOT on various planning projects ranging from corridor studies to PD&E projects. He also assisted the Department in reviewing project documents prepared by other consultants.

Districtwide Traffic and Safety Studies, FDOT District Six, FL: Pramod was Project Manager, responsible for leading a team of Traffic Engineers for a 5-year contract with FDOT District 6 for Districtwide Traffic and Safety Studies.

I-95 at SW 10th Street SIMR, FDOT District Four, FL: Pramod managed the Systems Interchange Modification Report for completion in 2020. The study limits extended from Sample Road interchange in the south to Hillsboro Boulevard interchange in the north.



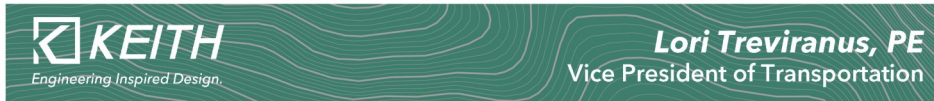
YEARS OF EXPERIENCE
26 years

YEARS WITH KEITH
1 year

EDUCATION
M.S. Transportation
Engineering, University
of Central Florida 1993
B.S. Civil Engineering,
Birla Institute of
Technology 1985

**PROFESSIONAL
REGISTRATIONS**
61641 - Florida
38262 - Georgia

**IMSA Level 1
Technician**
Professional Traffic
Operations Engineer
(ITE)

1. Ability of Professional Personnel
Resumes

Ms. Lori Treviranus has over 19 years of experience in civil engineering, providing the highest quality infrastructure and facility solutions to transportation agencies, local governments, private developers and institutional clients. She is experienced in roadway design, intersection development, super-elevation transitions, roadway modeling, cross-sections, pedestrian/bike paths, master planning, hydrology/hydraulic studies, cost estimation, stormwater control plans preparation, drainage and utility design, NPDES permitting and SWPPP preparation and implementation. In addition, she is familiar with the surveying aspect of civil engineering and has experience working with sustainable designs. Typical scopes of work she has been responsible for include acquisition and due diligence tasks, creation of conceptual plans and assistance with funding throughout the project phases and public outreach activities.

RELEVANT PROJECT EXPERIENCE

FLL North Perimeter Road Water Main Extension, Fort Lauderdale, FL: Fort Lauderdale/Hollywood International Airport (FLL) is running a new water main line along N Perimeter Road, under the I-595 overpass and through the Fixed-base Operator (FBO) parking area. The water main being installed spans a little over 2 miles in length. KEITH provided a full MOT plan in conjunction with the approximate 300 FT of water main installation per day. The MOT plan had to change for each day of installation throughout the 2 mile route. Some MOT features included lane closures near an intersection.

FLL Cell Lot and Perimeter Road Improvements, Fort Lauderdale, FL: KEITH provided professional engineering consultant services for design, engineering, and resident project representative services during construction of airport utility and pavement projects. The projects were a grouping of construction, rehabilitation, and renovation activities. KEITH performed work located landside and airside for FLL and HWO.

FLL Permanent Garage TNC Operation, Fort Lauderdale, FL: KEITH is providing services for design, engineering, and resident project representative services during construction for airport utility and pavement projects. These projects are a grouping of substantially similar construction, rehabilitation, or renovation activities. The work being performed is located landside and airside at the Fort Lauderdale-Hollywood International Airport and North Perry Airport.

FLL Terminal 2 Modernization - T2 Bumpouts, Fort Lauderdale, FL: This extensive modernization project was estimated at a construction cost of \$49.8 million for Terminal 2 and \$38.3 million for Terminal 3. KEITH, working as a subconsultant partner to Gresham, Smith and Partners, was responsible for the survey, subsurface utility investigations, the civil engineering design and permitting of the airside and landside water distribution and sanitary sewer improvements as well as the paving and drainage improvements that are proposed landside. Our excellent working relationship with the staff at Broward County Water and Wastewater Services (BCWWS) afforded us the ability to preview our proposed design work with them and obtain a fire flow evaluation from their staff early in the process. Numerous other subconsultants were involved in this project team. KEITH also assisted with modeling the existing structure and integrating the proposed designs. This is the first BIM project to utilize the BCAD BIM standard. State-of-the-art survey equipment and 3D laser scanner were utilized. KEITH created a model of the improvements using Revit & AutoCAD Civil 3D. Navisworks was utilized to run clash detections for the entire site. The team created and populated the COBie data set that will be part of the BIM deliverable.



YEARS OF EXPERIENCE
19 years

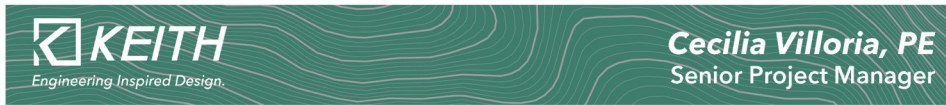
YEARS WITH KEITH
4 years

EDUCATION
B.S. Civil Engineering,
University of Florida
2000

**PROFESSIONAL
REGISTRATIONS**
73684 - Florida

FDOT Advance MOT
Certification 33124
Qualified SWPPP
Development/
Practitioner 66408

**PROFESSIONAL
AFFILIATIONS**
American Society of Civil
Engineers Member
Women in Transportation
Member

1. Ability of Professional Personnel
Resumes

Cecilia has 28 years of progressive experience in planning, executing, designing, and managing engineering projects. She has been involved in all aspects of project management, scheduling, engineering design services (pavement markings and signage, signalization, drainage, Maintenance of Traffic (MOT), specifications packages), preparation of project design reports, development of masterplans, construction inspection services and management of CEI staff. Cecilia has oversaw engineering design projects for municipalities, FDOT, Broward County Aviation Department, and Florida Turnpike Enterprise clients. Her project experience ranges from minor roadway improvement projects to highway design.

RELEVANT PROJECT EXPERIENCE

FLL BSO Parking, Fort Lauderdale, FL: Cecilia was the Project Manager & EOR for the design and preparation of construction drawings to construct 16 parking spaces, at the four terminals, designated for Broward Sheriff's Office or Broward County Aviation Department Staff adjacent to the outside through lane of Terminal Drive on the Arrivals Level of Terminal Drive. The scope of work included preparation of plans and specifications, cost tabulation, permitting submittal and coordination with on-call Contractor. Plans were developed at 30% Schematic Design, 60% Design Development and 90% Construction Drawing levels for review by BCAD staff. Phasing of the work as well as Maintenance of Traffic detailing was included in the design drawings. Safety of the pedestrian traffic was paramount in the design drawings since these parking improvements will be positioned in proximity to the crosswalks. The phasing plan considered other proposed work activities that BCAD may have sequenced in the same time frame as this construction work. Scope of work also included construction engineering inspection services and post design services.

FLL Crosswalk Signalization, Fort Lauderdale, FL: Project Manager & EOR for the design of signalized crosswalks at three locations within the FLL internal loop road for arriving flights. The primary goals of the project are to increase pedestrian safety and improve vehicular traffic flow. The scope of the design includes: layout of traffic signal control equipment; traffic signal wiring; pedestrian signalization and push buttons; ADA ramps; design of bulb-out for pedestrian refuge along the terminal side of the crosswalk; development of coordinated signal phasing and timing of the three signalized crosswalks; emergency vehicle preemption; signing; LED lighting; pavement markings and rumble stripes. The development of the design plans and bid package were completed within a restricted schedule due to contracting requirements for FLL and the need for construction to be completed during off-peak tourist periods.

D4 - Washington Street & 72nd Avenue - Mobility Improvements, Hollywood, FL: KEITH was selected by the Florida Department of Transportation for this design project which will add bicycle lanes and pedestrian improvements to each corridor. The KEITH team will provide roadway, drainage, signing and pavement marking, landscaping, survey, SUE, utility coordination, Geotech, and public involvement services to the Department for the project. This is a Broward County Metropolitan Planning Organization (MPO) funded project and FDOT District 4 is the client and project facilitator. Our team's extensive experience coordinating with multiple agencies and stakeholders are key factors in the successful completion of this project.

SR A1A Improvements Pompano Beach, Pompano Beach, FL: This project consists of streetscape improvements along SR A1A from Sunset Lane the Hillsboro Inlet. The streetscape improvements include the addition of landscaped medians, widened sidewalks where right-of-way is available, street lighting, and landscape improvements. These services consist of survey, subsurface utility engineering, civil engineering, traffic engineering, transportation engineering, landscape design, and construction engineering inspection for the proposed improvements. During early project coordination, it was determined that FDOT had an overlapping resurfacing project with the City of Pompano Beach's planned project. We were able to coordinate to have the FDOT funds transferred to the City of Pompano Beach to increase the construction budget on the City's project.



YEARS OF EXPERIENCE
28 years

YEARS WITH KEITH
1 year

EDUCATION
B.S. Civil Engineering,
Florida International
University 1993
B.S. Biology, University
of South Tampa 1989

**PROFESSIONAL
REGISTRATIONS**
62866 - Florida

FDOT Advanced
Maintenance of Traffic
Flexible Pavement
Design Specifications



ATLAS SAFETY & SECURITY DESIGN INC.
RANDY I. ATLAS Ph.D., FAIA, CPP – VITA REVISED 1/10/21
PRESIDENT

**SERVICES
PROVIDED:**

Crime Prevention Through Environmental Design (CPTED)/Security Design and Analysis
Americans with Disability Act Accessibility Audits, Compliance
Anti-Terrorism Security Assessment and Design
Architectural Programming and Design of Criminal Justice facilities
Expert Witness Testimony in Security Negligence Premises Liability Cases
Expert Testimony on slips, trips, falls, architectural defects, building code compliance
Risk Threat Vulnerability Assessments, Anti-Terrorism Security Master Plans
Training in CPTED, security design, accessibility, jail and prison violence/suicide

**PROFESSIONAL
REGISTRATION:**

CERTIFIED PROTECTION PROFESSIONAL (CPP) from ASIS, #5061
REGISTERED ARCHITECT, State of Florida, #15954; State of Louisiana #5287
NCARB REGISTERED, National Council Architectural Registration Board #31121
CERTIFIED in Sandia Labs Risk Assessment Methodology RAM-W (Dams), T (Power) 2002
CERTIFIED in Critical Infrastructure and Asset Protection – ACAM and PCII, April 2010
CERTIFIED Anti-Terrorism Specialist, Anti-Terrorism Accreditation Board. #100342
CERTIFIED Master Anti-Terrorism Specialist, Anti-Terrorism Accreditation Board. 2010
CERTIFIED in Quality Matters On Line ELearning Certification for FAU Course on CPTED 2013
CERTIFIED ICCP- Certified CPTED Professional, International CPTED Association, 2016
CERTIFIED ASM925 Operator Level 1- Coefficient of Friction Testing, Substratum Group 2020
CERTIFIED Johnson Forensics GS-1 Operator Course COF Testing, Substratum Group 2018

**PROFESSIONAL
AFFILIATIONS:**

AMERICAN INSTITUTE OF ARCHITECTS (AIA), Fellowship status in 2015, AIA Architecture for Justice Committee member; AMERICAN CORRECTIONAL ASSOCIATION (ACA), Design and Technology Committee member; AMERICAN SOCIETY OF INDUSTRIAL SECURITY (ASIS), Past Chairman of the Security Architecture and Engineering Council; AMERICAN SOCIETY OF SAFETY PROFESSIONALS (ASSP); ENVIRONMENTAL DESIGN RESEARCH ASSOCIATION (EDRA) Appointed on Editorial Review Board for Environment and Behavior Magazine; NATIONAL SAFETY COUNCIL, Falls Prevention Committee, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) Premises Security Committee 730-731; AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) Technical committees F33 on Corrections and Detention Facilities, ASTM E54 Homeland Security Committee, F13 Pedestrian/Walkway Safety and Footwear, F12 Committee on Security Systems and Equipment; HUMAN FACTORS & ERGONOMICS SOCIETY; National Institute of Justice Advisory Board on AMERICANS WITH DISABILITIES ACT and CPTED., Board member representative of the FLORIDA DESIGN OUT CRIME (FDOCA); United States Regional Board member of the INTERNATIONAL CPTED ASSOCIATION (ICA), U.S. HOUSING URBAN DEVELOPMENT Technical Assistance Consultant on Security and Crime Prevention; U.S. Department of Justice NATIONAL INSTITUTE OF CORRECTIONS Technical Assistance Consultant. Dr. Atlas has been appointed to the Oklahoma City National Memorial Institute of the Prevention of Terrorism Peer Review Panel 2001; Member of the ASIS Physical Security Measures (PSM) Guideline Committee; member of INTERNATIONAL SOCIETY OF CRIME PREVENTION PRACTITIONERS; member of INTERNATIONAL ASSOCIATION OF COUNTERTERRORISM AND SECURITY PROFESSIONALS; Greater Miami & the Beaches Hotel Association; member FLORIDA CRIME PREVENTION ASSOCIATION; NATIONAL FLOOR SAFETY INSTITUTE Standards Committee B101- Safety Requirements for Slip, Trip and Fall Prevention 2010-2012; Member of Infra-Gard South Florida; Member of INTERNATIONAL ASSOCIATION OF PROFESSIONAL SECURITY CONSULTANTS; Appointed to the Guidelines Task Force for Security Design Guidelines for

1. Ability of Professional Personnel
Resumes

Healthcare Facilities with the INTERNATIONAL ASSOCIATION OF HEALTHCARE SECURITY AND SAFETY (IAHSS). ASIS Facility Physical Security Standards Task Group 2020.

EDUCATION:

Doctorate of Criminology, Florida State University, 1982;
Masters of Architecture, University of Illinois, 1976;
Bachelor of Criminal Justice, University of South Florida, 1976;
Bachelor of Architecture, University of Florida, 1974.

TEACHING:

ADJUNCT PROFESSOR **Southern New Hampshire University (SNHU)**, Criminal Justice Program – Anti-terrorism On Line E-learning Degree. CJ-682 Threat Assessment 2020- current.

ADJUNCT PROFESSOR **Florida Atlantic University**, College of Social Inquiry (Architecture, Criminal Justice and Urban Planning). Designing Safe Communities with CPTED (Crime Prevention Through Environmental Design), . Fort Lauderdale and Boca Campuses, ELearning, and Continuing Education. E-Learning Course on CPTED with the FAU Institute of Design and Technology (IDAC) 1998, 2005 - 2020

ADJUNCT PROFESSOR **University of Miami**, Criminal Justice Program Dept. 1989-1991.
University of Miami, School of Architecture, courses in Crime Prevention Through Environmental Design (CPTED) 1991, 1994, 1995.

ADJUNCT PROFESSOR Criminal Justice Program - Corrections, Criminology, Criminal Justice and Crime Prevention Through Environmental Design Classes, **Florida International University**, Miami, Florida 1984 to 1991, 1997.

VISITING INSTRUCTOR **National Crime Prevention Institute (NCPI)**, **University of Louisville**. Crime Prevention Through Environmental Design (CPTED) Classes, Design for Infrastructure Protection, Design Safe Schools 1993 through 2008.

PROFESSOR **Keiser College**, Criminal Justice Department. Pembroke Pines, FL. Criminal Justice Classes: Deviant Behavior; Victimology; Organized Crime; White Collar Crime; Drugs in Society; Alternative Punishment; Comparative Criminal Justice Organizations; Intro to Corrections, Capstone-Independent Studies. 2006 - 2013.

PROJECT EXPERIENCE:

- CPTED CONSULTANT to ASIS International on the update to the Physical Asset Protection standards publication. 2020/2021
- CPTED CONSULTANT to Coral Rock Pompano LLC on the Highland Oaks Apartment Development. Pompano Beach FL. Public Safety Plan and Risk Assessment. November 2020
- CPTED CONSULTANT to Gulf Building LLC on the New Cloverleaf Park CPTED Public Safety Plan, Miami Gardens, FL. September, 2020.
- CPTED CONSULTANT to SH Brandt Architects for the Pompano Pointe Apartments, Pompano Beach, FL. Public Safety Plan and Risk Assessment. May 2020
- CPTED CONSULTANT to Bellon Architects for the Oak Enclave Apartments, Miami Gardens, FL. Public Safety Plan and Risk Assessment. May 2020
- CPTED CONSULTANT to MSA Architects on Pompano Station Apartments. Pompano Beach Public Safety Plan and Risk Assessment. Pompano Beach, FL. April, 2020
- CPTED CONSULTANT for the Newport/Costa Mesa School District, re: Ensign Middle School Security CPTED review. Newport- Mesa CA. March 2020

1. Ability of Professional Personnel Resumes

- CPTED CONSULTANT to RDC Design Build on Pompano Beach Amphitheater Roofing Project. Pompano Beach Public Safety Plan and Risk Assessment. Pompano Beach, FL. March, 2020
- CPTED CONSULTANT to MSA Architects on Hidden Harbour at Harbourside. Pompano Beach Public Safety Plan and Risk Assessment. Pompano Beach, FL. February, 2020
- CPTED CONSULTANT for MC Harry Associates, Miami International Airport Facade Improvement Vulnerability Threat Assessment. Miami, FL January, 2020
- CPTED CONSULTANT for ADG Architecture, to City of Sanibel Island Government Center Security Risk Assessment. Sanibel, FL. January, 2020
- CPTED CONSULTANT for Zyscovich Architects, for Collier County High School. Naples, FL. January 2020
- CPTED CONSULTANT for MHKAP Architecture, to City of Naples Government Center Security Risk Assessment. Naples, FL. November 2019
- CPTED CONSULTANT for ADG Architecture, to City of Fort Myers Government Center Security Risk Assessment. Fort Myers, FL. August 2019
- CPTED CONSULTANT for ADG Architecture, to S.T.A.R.S. Community Center Complex Expansion. Fort Myers, FL. July 2019
- CPTED CONSULTANT for Ed Lewis Architects, to develop a security perimeter master plan for Miami Dade County Government Center. July 2019.
- CPTED CONSULTANT for URBAN Design on the Festival Flea Market Expansion, North and South, Pompano Beach, FL. June 2019
- CPTED CONSULTANT to Corwil Team and APManagement for the Culmer Apartments Project. Miami Dade Housing Authority. May 2019.
- CPTED CONSULTANT Appointed to the Guidelines Task Force for Security Design Guidelines for Healthcare Facilities with the INTERNATIONAL ASSOCIATION OF HEALTHCARE SECURITY AND SAFETY. Feb. 2019
- TRAINER/CONSULTANT to the City of Pompano Beach. 40 hour certified CPTED Practitioner Course. Jan. 27-April 6, 2019
- CONSULTANT to 700 Briny Ave. Apartment Building – CPTED Public Safety Plan for Pompano Beach, FL. Oct. 2018
- CONSULTANT for RJ. Heisenbottle Associates on the Miami Marine Stadium Renovation for CPTED and security perimeter and vehicle barrier assessment and design. Miami, FL. October, 2018 to present.
- CONSULTANT to 499 N. Ocean Dr. Apartment Building – CPTED Public Safety Plan for Pompano Beach, FL. Sept. 2018
- CONSULTANT to Oldcastle Bonsal Sakreete Concrete Plant – CPTED Public Safety Plan for Pompano Beach, FL. July, 2018
- CONSULTANT to Broward County School District, in association with Safe Havens International. Conduct a security risk assessment of the entire school district, 234 schools post Stoneman Douglas Shooting. Broward County, FL. June/July 2018
- CONSULTANT to Williamson Shriver Architects, Herbert Hoover High School, Charleston, WV. May 10, 2018
- CONSULTANT to the Sands of Key Biscayne Condominium, FL. Security assessment and design. March 14, 2018

W. Douglas Fitzgerald, CPP, CHS-III, CFE



Curriculum Vitae

Education:

USDA Graduate School, Washington, DC,
1982

US Department of Homeland Security /

FEMA Certifications:

- Nuclear/Radiological Incident Annex
IS-00836
- National Infrastructure Protection Plan
(NIPP) IS-00860.a
- Incident Command System IS-100 for
Higher Education 2009
- National Response Framework
Introduction IS-00800.b
- National Incident Management (NIMS)
IS-00700.a 2009
- Emergency Support Function (ESF-6)
Mass Care, Emergency Assistance,
Housing and Human Services IS-
00806 2009

Registrations:

Certified Protection Professional (CPP) –
American Society for Industrial Security,
1991

Certified Fraud Examiner (CFE) –
Association of Certified Fraud Examiners,
1997

Certified in Homeland Security (CHS-III) –
American College of Forensic Examiners
International, 2003

Certified in Security Management-
ISO28000 and ASIS.PAP.1

As a nationally recognized leader in the design and integration of security, life safety, data network and communications systems, Mr. Fitzgerald has earned accolades as a security and countermeasures planner due to his innovative approaches and solutions. He has more than 25 years experience in physical and electronic security, diplomatic protection, design of SCIF and secure voice/data facilities, security policies and procedures, and tactical training and operations.

Mr. Fitzgerald has worked with the Marshall Wythe law school at College of William and Mary in the development of the Courtroom of the Future. He was the technology advisor for both Courtroom 21 and Courtroom 25 which were the advanced technology courtrooms of the 21st century. His designs have become national standards with the Federal Protective Service, U.S. Marshalls Service and National Sheriffs Association.

Mr. Fitzgerald's extensive background of securing American Embassies around the world and implementing anti-terrorism and counter-terrorism protection in government facilities nationally and internationally provides him an understanding of security issues on a global level. While serving in the Department of State's worldwide security enhancement program, he completed the security analysis and countermeasures design for 67 American embassies; more than 25 embassies and consulates for a NATO allied country, and 6 American and NATO military facilities. His background includes physical and electronic security, and countermeasures planning and design for 3 presidential palaces, 25 educational facilities, 40 jail/prison facilities, 39 courthouses, 12 major medical facilities, 6 museums, 2 State Capitols, and 32 federal, state and local government facilities.

Mr. Fitzgerald is unrivaled in his ability to match the appropriate available technology with the degree of sophistication needed for threat reduction. This reflects his concern for effectiveness, life cycle cost and operational implications, as well as the initial capital costs. He is involved in all aspects of the planning and designing of security and communications systems. He has produced designs for fully integrated secure teleconferencing systems, touch screen systems, graphic human/machine interfaces, automated process controls, evidence presentation equipment and networks, intrusion detection and biometric access control along with access denial systems in a wide variety of projects.

Mr. Fitzgerald shares his expertise with others in a wide range of venues. As a member of the American Society for Industrial Security since 1984, he accepted their request to serve on the Professional Certification Committee in August of 2002. He is also a member of their Threat Advisory System Guideline Committee and a senior member of the Security Architecture and Engineering Council and has served as Chairman and Vice-Chairman over a period of seven years. In 2008 he was appointed to the position of Council Vice President and currently oversees the Global Terrorism Council, Supply Chain and Transportation Council, Physical Security Council, Chemical, Petro-Chemical and Extractive Mineral Council, Liaison for the Center for Missing and Exploited Children, and liaison for Transitioning of Law Enforcement and Military Personnel.

Mr. Fitzgerald has produced and presented multiple continuing education courses for the University of Wisconsin and University of Louisville. His involvement in security related forums and activities include participation in the "Sequestered Architectural Surety Workshop" held by Sandia National Laboratories in New Mexico and as a primary instructor for the International Association of Chiefs of Police.

1. Ability of Professional Personnel
Resumes

Years of Experience: 28
Years With the Firm: 27

Registrations & Certifications:

Senior Professional Wetland Scientist, 2020
Authorized Gopher Tortoise Agent, FL, 2012
Certified Environmental Professional, 2004

Education:

Bachelor of Science, Biology and Business Administration
University of Wisconsin - Stevens Point, 1994
Master of Business Administration
Nova Southeastern University, 1998

Continuing Education:

FDOT LAP Certification Webinar, 2015

Publications & Presentations:

American Water Resource Association, Florida Section,
Climate Change and Its Impact on South Florida, 2011,
co-presenter
Florida Chamber Environmental Permitting Summer School
Conference, Burrowing Owls: Issues Affecting
Conservation of Wildlife Species, 2018, presenter
Florida Chamber Environmental Permitting Summer School
Conference, Successful Applications of Imperiled Species
Management Practices, 2019
Florida Chamber Environmental Permitting Summer School
Conference, Federal Wetland Jurisdiction Update, 2009-
2016, presenter

Professional & Civic Activities:

Past Chair, Broward County Climate Change Task Force
Natural Systems Subcommittee
Past Member, Broward County Climate Change Task Force,
2008-2017
Technical Team Member, Broward County Water Resources
Task Force, 2008-current
Past Member, Broward League of Cities Energy, Environ &
Natural Resources Cttee
Past Member, FICE/SFWMD Water Resources Liaison
Committee, 2009-2015
Past President and Past Board of Directors, Florida
Association of Environmental Professionals, Treasure Coast
Member, National Association of Environmental Professionals

MILLER LEGG

Dylan Larson, SPWS, CEP, GTA

Principal / Environmental

Professional Experience:

As a Principal of the Firm, Mr. Larson leads a variety of the firm's projects that involve environmental issues. He has significant experience in environmental consulting in Florida and is responsible for overseeing and performing studies and investigations on biological and ecological services. He also oversees operations and overall project management for the firm.

Specific responsibilities include: wetland jurisdictional determination, dredge and fill permitting, environmental permitting and mitigation; wetland mitigation design, mitigation monitoring, protected species surveys and permitting, habitat restoration design; seagrass studies; wetland and wildlife studies; management plans, threatened and endangered (T&E) species surveys; geographic information systems (GIS)/habitat mapping and analysis; land use/watershed planning and management; impact analysis; recommendations for maintenance procedures, coordination and oversight of environmental GIS applications, construction observation and monitoring compliance; national pollutant discharge elimination systems (NPDES) coordination and assistance with plan preparations.

Relevant Project Experience:

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension Project - Miller Legg was the lead professional for environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also included tracking of all other site permits including stormwater, utility, FEC and roadway permits, as well as certified arborist/tree evaluation of more than 1,100 trees. The new 8,000 LF Runway is elevated and crosses over the

Airport's Perimeter Road, the FEC railroad and US1. Extensive permitting agency coordination was required due to mangrove and other wetland impacts. Utilizing LEED criteria, sustainability opportunities existed in the selection of more energy efficient utilities inside the structures over the roadways and in preservation of existing resources. Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water, and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other sustainability benefits could be realized. Miller Legg was a subconsultant to Atkins North America.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Hilton Hotel Demolition Tree Survey & Relocation Hilton Demolition - Miller Legg and its Certified Arborists conducted a comprehensive tree survey/inventory on all 700 trees located at the prior Hilton hotel property in Dania Beach. Using this data Miller Legg acquired the necessary City and County permits to remove trees that were within a 30-foot buffer of the Hilton Hotel, which was scheduled for demolition as it was a man-made obstruction based on FAA guidelines and the opening of the new Fort Lauderdale-Hollywood Airport runway 10L. The firm coordinated with the client, demolition experts and contractor on construction methodologies for tree preservation, protection and adherence to permit conditions and county and local tree preservation codes. Miller Legg also conducted a multi-week observation of the Hilton Hotel demolition in order to ensure the trees permitted to remain on site were constantly protected from large scale demolition equipment. In addition, Miller Legg provided observation during construction for permit compliance in addition to the tree

1. Ability of Professional Personnel
Resumes

Dylan Larson, SPWS, CEP, GTA

relocation process on site with accompanying field reports of activity. Civil engineering services included specifications preparation and permitting coordination with agencies such as DEP (asbestos report), various Broward County Departments, City of Dania Beach, and relevant public utilities. This was necessary for utility and cellular power down, close out or removal in advance of the demolition event. Prepared demolition specs and anticipated permitting time frames for contractor, and coordinated removal of equipment for all cellular providers occupying the cellular towers.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension-Burrowing Owl Assessments, Permitting and Relocation - One of the Miller Legg assignments associated with the Fort Lauderdale-Hollywood International Airport (FLL) South Runway Extension project involved assessments of burrowing owl populations on Airport property. For this work order, the Miller Legg environmental observers navigated airside, communicated with the tower and evaluated burrowing owl populations. To comply with State and Federal requirements burrowing owl assessments with supplemental reports were provided up to three (3) times per week for approximately 3 years. Non-lethal harassment and relocation of burrowing owls airside occurred with the use of subterranean burrow cameras attached to the end of long flexible plastic tubes. In determining whether burrows were active or inactive prior to relocation, firm biologists became very familiar with working airside and conducting the appropriate field techniques. Plant and herbaceous coverage surveys, wildlife and prey item familiarization were additional key factors. The team coordinated weekly with FLL staff, the Qualified Wildlife Biologist and USDA Qualified Wildlife biologist, navigated airside, and communicated with the Traffic Control Tower over the duration of the project, providing precise data collection and record keeping in order to keep the project moving forward.

City of Fort Lauderdale Executive Airport (FXE) Mitigation Services Parcel 21B - Fort Lauderdale Executive Airport (FXE) is developing a portion of Parcel 21B, located north of Commercial Boulevard and west of N.W. 21st Avenue, as a parking lot for airport tenant employees, rental car companies, and long term customer parking. The parcel is approximately six acres and is designated as a Natural Resource Area by Broward County Environmental Protection and Growth Management Department (BCEPGMD). Miller Legg is providing preparation of a conservation easement and environmental mitigation services on the parcel.

City of Fort Lauderdale Executive Airport (FXE) Outparcels B, C, D Cypress Creek Commerce Center Site Work - Miller Legg is providing planning, civil and traffic engineering and landscape architecture for the development of Cypress Creek Commerce Center. The project consists of a five building multi-tenant industrial development totaling 352,040 SF at the Fort Lauderdale Executive Airport (FXE) parcels B, C and D. Scope includes conceptual site plan, public notification process, lighting plan, vacation preparation and processing through the city and county, water, sewer and drainage design, master stormwater design, landscape and hardscape plans, irrigation design, and construction documents.

City of Fort Lauderdale Executive Airport (FXE) Wildlife Hazard Management Plan (WHMP) - A Wildlife Hazard Management Plan (WHMP) was prepared to address the wildlife hazards on or near the FXE airport that were determined while conducting the Wildlife Hazard Assessment (WHA) in 2013-2014 and accepted by the FAA on February 2015. The WHMP provides measures to alleviate or eliminate wildlife hazards to air carrier operations and included all FAR 139.337 Wildlife Hazard Management sections. Among its recommendations, the WHMP included wildlife population management, habitat modification and land use changes identified in the wildlife hazard assessment and target dates for their

initiation and completion; procedures to review and evaluate the wildlife hazard management plan every 12 consecutive months or following a triggering event, the plan's effectiveness in dealing with known wildlife hazards on and in the airport's vicinity and aspects of the wildlife hazards described in the wildlife hazard assessment that should be reevaluated; and a training program conducted by a qualified airport biologist to provide airport personnel with the knowledge and skills needed to successfully carry out the WHMP and WHA. The WHMP was approved by the FAA in July 2016.

City of Fort Lauderdale Executive Airport (FXE) Parcels B, C & D Environmental Services - As a result of our Environmental Continuing Services contract with the City of Fort Lauderdale, Miller Legg is familiar with airport property that contains related office space which is leased and operated by private developments. While the airfield is the key to the operations, the drainage analysis and regulatory agencies will review the larger ownership of Fort Lauderdale Executive Airport (FXE) for compliance and analysis. Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C, and D. The knowledge of these sites is important to understand that the existing undeveloped conditions differ from what has been designed and permitted. Furthermore, our involvement in review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected. We also actively monitor pending rule changes from federal and state agencies, relating to water quality treatment, that could affect or modify future development plans as the drainage or treatment requirements will be changing. Miller Legg has worked closely with FXE Airport Management on the review and development order conditions and permit restrictions associated with these undeveloped and permitted parcels. In addition, our Certified Arborists have performed tree inventories.



1. Ability of Professional Personnel
Resumes

Years of Experience: 19

Years With the Firm: 18

Registrations & Certifications:*FDEP Qualified Stormwater Management Inspector, FL, 2011***Education:***Bachelor of Arts, Geology
Hartwick College, 1993***Continuing Education:***FDOT LAP Certification Webinar, 2015***Publications & Presentations:***FLERA Annual Conference, West Lark Park: A Successful
Habitat Restoration, 2011, Co-Presenter
Florida Chamber Environmental Permitting Summer School
Conference, Burrowing Owls: Issues Affecting
Conservation of Wildlife Species, 2018, Co-Author
SFAEP Annual Conference, West Lake Park: Mangroves,
Seagrass and Mudflats, 2010, Co-Presenter*

Jennifer Shipley

*Senior Environmental Scientist***Professional Experience:**

Ms. Shipley is a Senior Environmental Scientist responsible for wetland determination and delineation, wetland mitigation design and monitoring, environmental permitting, threatened and endangered species surveys and assessments, benthic surveys, coral, seagrass, and mangrove surveys and monitoring.

Relevant Project Experience:**Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension Project**

- Miller Legg was the lead professional for environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also included tracking of all other site permits including stormwater, utility, FEC and roadway permits, as well as certified arborist/tree evaluation of more than 1,100 trees. The new 8,000 LF Runway is elevated and crosses over the Airport's Perimeter Road, the FEC railroad and US1. Extensive permitting agency coordination was required due to mangrove and other wetland impacts. Utilizing LEED criteria, sustainability opportunities existed in the selection of more energy efficient utilities inside the structures over the roadways and in preservation of existing resources. Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water, and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other sustainability benefits could be realized. Miller Legg was a subconsultant to Atkins North America.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood

International Airport South Runway Extension-Burrowing Owl Assessments, Permitting and Relocation - One of the Miller Legg assignments associated with the Fort Lauderdale-Hollywood International Airport (FLL) South Runway Extension project involved assessments of burrowing owl populations on Airport property. For this work order, the Miller Legg environmental observers navigated airside, communicated with the tower and evaluated burrowing owl populations. To comply with State and Federal requirements burrowing owl assessments with supplemental reports were provided up to three (3) times per week for approximately 3 years. Non-lethal harassment and relocation of burrowing owls airside occurred with the use of subterranean burrow cameras attached to the end of long flexible plastic tubes. In determining whether burrows were active or inactive prior to relocation, firm biologists became very familiar with working airside and conducting the appropriate field techniques. Plant and herbaceous coverage surveys, wildlife and prey item familiarization were additional key factors. The team coordinated weekly with FLL staff, the Qualified Wildlife Biologist and USDA Qualified Wildlife biologist, navigated airside, and communicated with the Traffic Control Tower over the duration of the project, providing precise data collection and record keeping in order to keep the project moving forward.

City of Fort Lauderdale Executive Airport (FXE) Parcels B, C & D Environmental Services - As a result of our Environmental Continuing Services contract with the City of Fort Lauderdale, Miller Legg is familiar with airport property that contains related office space which is leased and operated by private developments. While the airfield is the key to the operations, the drainage analysis and regulatory agencies will review the larger ownership of Fort Lauderdale Executive Airport (FXE) for



Jennifer Shipley

compliance and analysis. Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C, and D. The knowledge of these sites is important to understand that the existing undeveloped conditions differ from what has been designed and permitted. Furthermore, our involvement in review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected. We also actively monitor pending rule changes from federal and state agencies, relating to water quality treatment, that could affect or modify future development plans as the drainage or treatment requirements will be changing. Miller Legg has worked closely with FXE Airport Management on the review and development order conditions and permit restrictions associated with these undeveloped and permitted parcels. In addition, our Certified Arborists have performed tree inventories.

City of Fort Lauderdale Executive Airport (FXE) Wildlife Hazard Management Plan (WHMP) - A Wildlife Hazard Management Plan (WHMP) was prepared to address the wildlife hazards on or near the FXE airport that were determined while conducting the Wildlife Hazard Assessment (WHA) in 2013-2014 and accepted by the FAA on February 2015. The WHMP provides measures to alleviate or eliminate wildlife hazards to air carrier operations and included all FAR 139.337 Wildlife Hazard Management sections. Among its recommendations, the WHMP included wildlife population management, habitat modification and land use changes identified in the wildlife hazard assessment and target dates for their initiation and completion; procedures to review and evaluate the wildlife hazard management plan every 12 consecutive months or following a triggering event, the plan's effectiveness in dealing with known wildlife hazards on and in the airport's vicinity and aspects of the wildlife hazards described in the wildlife hazard assessment that should be reevaluated; and a training program conducted by a qualified airport biologist to provide airport personnel with the

knowledge and skills needed to successfully carry out the WHMP and WHA. The WHMP was approved by the FAA in July 2016.

Broward County Convention Center Expansion Owner's Representative - Miller Legg is part of The Weitz Company Owners Representative Team acting on behalf of Broward County for the expansion of the Convention Center. The expansion includes the addition of a 800-room, 24-story headquarters hotel, exhibit hall space, retail establishments, urban open space development and associated parking structure(s) on a 44-acre site that lies within the City limits of Fort Lauderdale, adjacent to Port Everglades. In the Owners Representative role, Miller Legg has provided the following: development of site civil engineering and traffic elements included in the design criteria package developer solicitation, site traffic circulation study, preliminary project scheduling, preliminary development and review of developer agreements, and developer proposal submission review. Miller Legg is providing review of selected developer design development and schedule. Additional Owners Representative tasks will be forthcoming throughout the solicitation review and agreement process.

Broward County Convention Center Master Plan - Broward County developed a Master Plan for future expansion of the Convention Center including the addition of a 1,000-room headquarters hotel, urban park/open space development and associated 1,500-space parking structure(s) on a 44-acre site that lies within the City limits of Fort Lauderdale, adjacent to Port Everglades. Miller Legg assisted with the following master plan services, mainly in the area of transportation and traffic engineering: site analysis and feasibility study, site access and circulation plan including a preliminary traffic mitigation plan, conceptual on-site and off-site parking options study, and participation in community forums and workshop outreach meetings, as well as preparation of the community report.

Port Everglades Turning Notch Mangrove Wetland Creation Project - Miller Legg was a subconsultant to Bergeron Land Development for this two-step Port Everglades Turning Notch Mangrove Wetland Creation. The overall goal of the project was to lengthen the existing deepwater turn-around area for cargo ships from 900 feet to 2,400 feet to allow for up to five new cargo berths. A critical part of the Southport Turning Notch Extension included replacing 8.7 acres of an existing mangrove conservation easement with creation of a 16.5-acre mangrove habitat with approximately 70,000 new mangroves and transitional plants from an existing upland. During this wetlands restoration construction, the firm provided field support services for environmental and engineering permit compliance, protected species observation, including mangroves and manatees, water quality monitoring, turbidity monitoring, erosion control inspection, plan review, environmental administration and reporting, and mangrove and upland planting oversight. Miller Legg is also responsible for review of post-construction compliance monitoring for a 5-year period.

Broward County Parks and Recreation West Lake Park II - Environmental Services - Miller Legg was the prime consultant for the permitting and design of enhancements for the second phase of this 1,500-acre estuarine wetland. The firm provided both environmental and engineering services for necessary mitigation for the Port Everglades and Fort Lauderdale-Hollywood International Airport expansion projects. Services provided included: paving and drainage improvements for the nature center and associated parking lot, design of three sewage pump stations, water distribution system design, sanitary sewage collection and transmission system design, off-site force main, traffic engineering, surveying, water quality data analysis, hypothesis development and review, sediment analysis, fishery analysis, rip-rap design, benthic macro-invertebrate identification, seagrass survey, mitigation credit determination, and USACE dredge and fill permitting.



1. Ability of Professional Personnel
Resumes**Years of Experience:** 13**Years With the Firm:** 8**Registrations & Certifications:***FDEP Stormwater, Erosion & Sedimentation Inspector, FL, 2011**ISA Intro to Urban Forestry, 2020**FDOT Intermediate Maintenance of Traffic, FL, 2016**Certified Landscape Inspector, FL, 2014**Advanced Airport Wildlife Hazard Management, FL, 2014**Certified Arborist, 2014**Broward County Basic Tree Pruning, FL, 2012**SFWMD Certified Airboat Pilot***Education:***Bachelor of Science, Ecology & Biology, Minor in Geography
Florida Atlantic University, 2008**Certificate, Environmental Studies
Florida Atlantic University, 2005***Continuing Education:***FDOT LAP Certification Webinar, 2015**NRA First Steps Shotgun Orientation***Publications & Presentations:***FAU, Carnivorous Plants, 2010, Co-Presenter**FAU, Suwannee River Basin, 2007**SFWMD, Everglades Tree Island Health, 2011, Co-Presenter***Professional & Civic Activities:***Past Member, City of Plantation Landscape Planning &
Review Board**Member, Florida Urban Forestry Council (FUTC)**Member, International Society of Arboriculture**Member, Landscape Inspectors Association of Florida (LIAF)**Past Member, Native Plant Society, Broward County Chapter**Member, South Florida Association of Environmental
Professionals (SFAEP)***William Mohler, III, CA, CLI***Senior Ecologist***Professional Experience:**

Mr. Mohler is experienced in environmental document preparation, ecological monitoring and assessment, compliance monitoring, and geographic information systems (GIS). He has a comprehensive knowledge of Florida floral and faunal communities and their interactions. In addition, his training and practical experience includes lab and field experimentation, biological, water and soil sample collection and monitoring, taxonomy, plant physiology, wildlife catch and release, avifaunal surveys, experimental design and implementation, data management, and statistical and numerical analysis.

Mr. Mohler has exceptional field operations skills including preparing and calibrating field equipment and engineering specialized data collection field solutions. In addition, he has over 15 years of small boat and airboat piloting experience and is a skilled engine mechanic. Mr. Mohler has excellent navigation skills and has personally piloted watercraft to over 300 tree islands in the Everglades. He has also led field crews into dangerous terrain and navigated throughout the Everglades system using GPS.

He is skilled in using various types of equipment and software including ESRI Arc GIS Trimble Arc pad, Li-Cor, TREC, SPOT, GPS, LIDAR, Dynamax TDP Sap Flow systems, Decagon ProCheck soil moisture probes, HOBO and CR1000 environmental loggers, Photovoltaic cells, and Morningstar Solar power equipment, along with all associated off-loading programs.

Relevant Project Experience:

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension Project - Miller Legg was the lead professional for

environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also included tracking of all other site permits including stormwater, utility, FEC and roadway permits, as well as certified arborist/tree evaluation of more than 1,100 trees. The new 8,000 LF Runway is elevated and crosses over the Airport's Perimeter Road, the FEC railroad and US1. Extensive permitting agency coordination was required due to mangrove and other wetland impacts. Utilizing LEED criteria, sustainability opportunities existed in the selection of more energy efficient utilities inside the structures over the roadways and in preservation of existing resources. Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water, and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other sustainability benefits could be realized. Miller Legg was a subconsultant to Atkins North America.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension-Burrowing Owl Assessments, Permitting and Relocation - One of the Miller Legg assignments associated with the Fort Lauderdale-Hollywood International Airport (FLL) South Runway Extension project involved assessments of burrowing owl populations on Airport property. For this work order, the Miller Legg environmental observers navigated airside, communicated with the tower and evaluated burrowing owl populations. To comply with State and Federal requirements burrowing owl assessments with supplemental reports were provided up to three (3) times per week for approximately 3 years. Non-lethal harassment and relocation of burrowing owls airside occurred with



1. Ability of Professional Personnel
Resumes

William Mohler, III, CA, CLI

the use of subterranean burrow cameras attached to the end of long flexible plastic tubes. In determining whether burrows were active or inactive prior to relocation, firm biologists became very familiar with working airside and conducting the appropriate field techniques. Plant and herbaceous coverage surveys, wildlife and prey item familiarization were additional key factors. The team coordinated weekly with FLL staff, the Qualified Wildlife Biologist and USDA Qualified Wildlife biologist, navigated airside, and communicated with the Traffic Control Tower over the duration of the project, providing precise data collection and record keeping in order to keep the project moving forward.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Hilton Hotel Demolition Tree Survey & Relocation Hilton Demolition - Miller Legg and its Certified Arborists conducted a comprehensive tree survey/inventory on all 700 trees located at the prior Hilton hotel property in Dania Beach. Using this data Miller Legg acquired the necessary City and County permits to remove trees that were within a 30-foot buffer of the Hilton Hotel, which was scheduled for demolition as it was a man-made obstruction based on FAA guidelines and the opening of the new Fort Lauderdale-Hollywood Airport runway 10L. The firm coordinated with the client, demolition experts and contractor on construction methodologies for tree preservation, protection and adherence to permit conditions and county and local tree preservation codes. Miller Legg also conducted a multi-week observation of the Hilton Hotel demolition in order to ensure the trees permitted to remain on site were constantly protected from large scale demolition equipment. In addition, Miller Legg provided observation during construction for permit compliance in addition to the tree relocation process on site with accompanying field reports of activity. Civil engineering services included specifications preparation and permitting coordination with agencies such as DEP

(asbestos report), various Broward County Departments, City of Dania Beach, and relevant public utilities. This was necessary for utility and cellular power down, close out or removal in advance of the demolition event. Prepared demolition specs and anticipated permitting time frames for contractor and coordinated removal of equipment for all cellular providers occupying the cellular towers.

City of Fort Lauderdale Executive Airport (FXE) Parcel B C & D Engineering / Earthwork - As a result of our Environmental Continuing Services contract with the City of Fort Lauderdale, Miller Legg is familiar with the FXE airport property that contains related office space leased and operated by private developments. While the airfield is key to the operations, the drainage analysis and regulatory agencies will review the larger ownership of Fort Lauderdale Executive Airport (FXE) for compliance and analysis. Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C and D. Furthermore, our involvement in review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected. Miller Legg provided ongoing consultation to Airport staff and City Attorney's Office relating to permit compliance for the above-referenced project. Recommendations and suggestions as they relate to pending permit agreements with the proposed developer and technical questions relating to permit conditions and implications to the City's interests were provided. Miller Legg reviewed proposed modifications and technical information submitted by proposed developers of the parcels as requested by the City.

City of Fort Lauderdale Executive Airport (FXE) Parcels B, C & D Permitting - Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C, and D. The knowledge of these sites is important to understand that the existing undeveloped conditions differ from what has been designed and

permitted. Furthermore, our involvement in review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected. We also actively monitor pending rule changes from federal and state agencies, relating to water quality treatment, that could affect or modify future development plans as the drainage or treatment requirements will be changing. Miller Legg has worked closely with FXE Airport Management on the review and development order conditions and permit restrictions associated with these undeveloped and permitted parcels.

City of Fort Lauderdale FXE Parcel 21B NRA Native Vegetation Protection & Tree Inventory - Miller Legg provided environmental consulting services for the City of Fort Lauderdale Executive Airport Natural Resource Area 21B Parcel through an Environmental Continuing Services contract with the City of Fort Lauderdale. The activity included with the first phase of this project was the mechanical removal of invasive exotic trees on this site. Miller Legg performed contractor observation of the clearing of invasive exotic trees in order to minimize impacts to the native trees and shrubs. Following the mechanical removal of the invasive exotic trees on site, Miller Legg conducted a tree inventory and evaluation of native trees found on the site and provided a tree inventory exhibit and associated tree inventory list of all native trees found. Furthermore, as the site has a Natural Resource Area (NRA) designation, it requires additional coordination with Broward County to identify the most critical habitat on-site to be preserved. Miller Legg coordinated with Broward County Environmental Protection and Growth Management Division on potential permitting and mitigation for impacts to portions of the site. Conceptual exhibits were created and submitted to Broward County to ascertain the amount of space required to be preserved and enhanced on site if impacts were to be conducted.



1. Ability of Professional Personnel
Resumes

Years of Experience: 42
Years With the Firm: 36

Registrations & Certifications:
Registered Professional Surveyor & Mapper, FL, 1998

Continuing Education:
Land Boundaries, 2018
Wetlands Delineation, 2018

Professional & Civic Activities:
*Past Vice President, Florida Surveying & Mapping Society,
Broward Chapter*

Martin Rossi, PSM*Senior Surveyor***Professional Experience:**

Mr. Rossi is a Senior Surveyor with more than four decades of surveying and subsurface utility engineering (SUE) experience. His principal areas of experience include surveys such as boundary, topographic, ALTA/ACSM land title surveys, quantity, environmental and wetland, condominium, construction layout, as-built, right-of-way, specific purpose and subdivisions and platting, as well as subsurface utility engineering (SUE). He currently manages the survey department and the survey field crews in South Florida. Mr. Rossi is also an Associate with the firm.

Relevant Project Experience:

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport Utility Atlas Update & GIS - Miller Legg completed work on a project locating underground utilities at Ft. Lauderdale-Hollywood International Airport (FLL). Our subsurface utility engineering (SUE) crews utilized geophysical prospecting techniques in conjunction with kinematic Global Positioning Systems (GPS) and traditional ground surveying techniques to mark, identify, and locate known underground utilities provided in the new FLL Utility Atlas Plans. Miller Legg provided a utility sweep for unknown utilities within the project area. The purpose of the underground utility investigation and survey is to update the new Utility Atlas within and adjacent to the Airport in support of the South Runway Expansion and Construction project. AutoCAD files depicting the field collected locations were converted to Federal Aviation Administration compliant GIS geodatabase format. Utility attribute information such as owner, material, size, direction, and depth were included in the GIS.

City of Fort Lauderdale Executive Airport (FXE) Parcels B, C & D Environmental Services

- As a result of our Environmental Continuing Services contract with the City of Fort Lauderdale, Miller Legg is familiar with airport property that contains related office space which is leased and operated by private developments. While the airfield is the key to the operations, the drainage analysis and regulatory agencies will review the larger ownership of Fort Lauderdale Executive Airport (FXE) for compliance and analysis. Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C, and D. The knowledge of these sites is important to understand that the existing undeveloped conditions differ from what has been designed and permitted. Furthermore, our involvement in review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected. We also actively monitor pending rule changes from federal and state agencies, relating to water quality treatment, that could affect or modify future development plans as the drainage or treatment requirements will be changing. Miller Legg has worked closely with FXE Airport Management on the review and development order conditions and permit restrictions associated with these undeveloped and permitted parcels. In addition, our Certified Arborists have performed tree inventories.

City of Fort Lauderdale Executive Airport (FXE) Wildlife Hazard Assessment

- As part of our FXE Environmental Continuing Services contract, Miller Legg conducted weekly wildlife observation data collection efforts, GPS collection and GIS digital map creation. The Wildlife Hazards Assessment was performed over a 1-year period to capture seasonal and daily patterns of wildlife when wildlife activity or attraction results in the potential for wildlife strikes to occur, and to provide



1. Ability of Professional Personnel
Resumes

Martin Rossi, PSM

recommendations for reducing such wildlife hazards. The final document was approved by the FAA at the first submittal. Arc Toolbox was used to create buffers around GPS points, calculate area using geoprocessing tools and creation of a geodatabase including wildlife utilization data.

City of Plantation Police Department Firing Range - Miller Legg is providing survey, civil and construction administration for the Plantation Police Department Firing Range. Project scope includes topographic and tree survey, civil engineering construction documentation preparation, regulatory agency construction document permitting, coordination with project MEP and structural engineers, as well as bidding assistance and contract administration for this approximately 1/2-acre project. The scope includes regulatory agency construction document permitting for drainage improvements, sanitary sewer, potable water and fire protection service line and building department review as necessary. This work is being performed as a subconsultant to Architects Design Group (ADG).

City of Weston Community Center - Miller Legg is providing survey, SUE, civil engineering, landscape architecture and irrigation design, bidding assistance and construction administration services for the new City of Weston Community Center at Weston Regional Park as part of the Cartaya Architects team. Permitting is being coordinated with the Cities of Weston and Sunrise, FDEP and SFWMD. The 12.5-acre parcel is being redeveloped from land currently used for sports activities and passive green space. It will comprise an indoor facility of approx. 25,000 SF to accommodate office space and multi-purpose rooms. The planned outdoor facilities will total 6,400 SF, while site work beyond the building will include lawn seating, a 7,500 SF playground, parking and landscaping.

School Board of Broward County (SBBC) Atlantic Technical College Fire Main Improvements - Miller Legg began with performance of

surveying services at this school in Coconut Creek in support of fire main improvements design services performed by the firm. The scope of services includes a feasibility investigation, utility research, preliminary OPC, construction documents, government agency permitting, bidding and construction administration assistance, fire hydrant flow testing, and water main hydraulic analysis.

Stephen P Clark Government Center Surveying - The Town of Davie is moving forward with their plans to demo the existing 14-acre Town Hall site on Orange Drive in downtown Davie. A new Town Hall building, and associated amenities shall be designed and constructed. Miller Legg is on the team to provide pre-design services including a boundary and topographic survey and SUE services, and plat preparation and processing. The Boundary and Topographic Survey has been completed using laser scanner technology and conventional surveying methods. The southern portion of the site is quite dense with trees, which provided a challenge for the scanner crew due to dense canopy. The use of the scanning technology improved the anticipated schedule for the deliverable. The ultimate Client (the Town) will provide the viewer software and digital files for their use in presentations.

United States Department of Veterans Affairs South Florida National Cemetery Phase 2 Design-Build - Miller Legg is providing civil, survey, landscape architecture, irrigation design and environmental services for Phase 2 of this Design Build project located in Lake Worth. Survey services consist of boundary and topographic surveys and surveyor title review. Environmental tasks include wetland mitigation assistance and threatened and endangered species coordination in addition to annual mitigation monitoring over 5 years and gopher tortoise survey, permitting and relocation. The firm is providing landscape and irrigation design development, construction and record drawing documents. Civil construction document preparation including signing

and pavement marking, pre-construction and construction period services are also being provided. Miller Legg was the prime consultant for the master planning, design, and construction for the development of the 313-acre national cemetery in Palm Beach County.

Seminole Tribe of Florida (STOF) Hollywood Hard Rock Hotel and Casino Expansion - Miller Legg was a member of the Suffolk/Yates JV Team which provided surveying and subsurface utility engineering (SUE) services for major demolition, renovations and expansion to the Hard Rock Hotel and Casino on the Seminole Tribe's Hollywood Reservation. The feature elements included a new iconic 1,274-room Guitar Hotel and Villas, and over 300,000 SF retail, convention and spa space. Services included boundary surveys, control surveys, verification of benchmarks, layout and monitoring of columns and grid lines, as-builts, final surveys and SUE. The project was completed in 2019 at a cost of approx. \$1.8 billion.

Seminole Tribe of Florida (STOF) Hollywood Hard Rock Pool Tower & East Pool (Bora, Bora) - Miller Legg provided survey layout and as-built services for the new 9-story Pool Tower and East Pool areas as part of the expansion to the Hard Rock Hotel and Casino on the Seminole Tribe's Hollywood Reservation. Tasks included, after each elevated pour, a horizontal and vertical control at each level, on slab, each column, wall, edges at 50-foot intervals at one elevation.

Veterans Administration (VA) Miami Healthcare System Hospital Survey & SUE - Miller Legg is providing topographic surveying and sub-surface utility designations and mapping for a portion of the Miami VA Hospital location, having previously performed surveying at the facility in 2003. The survey will show above-ground improvements, trees, parking spaces, and underground utilities locations.



1. Ability of Professional Personnel
Resumes

Years of Experience: 17
Years With the Firm: 14

Registrations & Certifications:
FDOT Intermediate Maintenance of Traffic, FL, 2013

Education:
High School GED
Killian Senior High School, 2001

Gerald Edelman

SUE Coordinator

Professional Experience:

Since joining Miller Legg, Mr. Edelman worked his way up from Rod Person to Party Chief and SUE Coordinator. He has experience working with both surveying and subsurface utility engineering (SUE) projects for public entities throughout South Florida. Experience includes boundary, topographic, right-of-way, as-built, special purpose surveys, cross sections, drainage surveys, construction surveys, and a variety of other surveys.

Relevant Project Experience:

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport Utility Atlas Update & GIS - Miller Legg completed work on a project locating underground utilities at Ft. Lauderdale-Hollywood International Airport (FLL). Our subsurface utility engineering (SUE) crews utilized geophysical prospecting techniques in conjunction with kinematic Global Positioning Systems (GPS) and traditional ground surveying techniques to mark, identify, and locate known underground utilities provided in the new FLL Utility Atlas Plans. Miller Legg provided a utility sweep for unknown utilities within the project area. The purpose of the underground utility investigation and survey is to update the new Utility Atlas within and adjacent to the Airport in support of the South Runway Expansion and Construction project. AutoCAD files depicting the field collected locations were converted to Federal Aviation Administration compliant GIS geodatabase format. Utility attribute information such as owner, material, size, direction, and depth were included in the GIS.

City of Coral Springs Municipal Complex Topographical Survey - In preparation for the development of the new City of Coral Springs Municipal Complex, Miller Legg was retained to

prepare a topographic survey to incorporate previously surveyed portions of the property to show 50' elevations as well as storm and sanitary sewer inverts.

Florida Department of Transportation (FDOT) District 6 North Dade Maintenance Facility SUE Services - Working under our FDOT District 6 Districtwide Surveying and Mapping contract, Miller Legg provided utility designation and excavation services at the North Dade Maintenance Facility in Aventura. Electromagnetic designating techniques were used to designate multiple ductile iron water mains throughout the site and adjoining state roads, and test holes were provided at three potential tie-in locations.

Florida Department of Transportation (FDOT) District 6 North Bay Road Drainage Investigation SUE Services - Working under our FDOT District 6 Districtwide surveying and mapping contract, Miller Legg provided surveying and Subsurface Utility Engineering (SUE) services in an effort to provide the location of a collapsed drainage outfall in Miami Beach. The pipe collapse was causing significant local flooding during rain events. Ground Penetrating Radar (GPR) was used to identify the location of collapsed portions of the 36" drainage line, while electromagnetic designating techniques were used to identify the location of other buried utilities in the area of concern. Also surveyed and staked was the easement which encompasses the line, and provided topographic and drainage details to facilitate the design of a replacement outfall. Extensive coordination with various FDOT departments, property owners, and local government officials was required throughout the course of work.



Gerald Edelman

Florida International University (FIU) Satellite Chiller Plant - Based on the existing master plan for the Modesto A. Maidique University Park (Main) Campus of the Florida International University, Miller Legg provided civil engineering design, permitting, surveying, subsurface utility engineering, construction administration and closeout documents for site improvements related to the addition of a 14,000 SF Satellite Chiller Plant (SCP) Building on an existing surface water retention area. Engineering plans and specifications for the project included the design of parking area grading, drainage collection system, water distribution system, and sanitary sewage collection system. Miller Legg was a subconsultant to SGM Engineering, Inc., MEP Consulting Engineers.

Hollywood Downtown Community Redevelopment Area (DCRA) Routes & Intersect Surveying - Miller Legg was contracted to provide topographic surveys and subsurface utility engineering (SUE) services for several routes and intersections in downtown Hollywood for use in CRA streetscape and lighting projects. The streets included Hollywood Blvd., portions of Dixie Hwy., North 21st Ave., Filmore St., Tyler St., Monroe St. and Polk St.

Miami-Dade WASD Pump Station 0491 Force Main Extension Survey - Miller Legg contracted with 300 Engineering Group to provide route surveys of approximately 5500 linear feet of portions of Collins Avenue and Golden Beach Drive for the purpose of design of new force mains along this route. Our scanning technology was successfully used to produce this survey. An extension to the north was requested by 300 Engineering Group.

School Board of Broward County (SBBC) Surveying Services - In conjunction with the School Board of Broward County, provided surveying services on more than 50 school sites in Broward County over the past 17 years. The services for these projects have included: architectural design surveys, construction layout, including buildings, Subsurface Utility Engineering (SUE),

parking and driveways, as-built surveys, boundary, horizontal and vertical control, topographic, as-built surveys, right-of-way surveys for signalization design, and preparation of legal descriptions.

United States Department of Veterans Affairs South Florida National Cemetery Phase 2 Design-Build - Miller Legg is providing civil, survey, landscape architecture, irrigation design and environmental services for Phase 2 of this Design Build project located in Lake Worth. Survey services consist of boundary and topographic surveys and surveyor title review. Environmental tasks include wetland mitigation assistance and threatened and endangered species coordination in addition to annual mitigation monitoring over 5 years and gopher tortoise survey, permitting and relocation. The firm is providing landscape and irrigation design development, construction and record drawing documents. Civil construction document preparation including signing and pavement marking, pre-construction and construction period services are also being provided. Miller Legg was the prime consultant for the master planning, design, and construction for the development of the 313-acre national cemetery in Palm Beach County.

Stephen P Clark Government Center Surveying - The Town of Davie is moving forward with their plans to demo the existing 14-acre Town Hall site on Orange Drive in downtown Davie. A new Town Hall building, and associated amenities shall be designed and constructed. Miller Legg is on the team to provide pre-design services including a boundary and topographic survey and SUE services, and plat preparation and processing. The Boundary and Topographic Survey has been completed using laser scanner technology and conventional surveying methods. The southern portion of the site is quite dense with trees, which provided a challenge for the scanner crew due to dense canopy. The use of the scanning technology improved the anticipated schedule for the deliverable. The ultimate Client (the Town) will provide the viewer software and digital files for their use in presentations.

Seminole Tribe of Florida (STOF) Hollywood Hard Rock Hotel and Casino Expansion - Miller Legg was a member of the Suffolk/Yates JV Team which provided surveying and subsurface utility engineering (SUE) services for major demolition, renovations and expansion to the Hard Rock Hotel and Casino on the Seminole Tribe's Hollywood Reservation. The feature elements included a new iconic 1,274-room Guitar Hotel and Villas, and over 300,000 sf retail, convention and spa space. Services included boundary surveys, control surveys, verification of benchmarks, layout and monitoring of columns and grid lines, as-builts, final surveys and SUE. The project was completed in 2019 at a cost of approx. \$1.8 billion.

Seminole Tribe of Florida (STOF) Hollywood Hard Rock Pool Tower & East Pool (Bora, Bora) - Miller Legg provided survey layout and as-built services for the new 9-story Pool Tower and East Pool areas as part of the expansion to the Hard Rock Hotel and Casino on the Seminole Tribe's Hollywood Reservation. Tasks included, after each elevated pour, a horizontal and vertical control at each level, on slab, each column, wall, edges at 50-foot intervals at one elevation.

Seminole Tribe of Florida (STOF) Big Cypress Senior Center and Auditorium - Miller Legg is providing environmental, engineering, survey and landscape architecture services for a one-story 60,000 sf auditorium and a one-story 20,000 sf Senior Center at the Big Cypress Reservation in Clewiston. The firm is assessing the potential for natural resources, including wetlands and protected species. The scope includes a boundary and topographic survey as well as planting and irrigation conceptual and design documents and construction observation. The engineering work comprises preparation of a stormwater report, on- and off-site engineering plans, permitting and construction phase services. In addition, the team is providing a Phase I Environmental Site Assessment and a geotechnical investigation.



1. Ability of Professional Personnel
Resumes

Years of Experience: 3

Years With the Firm: 2

Education:*Master of Landscape Architecture*

Florida International University, 2019

Bachelor of Arts, Religion, Minor in Education

Florida State University, 2014

Michael Bradley*Landscape Designer***Professional Experience:**

Michael is a Landscape Designer supporting the firm's projects including those in the public sector such as aviation, county and federal buildings, educational facilities, municipal parks and recreation master plans, park landscape, hardscape and irrigation design, as well as streetscape for the Florida Department of Transportation.

Relevant Project Experience:

City of Fort Lauderdale Executive Airport (FXE) Outparcels B, C, D Cypress Creek Commerce Center Site Work - Miller Legg is providing planning, civil and traffic engineering and landscape architecture for the development of Cypress Creek Commerce Center. The project consists of a five building multi-tenant industrial development totaling 352,040 SF at the Fort Lauderdale Executive Airport (FXE) parcels B, C and D. Scope includes conceptual site plan, public notification process, lighting plan, vacation preparation and processing through the city and county, water, sewer and drainage design, master stormwater design, landscape and hardscape plans, irrigation design, and construction documents.

Broward County South New Regional Courthouse Pre-Design Phase - Miller Legg is providing pre-design civil engineering services related to the development of the new Broward County South Regional Courthouse in Hollywood. The firm is responsible for site civil and landscape architecture programming, detailed site plan design evaluation, assistance with project development schedule including code compliance due-diligence, agency review processes and timeline, and approval requirements for site design completion, construction cost estimates, and estimated construction schedule. Site design evaluation included anticipated traffic generation and evaluation of traffic

flow patterns. The traffic volume and flow patterns identified necessary infrastructure to accommodate including off-site dedicated right-turn lanes, design and implementation of a functional round-about incorporated into the proposed facility, and off-site lane assignments by means of striping to accommodate an off-site left-in. Additional site design evaluation included preliminary drainage calculations to determine size requirements for underground stormwater storage system.

United States Department of Veterans Affairs South Florida National Cemetery Phase 2 Design-Build - Miller Legg is providing civil, survey, landscape architecture, irrigation design and environmental services for Phase 2 of this Design Build project located in Lake Worth. Survey services consist of boundary and topographic surveys and surveyor title review. Environmental tasks include wetland mitigation assistance and threatened and endangered species coordination in addition to annual mitigation monitoring over 5 years and gopher tortoise survey, permitting and relocation. The firm is providing landscape and irrigation design development, construction and record drawing documents. Civil construction document preparation including signing and pavement marking, pre-construction and construction period services are also being provided. Miller Legg was the prime consultant for the master planning, design, and construction for the development of the 313-acre national cemetery in Palm Beach County.

Veterans Administration (VA) Florida National Cemetery Ph5 Design Build - Miller Legg was retained to provide surveying civil engineering, landscape architecture and environmental services for the Florida National Cemetery Phase 5 Design Build Project located in Bushnell, FL. The project comprises the next and final construction phase of cemetery



Michael Bradley

development and primarily includes master planning design and construction involving the development of approximately 40 acres of undeveloped land to accommodate approximately 50,350 gravesites, including both casket and cremation sites in new burial sections. The scope of work also includes topographic survey, agency permitting, environmental compliance review, threatened and endangered species review, addressing corrections and repairs and evaluating existing structures and landscaping/irrigation for sustainability. Miller Legg is a subconsultant to The LA Group.

Florida International University (FIU) Biscayne Bay Campus Lift Station - Miller Legg is providing site engineering design and construction phase services for sewer assessment/ planning and design of a new lift station because of the existing lift station deficiency in required pressure for current and future campus conditions. The firm is evaluating whether the current infrastructure and lift station capacity (including pumps, work pressure, location) is sufficient to facilitate anticipated future campus improvements. Permitting will be coordinated with numerous agencies and the City of North Miami. Design services will be followed by construction observation of pump installation, underground piping and site civil improvements and closeout services. Landscape design was also provided to screen the pump station from the parking lot and surrounding viewpoints.

City of Weston Community Center - Miller Legg is providing survey, SUE, civil engineering, landscape architecture and irrigation design, bidding assistance and construction administration services for the new City of Weston Community Center at Weston Regional Park as part of the Cartaya Architects team. Permitting is being coordinated with the Cities of Weston and Sunrise, FDEP and SFWMD. The 12.5-acre parcel is being redeveloped from land currently used for sports activities and passive green space. It will comprise an indoor facility of approx. 25,000 SF to accommodate office space and multi-purpose rooms. The planned outdoor facilities will total

6,400 SF, while site work beyond the building will include lawn seating, a 7,500 SF playground, parking and landscaping.

City of Miramar Historic Public Safety Complex - The City of Miramar replaced the Civic Center and Child Care building with a new one-story 24,000 SF building to accommodate its police substation, storage, administrative and other law enforcement, and public safety facilities, in addition to a surface parking lot for safety vehicles. The new building was designed and constructed to attain Silver LEED certification. Miller Legg provided civil engineering design, permitting, construction administration, LEED certification and value engineering review services as part of the Architects Design Group team.

John Knox Village Pompano Beach Welcome Center - In preparation for the proposed new Welcome Center at the John Knox Village retirement community Pompano Beach campus, Miller Legg was retained to perform site development services consisting of planning, engineering and landscape architecture. Preparation of the conceptual site plan entails a review of relevant City of Pompano Beach development codes, existing utilities information, the proposed building plan and existing site conditions. Engineering services include engineering construction document production and construction observation. In addition to the City of Pompano Beach, permitting is being coordinated through numerous agencies. A photometric lighting plan for surface parking is also part of the scope. The landscape architecture tasks include tree assessment, removal permitting, planting and irrigation design and construction documents, in addition to construction observation.

Vizcaya Museum & Gardens Master Plan Refinement - Located on Biscayne Bay in Miami, Florida, Vizcaya is the 50-acre historical Villa and gardens of industrialist James Deering and is designated as a National Historic Landmark. Miller Legg was the landscape architect and traffic/transportation consultant for the Vizcaya Museum and Gardens Master Plan refinement. The Master Plan refinement focused on the

entire Vizcaya property, especially the integration of Vizcaya village into the educational and historical guest experience, incorporating historical agrarian and horticultural aspects of the Vizcaya village into the guest experience at the Vizcaya Museum and Gardens. Miller Legg collaborated with Quinn Evans Architects and MC Harry Architects on this historical restoration project for Miami-Dade County and the Vizcaya Museum and Gardens Trust.

Coca Cola Town of Pembroke Park, Hollywood - Miller Legg assisted with preparation and processing of a master site plan, civil plans and processing through government agencies of the Coca-Cola Beverages facility in the Town of Pembroke Park. The firm provided planning, civil engineering survey and SUE services for the preparation of 8" water line extension construction documents and permitting from an existing backflow preventer to the northeast corner of the building. Boundary, topographic and tree surveys and utility designation were performed. A master site plan modification package was prepared. Permitting was coordinated through BCEPGMD, SFWMD and the Town.

Westminster Academy Master Plan - Miller Legg is providing planning services related to the development of a Campus Master Plan (CMP) for both its main campus in Fort Lauderdale and its athletic campus in Lauderdale Lakes. The Campus Master Plan process includes identification of key stakeholders, key issues and goals to be addressed, schedule and deliverables to stakeholders. A campus inventory of on-site conditions and as-built documentation was performed, to be followed by Concept CMP Development to create a preliminary space program of existing Campus current and future uses as required to meet projected campus growth needs. The Master Plan and Implementation Approach addresses key elements such as site plan, infrastructure improvement outline, landscape approach and utilization alternatives. The team is also furnishing architectural analysis and planning services as part of this process.



1. Ability of Professional Personnel
Resumes

Years of Experience: 21

Years With the Firm: 21

Registrations & Certifications:

Registered Landscape Architect, FL, 2005
FDOT Intermediate Maintenance of Traffic, FL, 2013

Education:

Bachelor of Science, Landscape Architecture
North Carolina A&T State University, 2000

Continuing Education:

Eminent Domain for Landscape Architects, 2013
 FDOT Landscape Highway Seminar, 2005, 2006, 2008 and 2013
 FDOT Outdoor Advertising Workshop, November 2008 and February 2010
 FDOT Plan Reviewer's Workshop, November 2006 and November 2007
 FDOT Specifications Package Preparation Training Certificate, 2016
 Irrigation: The End to Water Waste in Landscapes 2013
 Landscape Palm Diseases, 2013
 LAP Project Inception to Notice to Proceed, October 2007
 LAP Training for Right-of-Way and Real Estate Acquisition, May 2008
 PSMJ Project Management Boot Camp, 2007

Brian Shore, RLA*Senior Landscape Architect***Professional Experience:**

As a Senior Landscape Architect, Mr. Shore has significant experience in landscape architectural design and landscape construction services for a variety of public and private projects. Specialties include landscape, hardscape, and irrigation design services for streetscape and roadway projects including the Florida Department of Transportation (FDOT), all aspects of active and passive park design, healthcare campuses, and environmental wetland habitat creation. Other experience includes various residential and commercial projects. Mr. Shore is a Senior Associate of the firm.

Relevant Project Experience:

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Extension Project - Miller Legg was the lead professional for environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also included tracking of all other site permits including stormwater, utility, FEC and roadway permits, as well as certified arborist/tree evaluation of more than 1,100 trees. The new 8,000 LF Runway is elevated and crosses over the Airport's Perimeter Road, the FEC railroad and US1. Extensive permitting agency coordination was required due to mangrove and other wetland impacts. Utilizing LEED criteria, sustainability opportunities existed in the selection of more energy efficient utilities inside the structures over the roadways and in preservation of existing resources. Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water, and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other

sustainability benefits could be realized. Miller Legg was a subconsultant to Atkins North America.

Broward County Aviation Department (BCAD) Fort Lauderdale-Hollywood International Airport South Runway Hilton Hotel Demolition Tree Survey & Relocation Hilton Demolition - Miller Legg and its Certified Arborists conducted a comprehensive tree survey/inventory on all 700 trees located at the prior Hilton hotel property in Dania Beach. Using this data Miller Legg acquired the necessary City and County permits to remove trees that were within a 30-foot buffer of the Hilton Hotel, which was scheduled for demolition as it was a man-made obstruction based on FAA guidelines and the opening of the new Fort Lauderdale-Hollywood Airport runway 10L. The firm coordinated with the client, demolition experts and contractor on construction methodologies for tree preservation, protection and adherence to permit conditions and county and local tree preservation codes. Miller Legg also conducted a multi-week observation of the Hilton Hotel demolition in order to ensure the trees permitted to remain on site were constantly protected from large scale demolition equipment. In addition, Miller Legg provided observation during construction for permit compliance in addition to the tree relocation process on site with accompanying field reports of activity. Civil engineering services included specifications preparation and permitting coordination with agencies such as DEP (asbestos report), various Broward County Departments, City of Dania Beach, and relevant public utilities. This was necessary for utility and cellular power down, close out or removal in advance of the demolition event. Prepared demolition specs and anticipated permitting time frames for contractor and coordinated removal of equipment for all cellular providers occupying the cellular towers.

Brian Shore, RLA

City of Fort Lauderdale Executive Airport (FXE) Outparcels B, C, D Cypress Creek Commerce Center Site Work - Miller Legg is providing planning, civil and traffic engineering and landscape architecture for the development of Cypress Creek Commerce Center. The project consists of a five building multi-tenant industrial development totaling 352,040 SF at the Fort Lauderdale Executive Airport (FXE) parcels B, C and D. Scope includes conceptual site plan, public notification process, lighting plan, vacation preparation and processing through the city and county, water, sewer and drainage design, master stormwater design, landscape and hardscape plans, irrigation design, and construction documents.

United States Department of Veterans Affairs South Florida National Cemetery Phase 2 Design-Build - Miller Legg is providing civil, survey, landscape architecture, irrigation design and environmental services for Phase 2 of this Design Build project located in Lake Worth. Survey services consist of boundary and topographic surveys and surveyor title review. Environmental tasks include wetland mitigation assistance and threatened and endangered species coordination in addition to annual mitigation monitoring over 5 years and gopher tortoise survey, permitting and relocation. The firm is providing landscape and irrigation design development, construction and record drawing documents. Civil construction document preparation including signing and pavement marking, pre-construction and construction period services are also being provided. Miller Legg was the prime consultant for the master planning, design, and construction for the development of the 313-acre national cemetery in Palm Beach County.

Veterans Administration (VA) Florida National Cemetery Ph5 Design Build - Miller Legg was retained to provide surveying, civil engineering, landscape architecture and environmental services for the Florida National Cemetery Phase 5 Design Build

Project located in Bushnell, FL. The project comprises the next and final construction phase of cemetery development and primarily includes master planning design and construction involving the development of approximately 40 acres of undeveloped land to accommodate approximately 50,350 gravesites, including both casket and cremation sites in new burial sections. The scope of work also includes topographic survey, agency permitting, environmental compliance review, threatened and endangered species review, addressing corrections and repairs and evaluating existing structures and landscaping/irrigation for sustainability. Miller Legg is a subconsultant to The LA Group.

Orlando VA Healthcare System (VA) Medical Center Facility Master Plan - Miller Legg is providing irrigation and landscape architecture services for the Orlando Veterans Administration (VA) Medical Center Facility Master Plan project, which consists of four (4) sites: Lake Nona VA Medical Center, Lake Baldwin VA Outpatient Clinic, Lakemont Campus VA Medical Center and Viera Outpatient Clinic. The firm is responsible for the evaluation and review of existing conditions, and development of design recommendations, including Opinion of Probable Costs. Environmental concerns and methods will be identified to make each campus "greener" by using sustainable irrigation and landscape principles. Miller Legg will prepare a Comprehensive Irrigation Facility Master Plan taking account of future campus projects, and will assist with a review of the 100% landscape plan.

School Board of Broward County (SBBC) Pine Lakes Elementary International Welcome Center - Miller Legg is providing engineering plans for new parking lot design and fence in a 1-acre area to repurpose Building 85 at the Pines Lake Elementary School 10-acre site to an International Welcome Center public facility. The scope of services consists of topographic and tree surveying, conceptual and on-site

engineering plans, bidding assistance and construction administration services. Permitting is being coordinated with South Broward Drainage District (SBDD) and Broward County School Board.

Miami-Dade Expressway Authority (MDX) D/B Dolphin Station Park & Ride Transit Terminal Facility - This project was a partnership between Miami-Dade Expressway Authority, Miami-Dade Transit and Florida Department of Transportation. We were a subconsultant to the design/build team of BCC Engineering, lead engineer, and Halley Engineering Contractors, contractor. Miller Legg provided landscape architecture design, permitting and construction services for a 900-parking space Park and Ride Transit Facility located at the Northwest corner of NW 12th Street and the Homestead Extension of the Florida's Turnpike.

City of Weston Community Center - Miller Legg is providing survey, SUE, civil engineering, landscape architecture and irrigation design, bidding assistance and construction administration services for the new City of Weston Community Center at Weston Regional Park as part of the Cartaya Architects team. Permitting is being coordinated with the Cities of Weston and Sunrise, FDEP and SFWMD. The 12.5-acre parcel is being redeveloped from land currently used for sports activities and passive green space. It will comprise an indoor facility of approx. 25,000 SF to accommodate office space and multi-purpose rooms. The planned outdoor facilities will total 6,400 SF, while site work beyond the building will include lawn seating, a 7,500 SF playground, parking and landscaping.

University of Miami Sylvester Comprehensive Cancer Center - Miller Legg provided planning, landscape architectural and engineering services for a 5,700 SF expansion to the oncology research building located in the City of Deerfield Beach. Specific services include site plan preparation, processing and design, permitting and construction services.



**ADAM C. SWANEY, P.E., VICE PRESIDENT
PROJECT MANAGER****EDUCATION**

Bachelor of Science, Civil Engineering, University of Florida, 2005

CERTIFICATIONS

State of Florida, Civil Engineering #72235

AFFILIATIONS & AWARDS

- LEED Accredited Professional, FL, 2009
- Young Engineer of the Year, American Society of Civil Engineers, Palm Beach Branch, 2008
- ASCE Younger Member Coordinator, Palm Beach Branch, 2006-2008

Mr. Swaney is a Senior Project Manager who works with both public and private sector clients. He is responsible for water distribution systems, sanitary sewer and stormwater design and modeling, site grading and various agency permitting. Throughout his career, Mr. Swaney has also worked on many roadway improvement projects, most recently designing all new roads on a land development project located across the C-51 Canal from Southern Boulevard that was recently annexed into the Village of Royal Palm Beach.

EXPERIENCE**Wellington Municipal Complex, Wellington, FL**

The Project is described as a Design/Build of a municipal complex on a 6-acre site for the Village of Wellington. Project elements included design and permitting of a stormwater collection cistern, water, sewer, paving and grading improvements. This project achieved LEED Silver Certification.

Fire Station #2, Riviera Beach, FL

The old Fire Station No. 88 site is being repurposed into a new facility to be known as Fire Station No. 2. This site will consider shared access and parking with the City's Barracuda Bay Water Park. As Project Manager, Mr. Swaney is responsible for much of this project's development through the schematic design, design development, construction documents preparation, permitting and bidding phase, and construction administration & certification phases.

**Calusa Elementary School Renovation
Boca Raton, FL**

Project Manager for the repairs and renovations design of this school from the preliminary engineering phase to construction certification. Mr. Swaney used the survey that was provided by our Survey Department and prepared ADA

Accessibility standard plans and specifications and an opinion of probable cost. Gathered necessary information to submit permit applications to the SDPBC then facilitated the construction phase to the Final Notice of Acceptability.

**Riviera Beach CRA, 2600 Broadway Building
Redevelopment, Riviera Beach, FL**

In connection with the referenced project Mr. Swaney provided civil engineering services as Project Manager through the schematic design, design development, permitting, bidding and construction phases. The work entailed façade modification, site improvement, landscaping, construction and buildout for this 25,412 SF building that the CRA aimed to develop into first floor retail and second floor offices.

Palm Tran Intermodal Facility, West Palm Beach, FL

An on-grade bus transfer facility located in West Palm Beach. The Project consisted of eighteen (18) bus bays, vehicle drives and pedestrian walkways with appropriate site improvement.

FAU/UF Joint Use Facility, Davie, FL

The Project is generally described as classroom/administrative building on a 6 acre

**ADAM C. SWANEY, P.E., VICE PRESIDENT
PROJECT MANAGER**

site on the FAU campus in Davie, FL. Project elements included design of Lift station, water main, paving, grading and drainage as well as all site permitting.

Norton Art Museum

Since 2000, Norton and Engenuity have been working to improve the museum structure. Adam served as the Client Services Manager. He prepared a demolition plan that was executed in phases, so the museum could remain open. In order to meet the requirements of the City of West Palm Beach, new paving and grading, drainage plans, water distribution plans, and utility plans were prepared. Responsibilities also included the addition of a driveway connection.

South Florida Fairgrounds, West Palm Beach, FL

Since 1998, Engenuity has served the South Florida Fair and Palm Beach County Exposition, Inc. to perform civil engineering and surveying for the fairground property. Some assignments have included master planning of Yesteryear Village, Skyride siting and permitting, midway layouts, and archway gate renovation and entrance. Engenuity also performed all the site engineering, and permitting for the construction of a 65,000 SF new expo hall, adjacent to the existing facility. Design features included midway planning, event parking, pedestrian movements, relocation of water, sewer, and utility features, and the location of Lake Florida, the Fair's state shaped lake.

Royal Palm Beach Amphitheater Construction, Royal Palm Beach, FL

This project involved providing a permanent stage and restroom facility for the Village of Royal Palm Beach Amphitheater. Mr. Swaney provided preliminary civil engineering plans for site plan approval, and produced civil engineering design/construction plans. He also obtained the necessary permits for the project, and performed phases of construction services as the amphitheater was being built, including inspections and observations of the selected contractor. Permits were obtained from the Village of Royal Palm Beach, South Florida Water

Management District, the Palm Beach County Health Department, and Palm Beach County Fire Rescue.

Driver's License Office, Palm Beach Gardens, FL

For this property in Palm Beach Gardens EGI provided preliminary engineering services for civil design. Swaney served as project manager, through the preparation of conceptual drawings for drainage, paving, wastewater, and water work, drainage statement and drainage calculations while coordinating with Seacoast Utilities. Next he managed the design and permitting phase from drawing preparations to permit submittals. Finally, he oversaw the construction phase from site visitations to the preparation of certifications.

Port of Palm Beach- Slip 3 Expansion

Mr. Swaney is the Senior Project Manager and provided design and construction observation services for the Slip No. 3 expansion project. The design included drainage improvements aimed at meeting water quality requirements, associated utility improvements, and paving of the upland area between Slip No. 2 and Slip No.3. Construction of the first phase of work at Slip No. 3 began in February 2012 and is estimated to be completed in 2018. All phases of the project focus on expanding Slip No. 3 in order to berth larger ships.

St. Mary's Hospital Parking Lot Expansion

As Project Manager on this construction Mr. Swaney managed the Site Plan Approval Assistance, the Design and Permitting, and Construction Phase and also Sub-consultant Services (Landscape/Irrigation Design and Construction, Electrical Engineering, and Geotechnical Engineering) in the expansion of North and South parking lots. He has overseen the preparation of Drawings, Cost Estimate, Horizontal and Pollution Prevention Plans, and made sure necessary permits were submitted. He was in charge of Site Visits and Observations, the Clarifications/Interpretations of Filed Orders, the Review of Shop Drawings and Samples, Inspections and Test, Record Drawings and completions of Certifications and Final Notice of Acceptability.



C. ANDRE RAYMAN, P.S.M., PRESIDENT SURVEY PROJECT MANAGER



EDUCATION

Bachelor of Science, Surveying and Mapping, University of Florida, 1988

CERTIFICATIONS

- State of Florida, Surveying and Mapping, LS #4938

AFFILIATIONS & AWARDS

- Florida Surveying and Mapping Society Palm Beach Chapter, Vice President (2006-2007), President (2007-2008)
- Florida Association of Cadastral Mappers
- American Congress on Surveying & Mapping
- Forest Hill High School Engineering Academy Adviser (2007-2012)
- FES Mentor Program at Florida Atlantic University (2011-2013)
- Palm Beach County League of Cities, Associate Member (2004-present)
- Florida Atlantic University Geomatics Engineering Advisory Committee, Executive Chair (2010-2016), Board Member (2010-present)

Mr. Rayman is a Registered Land Surveyor in the State of Florida and has over 32 years of experience in the surveying field. He is a fourth generation land surveyor and has been with Engenuity Group since 1988. He is an expert in topographic, boundary, and tree surveys as well as basemaps, right-of-way maps and sketch and descriptions. He has 3 decades of experience in data quality control / quality assurance, collection analyzation, and has used that knowledge and experience to provide our clients with a service tailored to their needs.

EXPERIENCE

Palm Beach County Department of Airports

- Topographic Survey of UPS/Fed Ex loading area
- Topographic Survey of Concourse A/B
- Topographic Survey of Taxiway "C"
- Topographic Survey commercial runway
- Topographic Survey of North Palm Beach County General Aviation Airport

Palm Beach Supervisor of Elections

- Boundary, Topographic & Tree Surveys

PBC Homeless Resource Center 2

- Boundary, Topographic & Tree Surveys

City of Riviera Beach

- Right-of-way maps and parcel maps for Riviera Beach, 13th Street, 11th Street and Avenue C. (Port of Palm Beach)
- Boundary survey of City Hall
- Sketch and descriptions for access easements for Utility Plant

- Topographic Survey of West 36th Street
- Boundary Survey at 1101 W. 13th Street
- Topographic Survey of 13th Street (Dixie Highway to Avenue P)
- Topographic Survey of Blue Heron Blvd/Avenue P intersection
- Topographic Survey of proposed Public Works complex
- Riviera Beach Storm water data collection for GIS
- Topographic Survey of Avenue T and RC-5 Canal
- Topographic Survey of Avenue S and 23rd Street
- Topographic Survey of utility plant for design
- Inner City Golf Youth Museum Boundary, Topographic & Tree Survey
- Topographic Survey of Ave S and 23rd St.
- Topographic Survey of W 37th St. from Ave F to Broadway

**C. ANDRE RAYMAN, P.S.M., PRESIDENT
SURVEY PROJECT MANAGER**



- Topographic Survey of W 37th St. from Ave H to F and Ave F from W 37th St. to W 34th St.
- Topographic Survey of W 35th St. from Ave J to H and Park Manor
- Topographic Survey of E. Industrial Way & Center Industrial Way
- Topographic Survey of W 36th & 37th St. from Ave J to H
- Boundary Survey of Timber Pine Park
- Ave J ROW abandonment replat & legals
- Boundary, Topographic and Tree Survey of 2129 North Congress
- Boundary, Topographic & Tree Surveys for Miami Subs and adjacent lots
- El Monte neighborhood Topographic Survey
- WPB Golf Course Boundary Survey
- Howard Park Community Center Topographic Survey
- Flagler Dr. intersections Topographic Surveys (Suma St., Forest Hill Blvd., Cortez Rd., Palmetto Ln., Bunker Ranch Rd., E. Lakewood rd., Worth Court N.)
- Dreher Park Zoo Restroom Facilities Topographic Survey
- WPB Public Training Facility Boundary & Topographic Surveys
- ECRWRF Topographic Survey for proposed building & duct bank 18116
- Boundary Survey of 1600 N Australian Ave

City of West Palm Beach

- Topographic Survey for Palm Beach Lakes Boulevard
- Topographic Survey for Cumberland Drive
- Topographic Survey Olive Avenue from Quadrille St to 6th St
- Boundary, Topographic and Hydrographic Survey of Flagler Drive
- Boundary and Topographic Survey for design at 5 Well Sites
- Bathymetric Survey for Environmental Analyses for Waterfront Facilities
- Specific Purpose Survey of Spruce Avenue from 25th Street to 40th Street
- Specific Purpose Survey of Old City Hall
- Boundary Survey of WPB Historic Chemical Building
- Rilyn and Russlyn Road Improvements Topographic Survey
- Topographic Survey for Dock Street Force Main Replacement
- Topographic Survey of Parker Ave by Belvedere Rd (580 feet)
- Topographic Survey of Rosemary Ave from Clematis St to 11 St
- Streets near Parker Ave (Georgia Ave., Flamingo Dr., Ardmore Rd.) Topographic Surveys

Village of North Palm Beach

- Topographic Survey for Bulkhead Design/Retrofit
- Golf Course Boundary Definition for new Golf Course Layout
- Plat review
- Basemap and Sketch/Description for Carolinda Drive
- Topographic & Boundary Survey for Anchorage Park
- Drainage System Mapping
- Boundary & Topographic Survey of Golf Course Clubhouse
- Lighthouse Drive Topographic Survey

Town of Lake Clarke Shores

- Review Plats
- Topographic and Boundary Survey of Town Hall
- Cross Sections of LWDD Canal and Topographic Survey of City Park adjacent to Forest Hill Blvd
- Develop Property Ownership GIS
- Sanitary Sewer Expansion Project Stake and Grade

**JENNIFER C. MALIN, P.S.M.,
PROJECT SURVEYOR****EDUCATION**

Bachelor of Science, Surveying and Mapping, University of Florida, 2003

CERTIFICATIONS

- State of Florida, Surveying and Mapping, LS #6667
- Qualified Stormwater Management Inspector

AFFILIATIONS & AWARDS

- Florida Surveying and Mapping Society member since 2005 (No. 8481)

Mrs. Malin is a Registered Land Surveyor in the State of Florida with over 15 years of experience in the field. She has been working at Engenuity Group, Inc. since 2003 and has a superior understanding of surveying and mapping concerns in South Florida. She is a seasoned AutoCAD Drafter who always produces the highest quality deliverables in a timely manner. Ms. Malin is the Director of our survey department, overseeing every aspect of daily operations.

EXPERIENCE**Palm Beach International Airport**

- Topographic data with elevations for Air Cargo Apron Rehabilitation
- Topographic data and Controls for Taxiway C Rehabilitation
- Construction Layout for Taxiway F Rehabilitation
- Establish controls/Provide Construction Layout and Asbuilts for Apron A Expansion
- Construction Layout for Baggage Area

Pleasant City Park and Community Center

Ms. Malin is the Project Manager for the production of a boundary and topographic survey for one of West Palm Beach's active community parks, located at 501 21st Street. The surveys will assist in the renovation and rehabilitation of the facilities designed by Erdman Anthony.

Broward County Emergency Operations Center

Ms. Malin served as Project Manager for the preparation of a boundary and topographic survey to facilitate improvements at the Broward Co. EOC. The area surveyed included the bus transfer and maintenance areas, showing rights-of-ways in the roads. Ms. Malin coordinated with

Blood Hound, Inc. to obtain underground utility locations which was presented to the civil engineer and landscape designer.

Royal Palm Beach Branch Library Sanitary Sewer Rehabilitation

Ms. Malin is the Project Manager for the survey department working alongside Engenuity Group's engineering department, Robling Architecture & Construction, and Palm Beach County Library Department Staff to design and construct a replacement sanitary sewer line that has been compromised. She is the project manager involved with the preparation of a topographic survey of the area located outside of the Library's northern building on Civic Center Way where the existing line runs extending to the building and through the parking area. Data collected will include inverts at manholes and cleanouts and all other above ground improvements. She is overseeing production of record drawings after the removal and installation of the new sewer line.

Village of Wellington

Since the initial award of our continuing services contract in 1999, Engenuity Group has

**JENNIFER C. MALIN, P.S.M., VICE PRESIDENT
PROJECT SURVEYOR**

completed a variety and number of projects for the Village, including the following, which Ms. Malin assisted completing:

- Topographic Survey for Big Blue with Sketch and Descriptions of encroachments
- Topographic Survey for Rustic Ranches
- Topographic Survey for 50th Street South
- Underground Utility Locating and Topographic Survey for Watermain Replacement Project
- Topographic Survey Southshore Boulevard Phase III
- Topographic Survey of Big Blue Trace and Paddock Drive
- Topographic Survey of Pierson Road
- Topographic Survey of Fairlane Farms Road
- Topographic Survey of Flying Cow Road
- Topographic & Boundary Survey of Wellington Landings Middle School
- Establish Controls and obtain topographic data of Acme Road Driveway Connection
- Topographic Survey of 130th Ave S and 50th St S Horse Crossing
- Topographic Survey of Stribling Way & Fairlane Farms Road
- Boundary Survey, Alta Survey, FEMA Certificate of Lake Wellington Professional Center
- Wastewater Treatment Plant Sketch & Description, Topographic, Boundary & Construction Surveys
- Town Center Boardwalk Topographic Survey
- Folkstone Circle from Carlton St. to Yarmouth Ct. Topographic Survey
- Tiger Shark Cove Basketball Courts Topographic Survey
- South Shore Blvd Force Main Replacement Phase 1

Village of Palm Springs

- Boundary & Topographic Survey of Foxtail Palm Park
- Prepared a Sketch & Description for Cross Street Right-of-Way

- Topographic Survey of Village Property @ 3859 Kirk Road
- Prepared Legal Descriptions for Lift Stations on Lake Worth Rd. & Price St.
- Topographic Survey for 4 Lift Stations included in 2017 Improvements Package
- Topographic Survey for New Sidewalk on Lakewood Road
- Boundary & Topographic Survey for Fitness Pavilion
- Topographic Survey for 4 Lift Stations included in 2018 Improvements Package
- Topographic Survey for Cypress Lane Stormwater Improvements
- Sketch & Descriptions for Lakewood & Coconut Roads
- Palm Springs CRA boundary surveys
- Sabal Palm Parks Restroom Addition Boundary, Topographic & Tree Surveys

City of Riviera Beach

- Sketch and descriptions for access easements for Utility Plant
- Topographic Survey of 13th Street (Dixie Highway to Avenue P)
- Topographic Survey of Blue Heron Blvd/Avenue P intersection
- Topographic survey of Avenue T and RC-5 Canal
- Topographic Survey of Avenue S and 23rd Street
- Dune Walkover Topographic Survey

PBG Operations Center

- Construction Stakeout
- Elevation Certificate
- Formboard Survey of Operations Center Building

Palm Beach County Aqua Crest Complex

- Boundary, Topographic and Tree Surveys for this Aquatic Facility in Delray Beach as part of improvements through PBC Capital Improvements Department.



RICHARD BROWN, E.I.
PROJECT ENGINEER



EDUCATION

- B.S. Civil Engineering, University of Miami, 2008
- B.S. Architectural Engineering, University of Miami, 2008

CERTIFICATIONS

- State of Florida, Engineering Intern #1100009209
- PSMJ Project Management Boot Camp Certificate of Completion

Mr. Brown graduated from the University of Miami with a Bachelor of Science in Civil Engineering and Architectural Engineering in 2008 and has been working in the industry since 1999. Over his tenure Mr. Brown has been responsible for the design and plan preparation of various aviation projects throughout South Florida.

EXPERIENCE

Central Blvd. Modifications, Miami International Airport, FL

Design Engineer responsible for traffic analysis of existing and future conditions for the MIA Central Boulevard expansion and realignment project. Project required the modeling Central Boulevard as a freeway using CORSIM Analysis & Simulation Package. The traffic tasks included the conversion of model volumes to DHVs based on the existing traffic patterns as well as the development of MOEs comparing the existing and the project year conditions.

Miami-Dade Intl. Airport Parking Garage #6, Miami-Dade County, FL

Design Engineer for the civil engineering design services for the Miami-Dade County Aviation Department's (MDAD) proposed \$45 million Park 6 Garage. The civil engineering services include: the paving layout and design, the drainage/site design, the coordination of the utilities, the provision of new utility services, the relocation of the access roadways, the provision of temporary roadways, the realignment of Central Blvd., and maintenance of traffic during the construction.

Runway 9L-27R Overlay, Ft. Lauderdale-Hollywood Intl. Airport, FL

Responsible for providing civil engineering services required for the overlay of Runway 9L-27R. The scope of work included: Grading and Paving, Drainage Design and Stormwater Management Plan, Engineered Materials Arresting Systems (EMAS) coordination geometry layout and tie-down block analysis, Pavement

Marking and Details, Design of Proposed Blast Fence Foundation System and Preparation of ERP Permit Package.

Terminal Access Roadways Stormwater Master Plan, Ft. Lauderdale-Hollywood Intl. Airport, FL

Responsible for the preparation of stormwater master plan studies, investigations, plans, and the development of design-build documents for the terminal access roadways for the Fort Lauderdale-Hollywood International Airport. The services included conceptual stormwater planning, design, dewatering, and permitting to address the effects of the proposed roadway and portions of the new terminal and runway during and after construction. The stormwater planning was done by first analyzing the pre-development condition for comparison to the post-development condition. The analyses covered an area measuring 617 acres and were modeled using 35 basins. Analyses were done using the storm water modeling software - Advanced Interconnected Pond Routing (AdICPR). The results of the investigations, studies, analyses, calculations, and modeling, were assembled in a comprehensive storm water report along with recommendations. Plans were also developed to represent the backbone system for the project and allow for the receipt of a drainage construction permit for the project from SFWMD.

1. Ability of Professional Personnel Resumes

Steven A. Harrison, P.G.
SENIOR GEOLOGIST

PROFESSIONAL EXPERIENCE

Steven is a Senior Associate, Professional Environmental Consultant, and Operations Manager in the South Florida Region that specializes in providing responsive, cost effective, technically accurate and regulatory focused solutions to meet client's project and operational requirements. He has more than 30 years of successful experience continuously exceeding expectations by resolving environmental situations that clients face. Steven's diverse environmental experience includes the assessment and remediation of impacted groundwater and soil, real estate transactional due diligence assessment (Phase I/II environmental site assessments [ESAs]), storage tank system management, industrial and Resource Conservation and Recovery Act (RCRA) waste disposal, wildlife surveys and compliance assistance with federal and State environmental regulations (Spill Prevention, Control, and Countermeasure [SPCC] Plans).

PROJECT EXPERIENCE

Platinum Aviation Lease Parcel, North Palm Beach County General Aviation Airport - West Palm Beach, FL

Authorized Project Reviewer (APR)/Quality Review. The site, proposed Platinum Aviation lease parcel, exists within a larger parcel of land owned by Palm Beach County. The aviation company planned on leasing 5 acres of land, and possibly an additional 2.5 acres. Terracon performed a Phase I ESA consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify recognized environmental conditions (RECs) in connection with the site. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties.

Hazardous Waste Reduction Program at a Facility within the Miami International Airport (MIA) - Miami-Dade County, FL

Project Manager for the evaluation and implementation of a hazardous waste reduction program at a facility within MIA. The



EDUCATION

MS, Marine Geology and
Geophysics, Emphasis: Geo-
Chemistry, Rosenstiel School of
Marine and Atmospheric Sciences,
University of Miami, 1988

BS, Geology
State University of New York
Binghamton, 1980 – 1984

REGISTRATIONS

Professional Geologist
Florida, No. 0001390

Professional Geologist
Georgia, No. 001491 (Inactive)

Florida Licensed Mold Assessor, No.
MRSA508

Florida Licensed Sales Associate
SL3069031 (Realtor –Florida)

CERTIFICATIONS

8- Hr Hazmat Health and Safety
Training Updates (Current)

40- Hr Hazmat Health and Safety
Training (1989)

Short Course: Assessing
Environmental Risk in Property
Transactions (1990)

Short Course: How to Comply with
Florida's Haz Waste Regulations for
Generators

YEARS OF EXPERIENCE: 32

YEARS AT FIRM: 7



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facilities wastewater system was disconnected from the airport's system and all wastes accumulated in sumps were profiled and properly disposed of as RCRA wastes. Waste streams include fuels, chlorinated and non-chlorinated solvents, and metals. Services were performed while with another firm.

Proposed Central Base Apron Modification, MIA, Miami-Dade Aviation Department (MDAD) - Miami, FL

Environmental Project Manager. The MIA Central Base apron consists of paved airplane taxi lane areas and associated airport infrastructure. This area of the airport is utilized for aircraft to park, unload/load, refuel, or board. Several existing buildings and possible old foundations are adjacent to the proposed area of development. Proposed construction included underground utilities, drainages, concrete pavement, retaining walls, light poles, gravity walls, and box culvert structures. Terracon provided onsite inspections of soils during the performance of select geotechnical borings and the collection of sediment samples from the canal along the northern boundary of the site that would be culverted as part of the project, allowing for environmental evaluation of soil samples collected along the path of construction proposed for the installation of new stormwater utility within the site. Samples were selected to provide current analytical data for use in evaluating soil quality in areas where soils would be excavated during construction. Terracon also prepared a historical site assessment report to summarize approximately 40 years of assessment and remedial activities conducted within the Central Base Apron. The historical and current data were interpreted for applicability to Miami-Dade County Environmental Resources Management (DERM), Florida Department of Environmental Protection (FDEP) and MDAD soil reuse guidelines and evaluation of how to properly manage excess soils that cannot remain within the work area. Terracon prepared a soil management plan (SMP) to describe handling protocols and procedures to be followed by the contractor during site construction. The data was also utilized in understanding exposure risk and for preparation of the environmental section of the Health and Safety Plan (HASP) for the site. Services provided included sediment and soil sample collection. Additionally, Terracon provided services for the soil management plan and permitting assistance for the project as well as geotechnical engineering services.

Palm Beach International Airport (PBI), Former Building S-1440, Palm Beach County Transit Authority (Palm Tran) - West Palm Beach, FL

Environmental Services Department Manager/Senior Geologist. The Palm Beach County Department of Airports was considering long-term lease of PBI property, which contains the Former Palm Tran Facility. In accordance with applicable portions of Chapter 62-780, Florida Administrative Code (FAC), Terracon prepared a Limited Scope Remedial Action Plan (LSRAP) for the site in 2017. The objective of this LSRAP is to remediate petroleum contaminant concentrations reported in soil and groundwater samples to concentrations which meet cleanup target levels set forth in Chapter 62-777, Table 1, FAC. Terracon implemented source removal with open-pit air sparging to remediate petroleum hydrocarbon contaminated soil and groundwater at the former Palm Tran facility. The objective of the remedial action was to reduce petroleum hydrocarbon contaminants within the impacted area to below soil cleanup

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target levels (SCTLs) and groundwater cleanup target (GCTLs). The goal was to obtain a No Further Action (NFA) status without conditions and a Site Rehabilitation Completion Order (SRCO). The scope of work included: pre-source removal work; source removal activities; monitoring well re-installation and Quarter 1 Post Active Remediation Monitoring (PARM); Quarter 2 PARM; Quarter 3 PARM; and Quarter 4 PARM.

Opa-Locka Airport Semi-Annual Groundwater Monitoring – Opa-Locka, FL

APR/Quality Review. Terracon has conducted semi-annual groundwater monitoring at the Opa-Locka airport since 2017. Field activities were completed in general accordance with the FDEP's guidance documents. Groundwater samples were collected for laboratory analysis.

1. Ability of Professional Personnel
Resumes**Caridad R. Murphy, QCM**
Materials Testing and Inspections Manager**PROFESSIONAL EXPERIENCE**

Caridad Murphy is a project manager with 27 years of experience in the construction management, contract administration and quality assurance/quality control (QA/QC) of complex transportation projects that include the Florida Department of Transportation (FDOT) and Florida's Turnpike Enterprise (FTE). She has also provided materials testing and inspection services under contracts with cities, counties, school districts, and higher educational clients. She has experience in performing all field and laboratory tests required for verification testing (VT) testing and inspections of soils, asphalt, and concrete; and evaluation of soils, concrete, and asphalt testing for roadway projects. Caridad has worked with various government agencies involved in laboratory inspections such as ASTM Cement and Concrete Reference Laboratory (CCRL), AASHTO Accreditation Program (AAP), AASHTO Materials Reference Library (AMRL), USACE, and the FDOT Inspection-In-Depth (IID) program.

PROJECT EXPERIENCE**Southwest Airlines Terminal 1 (T1) Modernization Fort Lauderdale-Hollywood International Airport (FLL) - Broward County, FL**

Construction Services Manager. Terracon provided quality control (QC) materials testing and inspection services for the various elements for modernization of FLL's T1. Our scope of work included boring layout and elevations, concrete testing and observation, earthwork testing and observation, laboratory testing, steel observation and testing, foundation observations, asphalt testing and observations. The program included T1 modernization and five new gate concourse with a Federal Inspection Service facility (Concourse A). The project includes modifying buildings, security checkpoints, restrooms, hold-rooms, concession layout, design, way-finding, passenger loading bridges, and potential taxiway between new and existing concourses.

Fort Lauderdale Executive (FXE) Airport Landscape Program - Fort Lauderdale, FL

Construction Services Manager. The City of Fort Lauderdale planned minor (interior) renovation and expansion of the FXE Aviation Equipment Services (AES) Facility with associated modifications in the front and rear of the facility. The project included vehicular use areas/parking/driveways, pavement markings, open space, sidewalks, onsite pedestrian paths, lighting, pavers, concrete, landscape area, signage, drainage structures, curbing, all utilities above and below ground, and grading (swales, retention areas, berms, etc.). Terracon conducted construction materials testing services that included field and laboratory testing of concrete, and reporting. Services were provided through a continuing contract Terracon held with the City at the time of our services. Terracon was re-selected in 2019 to provide geotechnical and materials testing services.

**EDUCATION**

Bachelor of Science in Civil Engineering,
Central University of Las Villas, Villa Clara, Cuba, 1992

CERTIFICATIONS

CTQP Quality Control (QC) Manager

YEARS OF EXPERIENCE: 27

YEARS AT FIRM: 8



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Caridad R. Murphy, QCM (continued)

Consolidated Rental Car (RAC) Facility at FLL - Broward County, FL

Project Manager. Responsible for providing and performing comprehensive soils testing geotechnical evaluations at the RAC facility.

Dolphin Station Park and Ride Transit Facility – Miami, FL

Materials QA Manager. Miami-Dade Expressway Authority (MDX) was designing and building the Dolphin Station Park and Ride Transit Terminal Facility in partnership with Miami-Dade County Department of Transportation and Public Works (DTPW) and FDOT, District 6. The project site is located on approximately 15 acres of publicly owned land north of NW 12th Street, just west of the Florida's Turnpike (HEFT) in Miami-Dade County. The transit facility supports the County's State Road (SR) 836/Dolphin Expressway Express Bus Service and provides a terminus or stop for several local bus routes serving the Dolphin Mall and the Cities of Doral and Sweetwater. It also serves a potential future east-west commuter rail service on the CSX line. The project is comprised of 12 bus bays, 10 bus layover bays, parking spaces (849 long-term and 20 short-term), a transit hub with passenger waiting areas and space for retail, "Kiss-and-Ride" drop off areas, as well as landscaping, signage, fencing, and lighting. Miami-Dade County asked MDX to fast track the planning, design and construction of the Dolphin Station. Terracon provided QA and oversight services for all projects included in the General Engineering Services (GEC) continuing services contract EAC Consulting, Inc. and its team holds with MDX.

FTE Pompano Beach Service Plaza – Pompano Beach, FL

Construction Services Manager. The project consisted of the construction of new facilities at the plaza, with a new convenience store and a 40,000-square foot (SF) restaurant facilities. Terracon provided miscellaneous verification testing services.

Coral Springs Westside Maintenance Facility – Coral Springs, FL

Construction Services Manager. The project consists of the building renovation/addition, construction of a pre-fabricated restroom building and pre-fabricated pavilion, and construction of a one-story addition of approximately 3000 SF to an existing structure. The new construction will be supported on shallow foundations and slab on grade. Terracon is currently providing construction materials engineering and testing and special inspection services. As requested, qualified technicians sample soil materials from the site, take earthwork density readings and record those findings on daily reports. Laboratory testing is performed when required. Terracon provides an inspector as requested to monitor and report on installation of helical piles (31 helical piles to be installed according to client). Our Project Manager/Project Engineer is the primary contact for issues, if any, related to the project, prepares and submits invoices according to established deadlines, communicates frequently with our client, the general contractor (GC), to make services are being provided in a satisfactory manner, ensures availability of technical personnel to cover each upcoming assignment, and guarantees that signed and sealed deliverables are being provided to the GC by established closing dates.

Fire Stations No. 43 and No. 95 - Coral Springs, FL

Construction Services Manager. The City of Coral Springs intended to demolish and replace Fire Stations 43 and 95 in their entirety. Terracon provided a construction material testing services for both facilities. Terracon also conducted construction materials testing services in support of construction of the foundations for two mast arm assemblies that were required for traffic signalization in connection with the reconstruction of Fire Station 95. Terracon also provided services for the general contractor. Services included special inspections and testing for concrete, soils, and masonry.



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1. Ability of Professional Personnel
Resumes**Hugo E. Soto, P.E.**
Principal Engineer/QA/QC Review**PROFESSIONAL EXPERIENCE**

Hugo has 40 years of experience providing geotechnical engineering, construction materials testing, inspection and consulting services. Geotechnical services include geotechnical design, analyses and recommendations related to the design and construction of foundations as well as geotechnical exploration programs. He is well versed in performing analysis and evaluation of field and laboratory data, in-situ soil testing, in-place permeability testing and geophysical explorations. Hugo's extensive experience includes: evaluating bearing capacity and settlement for different types of shallow and deep foundation systems; analysis/evaluation of retaining walls, sheet piling systems, slope stability analysis of conventional and reinforced embankments, evaluation of drilled shafts, auger cast piles and driven piles; evaluation, design, and implementation of subsurface improvement programs (i.e. application of dynamic compaction, preloading, compaction grouting, and vibro-compaction techniques); and conducting studies including monitoring vibrations of structures during construction.

PROJECT EXPERIENCE**Tri-Rail Parking Garage, Fort Lauderdale-Hollywood International Airport (FLL) Tri-Rail Station - Dania Beach, FL**

Principal/APR/Quality Review. Responsible for the engineering services provided for the design/build (D/B) project consisting of a 179,476-square foot (SF) parking garage located at the FLL Tri-Rail Station in Dania Beach. This garage serves passengers for the Tri-Rail high-speed rail line that serves Broward, Miami-Dade, and Palm Beach Counties. The facility has a capacity of 402 stalls and two elevated levels. The project also consists of at-grade parking/driveways and landscaping areas. Field exploration and geotechnical engineering foundation evaluation services included Standard Penetration Test (SPT) borings, exfiltration test, pavement coring, and laboratory testing. The firm previously conducted a preliminary subsurface exploration and preliminary geotechnical recommendations to the owner, South Florida Regional Transportation Authority (SFRTA), in preparation for the D/B solicitation package. Construction materials testing services were also provided for the project.

ATC Transmitter and Receiver Buildings, Naval Air Station (NAS) Key West – Boca Chica Key, FL

Principal/APR/Quality Review. The proposed project consisted of the construction of two one-story buildings, parking and drainage within the controlled perimeter of the existing naval air station. Terracon's geotechnical exploration included drilling of test borings. Information and geotechnical engineering recommendations were provided in relation to subsurface soil conditions, earthwork, groundwater conditions, foundation design and construction, and floor slab design and construction.

**EDUCATION**

Master of Science in Geotechnical Engineering, Utah State University, 1980

Bachelor of Science in Civil Engineering, Utah State University, 1979

REGISTRATIONS

Professional Engineer, #56108, Texas, 1994

Professional Engineer, #36440, Florida, 1985

AFFILIATIONS

American Society of Civil Engineers

Cuban Society of Engineers

YEARS OF EXPERIENCE: 40

YEARS AT FIRM: 13



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Hugo E. Soto, P.E. (continued)

RCAG (Remote Communication - Air/Ground) Site, Florida Keys International Airport – Marathon, FL

Principal/Authorized Project Reviewer (APR)/Quality Review. Terracon conducted subsurface exploration and geotechnical engineering services for the proposed building on raised concrete platform, above ground storage tanks (ASTs) and two towers to be located at the airport. The scope of work included the advancement of test borings, a double ring infiltrometer test, and an in-situ electrical resistivity survey. Terracon furnished information and geotechnical recommendations concerning earthwork and the design and construction of foundations for the proposed structures (i.e. subsurface soil (and rock) conditions, groundwater conditions, site preparation and earthwork, foundation design and construction, floor slab design and construction, and pavement design and construction).

North Terminal Development (NTD), Miami International Airport (MIA) - Miami-Dade County, FL

Principal/Project Manager/Quality Review. The \$2.9 billion NTD Program consisted of expanding and renovating concourses A, B, C, D and E at MIA into a state-of-the-art, 1.3-mile long linear terminal. The majority of Terracon's involvement was on Concourses B, C, and D working directly for the NTD Team. Terracon provided construction materials testing services for the NTD Program consisting of the expansion and renovation of concourses at the terminal - Concourses B, C, and D. Our scope of work included quality assurance materials testing (QAMT), destructive testing/non-destructive testing (NDT), petrographic analysis on concrete cores, failure analysis, root cause analysis, special inspections (i.e. pull testing, welding, structural steel, fire proofing, elevator testing, etc.). Sampling and testing that was conducted included, but was not limited to, asphalt concrete, concrete, soil, aggregate, metallurgical test/examinations, radiographic inspection testing, ultrasonic inspection, and magnetic particle testing. Hugo managed the project and provided oversight and quality review of the work Terracon's team members provided.

Central Base Apron Modification, MIA - Miami-Dade County, FL

Principal/APR/Quality Review. The project site is situated within the central base apron near the American Airlines hangar building, at the west end of MIA. The project involved the development of new pavements, installation of box culverts, gravity walls or grading, stormwater improvements, and lighting. Terracon provided subsurface exploration, and environmental and geotechnical engineering. Services included the advancement of SPT borings, dynamic cone penetration (DCP) field testing, canal sediment probing and sampling, and environmental inspection and collection of soil samples. The purpose of these services was to provide information and geotechnical engineering recommendations relative to subsurface soil and rock conditions, groundwater conditions, site preparation and earthwork, soil resistivity/corrosivity, foundation design and construction, soil parameters, later earth pressures, and DCP field test data.

Marine Corps Special Operations Command (MARSOC) – Fleming Key F3, F4 and F5, Fleming Key Naval Air Station (NAS) - Key West, FL

Principal/APR/Quality Review. Geotechnical exploration was performed by Terracon to evaluate subsurface conditions for proposed improvements at the Naval Air Station between Buildings F3, F4 and F5. Terracon's geotechnical scope of work included the advancement of SPT borings. The purpose of the study was to provide geotechnical information and geotechnical engineering recommendations relative to subsurface soil/rock conditions, groundwater conditions, pavement recommendations, and foundation recommendations for a retaining wall.



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**1. Ability of Professional Personnel
Resumes****Liana Lantigua Cuni, E.I.
Senior Staff Engineer****PROFESSIONAL EXPERIENCE**

Liana Lantigua Cuni is a senior staff engineer in Terracon's Fort Lauderdale's office. She specializes in the practice of construction materials testing and in geotechnical engineering including soil mechanics, foundation engineering design, and pavement design. Liana has experience in transportation, structural, geo-environmental, and traffic engineering. She supports project managers in the preparation of proposals for threshold and materials testing services, coordination of field inspectors, communication with clients and contractors, review field reports and preparation of daily reports. Additionally, Liana performs quality assurance (QA) review on transportation projects throughout the area.

Liana has performed subsurface studies throughout the west coast of Florida for the construction of various structures including buildings (single-story to mid-rise), bridges, roadways, and commercial developments. She has also been involved in construction materials testing and earthwork observation activities on various Florida Department of Transportation (FDOT) and Miami-Dade Expressway Authority (MDX) projects

PROJECT EXPERIENCE**Southwest Airlines Terminal 1 (T1) Modernization Fort Lauderdale-Hollywood International Airport (FLL) - Broward County, FL**

Senior Staff Engineer. Terracon provided quality control (QC) materials testing and inspection services for the various elements for modernization of FLL's T1. Our scope of work included boring layout and elevations, concrete testing and observation, earthwork testing and observation, laboratory testing, steel observation and testing, foundation observations, asphalt testing and observations. The program included T1 modernization and five new gate concourse with a Federal Inspection Service facility (Concourse A). The project includes modifying buildings, security checkpoints, restrooms, hold-rooms, concession layout, design, way-finding, passenger loading bridges, and potential taxiway between new and existing concourses.

Golden Glades Multimodal Facility (GGMF) - Miami Dade, FL

Senior Staff Engineer and Assistant Project Manager. Construction of multimillion multimodal facility including parking garage, transit hubs, pedestrian bridge, and roadway improvements.

FTE Pompano Beach Service Plaza – Pompano Beach, FL

Senior Staff Engineer. The project consisted of the construction of new facilities at the plaza, with a new convenience store and a 40,000-square foot (SF) restaurant facilities. Terracon provided miscellaneous verification testing services.

**EDUCATION**

Master of Science, Civil Engineering, University of Michigan, 2016

Bachelor's Degree, Civil Engineering, Florida International University, 2015

CERTIFICATIONS

State of Florida Engineering Intern, No. 1100019511

AFFILIATIONS

Cuban American Association of Civil Engineers, Student Chapter, Secretary, 2014-2015

American Society of Civil Engineers, Member 2013

Tau Beta Pi, Engineering Honors Society, Member, 2013

Engineers Without Borders, Member, 2013

Phi Theta Kappa, Beta Kappa Iota Chapter, Vice-President of Service and Fellowship, 2012

YEARS OF EXPERIENCE: 4.5

YEARS AT FIRM: 4.5



FDOT District 4 - Contract No. 21424 | D/W Materials Lab Material Testing & Construction Support

Liana Lantigua Cuni, E.I. (continued)

Dolphin Station Park and Ride Transit Facility – Miami-Dade County, FL

Senior Staff Engineer. MDX was designing and building the Dolphin Station Park and Ride Transit Terminal Facility in partnership with Miami-Dade County Department of Transportation and Public Works (DTPW) and FDOT, District 6. The project site is located on approximately 15 acres of publicly owned land north of NW 12th Street, just west of the Florida's Turnpike (HEFT) in Miami-Dade County. The transit facility supports the County's State Road (SR) 836/Dolphin Expressway Express Bus Service and provides a terminus or stop for several local bus routes serving the Dolphin Mall and the Cities of Doral and Sweetwater. It also serves a potential future east-west commuter rail service on the CSX line. The project is comprised of 12 bus bays, 10 bus layover bays, parking spaces (849 long-term and 20 short-term), a transit hub with passenger waiting areas and space for retail, "Kiss-and-Ride" drop off areas, as well as landscaping, signage, fencing, and lighting. Miami-Dade County asked MDX to fast track the planning, design and construction of the Dolphin Station. Terracon provided QA and oversight services for all projects included in the General Engineering Services (GEC) continuing services contract EAC Consulting, Inc. and its team holds with MDX.

Coral Springs Westside Maintenance Facility – Coral Springs, FL

Senior Staff Engineer. The project consists of the building renovation/addition, construction of a pre-fabricated restroom building and pre-fabricated pavilion, and construction of a one-story addition of approximately 3000 SF to an existing structure. The new construction will be supported on shallow foundations and slab on grade. Terracon is currently providing construction materials engineering and testing and special inspection services. As requested, qualified technicians sample soil materials from the site, take earthwork density readings and record those findings on daily reports. Laboratory testing is performed when required. Terracon provides an inspector as requested to monitor and report on installation of helical piles (31 helical piles to be installed according to client). Our Project Manager/Project Engineer is the primary contact for issues, if any, related to the project, prepares and submits invoices according to established deadlines, communicates frequently with our client, the general contractor (GC), to make services are being provided in a satisfactory manner, ensures availability of technical personnel to cover each upcoming assignment, and guarantees that signed and sealed deliverables are being provided to the GC by established closing dates.

Nova Southeastern University (NSU) Mako Hall - Davie, FL

Senior Staff Engineer and Assistant Project Manager. Mako Hall is a new 7-story, inverted "C" shaped residence hall building with a 2-story amenity building, outdoor courtyard amenity space, and a parking lot located on the NSU campus located at the NW corner of Nova Road (Perimeter Road) and College Avenue. Terracon furnished verification for compliance with contract documents of the items incorporated into the project limited to operations related to concrete, grout, earthwork, and steel operations; observed and reported earthwork-related work while checking for conformance to the plans and specifications as requested; sampled soil materials from the site, conducted earthwork density readings and recorded those findings on daily reports when applicable, observed and reported concrete/grout-related work being while checking for conformance to plans and specifications, and performed plastic property testing for acceptance of concrete materials. Laboratory tests were provided when required. Terracon also performed special inspections for: foundations and soil preparation; concrete; precast; masonry; steel; and asphalt paving.



1. Ability of Professional Personnel
Resumes**Rutugandha "Rutu" H. Nulkar, P.E.**
Senior Engineer**PROFESSIONAL EXPERIENCE**

Rutu has been practicing geotechnical engineering in South Florida for more than 16 years. A State of Florida registered professional engineer, she has managed several public and private sector contracts during her career. Her geotechnical consulting capabilities include providing services for various types of projects including buildings, roadways, bridges, and drilled shaft inspections. Rutu has performed geotechnical analysis and provided recommendations for design of shallow and deep foundation systems for bridges and buildings, and slope stability analyses for levees and canals. She also has over 16 years of construction materials testing and verification experience working on numerous Florida Department of Transportation (FDOT) projects and districtwide materials contracts. She has worked as an in-house geotechnical consultant with the District Materials Research Office (DMRO). Additionally, Rutu has led several geotechnical and materials testing contracts for the City of Fort Lauderdale, Palm Beach County, Broward County, and various School Districts located in South Florida.

PROJECT EXPERIENCE**Tri-Rail Parking Garage, Fort Lauderdale-Hollywood International Airport (FLL) Tri-Rail Station - Dania Beach, FL**

Project Manager/Engineer. Responsible for the engineering services provided for the design/build (D/B) project consisting of a 179,476-square foot (SF) parking garage located at the FLL Tri-Rail Station in Dania Beach. This garage serves passengers for the Tri-Rail high-speed rail line that serves Broward, Miami-Dade, and Palm Beach Counties. The facility has a capacity of 402 stalls and two elevated levels. The project also consists of at-grade parking/driveways and landscaping areas. Field exploration and geotechnical engineering foundation evaluation services included Standard Penetration Test (SPT) borings, exfiltration test, pavement coring, and laboratory testing. The firm previously conducted a preliminary subsurface exploration and preliminary geotechnical recommendations to the owner, South Florida Regional Transportation Authority (SFRTA), in preparation for the D/B solicitation package. Construction materials testing services were also provided for the project.

U.S. Customs Facility, Fort Lauderdale Executive (FXE) Airport - Fort Lauderdale, FL

Project Manager/Engineer. The project entailed the design of a single-story 7,000 SF U.S. Customs Facility Building located at FXE. The project included associated parking, landscaping, airfield apron and exfiltration trenches. Terracon provided geotechnical engineering services. The scope of work included subsurface exploration and geotechnical engineering recommendations furnished to assist in the design of the facility.

**EDUCATION**

M.S., Civil Engineering,
University of Florida, 2004

B.S., Civil Engineering, V.J.T.I.
Matunga, Mumbai, India, 2001

REGISTRATIONS

Registered Professional Engineer,
Florida #70625

AFFILIATIONS

American Society of Civil
Engineers (ASCE)

Florida Engineering Society (FES)

Florida Engineering
Society/Florida Institute of
Consulting Engineers Leadership
Institute

YEARS OF EXPERIENCE: 16

YEARS AT FIRM: 16



Broward County – Solic. PNC2120437P1 | Professional Consultant Services for FLL & HWO Airports, Building Projects

Rutugandha “Rutu” H. Nulkar, P.E. (continued)

Southwest Airlines Terminal 1 (T1) Modernization Fort Lauderdale-Hollywood International Airport (FLL) - Broward County, FL

Project Manager/Engineer. Terracon provided quality control (QC) materials testing and inspection services for the various elements for modernization of FLL's T1. Our scope of work included boring layout and elevations, concrete testing and observation, earthwork testing and observation, laboratory testing, steel observation and testing, foundation observations, asphalt testing and observations. The program included T1 modernization and five new gate concourse with a Federal Inspection Service facility (Concourse A). The project includes modifying buildings, security checkpoints, restrooms, hold-rooms, concession layout, design, way-finding, passenger loading bridges, and potential taxiway between new and existing concourses.

RCAG (Remote Communication - Air/Ground) Site, Florida Keys International Airport – Marathon, FL

Project Manager/Engineer. Terracon conducted subsurface exploration and geotechnical engineering services for the proposed building on raised concrete platform, above ground storage tanks (ASTs) and two towers to be located at the airport. The scope of work included the advancement of test borings, a double ring infiltrometer test, and an in-situ electrical resistivity survey. Terracon furnished information and geotechnical recommendations concerning earthwork and the design and construction of foundations for the proposed structures (i.e. subsurface soil (and rock) conditions, groundwater conditions, site preparation and earthwork, foundation design and construction, floor slab design and construction, and pavement design and construction).

Marine Corps Special Operations Command (MARSOC) – Fleming Key F3, F4 and F5, Fleming Key Naval Air Station (NAS) - Key West, FL, FL

Senior Engineer. Geotechnical exploration was performed by Terracon to evaluate subsurface conditions for proposed improvements at the Naval Air Station between Buildings F3, F4 and F5. Terracon's geotechnical scope of work included the advancement of Standard Penetration Test (SPT) borings. The purpose of the study was to provide geotechnical information and geotechnical engineering recommendations relative to subsurface soil/rock conditions, groundwater conditions, pavement recommendations, and foundation recommendations for a retaining wall.

Palm Beach International (PBI) and 3 General Aviation Airports, Continuing Contract - West Palm Beach, Palm Beach Gardens, Lantana, and Pahokee, FL

Contract/Project Manager. Terracon was awarded a 3-year contract to provide geotechnical engineering, construction material testing and special inspections for the capital improvement program for PBI along with the 3 general aviation airports that are operated by PBI: North Palm Beach County General Aviation (F45) in Palm Beach Gardens; Palm Beach County Park Airport (LNA) in Lantana; and Palm Beach County Glades (PHK) in Pahokee. This contract entailed working on multiple task orders concurrently and included quality assurance (QA) testing for several projects. Certified field personnel performed concrete tests, technicians performed density testing with nuclear gauges on soils, and asphalt field and plant technicians monitored asphalt placement, and our certified laboratory performed limerock bearing ratio (LBR), proctor and gradation tests. Engineering support was provided as necessary to coordinate testing activities, construction meetings were attended, and signed and sealed reports were prepared. In addition, Terracon performed geotechnical engineering services on several projects under this contract. This work included night and weekend hours by Terracon technicians and managers.



Broward County – Solic. PNC2120437P1 | Professional Consultant Services for FLL & HWO Airports, Building Projects

**1. Ability of Professional Personnel
Resumes**

Tom C. Holley, CHMM, CIH, CSP, FLAC, MRSA
**Certified Industrial Hygienist/Florida-licensed Asbestos Consultant
(FLAC)/Quality Reviewer**

PROFESSIONAL EXPERIENCE

Tom has 30 years of facilities and environmental, health and safety, and OSHA compliance consulting experience. Current responsibilities include support of client facilities and industrial hygiene consulting needs. He previously served as a Principal Industrial Hygienist, Project Manager and Facilities Business Unit Leader in support of a large government contract. He also worked as an analytical chemist, supervisor, and project manager in a large environmental laboratory for approximately 10 years. Tom has Health and Safety (H&S) compliance procedure and program development experience including United States Army Corps of Engineers (USACE) Health and Safety Plan (HASP) (EM-385) implementation.

Tom has experience in industrial hygiene consulting and project management, including performance of site assessments, remediation design, and ambient air sampling for various chemical constituents. He has experience in industrial hygiene exposure assessments, providing on-site training for peers and clients, has served as site project safety representative for several projects, and has performed exposure assessments for environmental remediation, demolition, and other project activities for private industry. Tom maintains various certifications for asbestos and has experience in indoor air quality (IAQ) evaluations for commercial and industrial clients. His project experience with these services includes other professional services firms, manufacturing facilities, K-12 and higher education facilities, community organizations, municipal government agencies, and health care facilities.

PROJECT EXPERIENCE**Tampa International Airport Main Terminal Curbside Expansion – Tampa, FL**

Senior Industrial Hygienist for an asbestos and lead-based paint (LBP) survey in support of the Main Terminal Curbside expansion. The project included work in the following areas of the airport: Red Side, Blue Side, Federal Aviation Airport (FAA) Lot, Central Energy Plant, Loading Dock and Administration Building.

St. Pete-Clearwater International Airport (PIE) Localizer Shelter Replacement – Clearwater, FL

Florida-licensed Asbestos Consultant (FLAC) for a limited asbestos pre-demolition survey and lead containing paint survey for the 10' x 16' shelter

**EDUCATION**

B.S. Biology / Minor Chemistry –
Georgia State University, 1990

REGISTRATIONS

Certified Hazardous Materials
Manager- Master Certified Industrial
Hygienist- 9275CP

Certified Safety Professional- 22954

Licensed Asbestos Consultant,
FL No. AX75

Licensed Mold Assessor, FL No.
2749

CERTIFICATIONS

EPA/AHERA Asbestos Inspector,

Management Planner, Designer,
Supervisor

NIOSH 582 Sampling & Analysis of
Airborne Dusts

OSHA 40-Hour HazWoper

OSHA 30-Hour Construction Safety
and Health

OSHA 10-hour Construction Safety
and Health

eRAILSAFE Contractor

AFFILIATIONS

American Board of Industrial Hygiene
Board of Certified Safety
Professionals

Institute of Hazardous Materials
Managers

YEARS OF EXPERIENCE: 30

YEARS AT FIRM: 6



Broward County – Solic. PNC2120437P1 | Professional Consultant Services for FLL & HWO Airports, Building Projects

Tom C. Holley, CHMM, CIH, CSP, FLAC, MRSA (continued)

within FAA boundaries.

PIE Electrical Vault – Clearwater, FL

FLAC for a pre-demolition asbestos and LBP survey for the electrical vault. The approximately 760-square foot (SF), single-story structure consisted of a concrete slab on grade with concrete block interior and exterior walls, with a built-up roof on a concrete roof deck.

Two Locations at PIE – Clearwater, FL

FLAC. Terracon's scope of services included performance of pre-demolition asbestos surveys at PIE buildings located at 14402 Airport Parkway and 14695 Airport Parkway. The purpose of the survey was to accommodate the planned demolition of the structures. Terracon's accredited building inspectors conducted asbestos sampling and coordination of analysis of suspect interior, exterior and roofing building materials likely to be disturbed during demolition activities. Samples were submitted under secure chain of custody protocols to an accredited laboratory for analysis by polarized light microscopy (PLM). The asbestos activities were performed under the direction of a FLAC (Tom). Lab data was presented in a final report.

American Airlines Offices at Concourse B in Charlotte Douglas International Airport (CLT) – Charlotte, NC

Authorized Project Reviewer (APR)/Quality Reviewer. Terracon conducted limited mold assessments of the American Airlines Offices at Concourse B following a water intrusion event. The firm performed visual observations, collected measurements of temperature and relative humidity, collected measurements of surface moisture content, and collected mold air samples. The following week Terracon collected mold air samples during the site visit. Three samples from non-impacted areas were also included in the sampling. Following completion of the renovations, the firm collected measurements of temperature and relative humidity and collected mold air samples during the site visit. Three samples from non-impacted areas were also included in the sampling. Samples were sent to an accredited laboratory for analysis. Terracon provided the client with a written report describing the methods, evaluation criteria, findings, conclusions, and recommendations.

MacDill Air Force Base Hangar No. 4 Hangar Flooring - Tampa, FL

Senior Industrial Hygienist/Project Manager. Terracon provided a limited asbestos renovation paint survey. The scope of work included limited asbestos, metals, and concrete petrography sampling and coordination of analysis in Hangar 4.

Air Force Center for Engineering and the Environment (AFCEE)/Defense Logistics Agency (DLA) Facilities Consulting - Various Locations Nationwide

Senior Industrial Hygienist/Project Manager. Tom supported the South region, while with another firm, by performing asbestos inspections at various military installations across the US.

Naval Air Station Soil Remediation Project - Pensacola, FL



City of Doral RFQ No. 2020-22 | Professional General Engineering and Architectural Services

Tom C. Holley, CHMM, CIH, CSP, FLAC, MRSA (continued)

Health and Safety Representative. Prepared a site-specific HASP in accordance with USACE EM-385-1-1 and applicable Occupational Safety and Health Administration (OSHA) regulations regarding excavation and disposal of asbestos-contaminated soils to include area and personal air monitoring, personal protective equipment (PPE), and dust control activities at the sites.

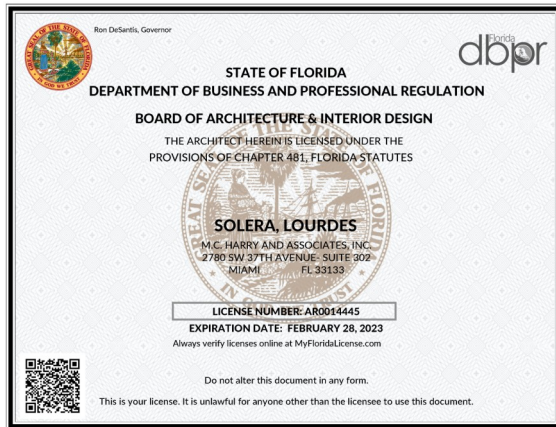
City of Fort Lauderdale Continuing Services Contract – Fort Lauderdale, FL

APR/Quality Reviewer. Terracon provides general environmental engineering consulting services, to the City on an as-need basis, including but not limited to asbestos, LBP and radon site testing, assessment and remediation plans. Tom has provided quality review for projects such as various floors at City Hall (limited IAQ assessment, asbestos air sampling, limited asbestos survey), a suite of a two-story office structure (IAQ/mold assessment), Public Works Administration Building (air quality mold and post remediation assessments), and Fire Station 54 (limited IAQ assessment).



1. Ability of Professional Personnel Licenses

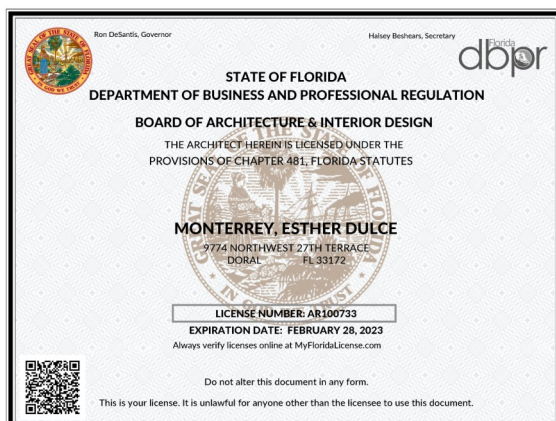
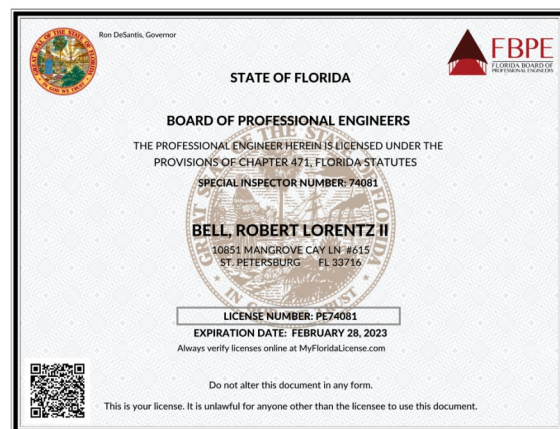
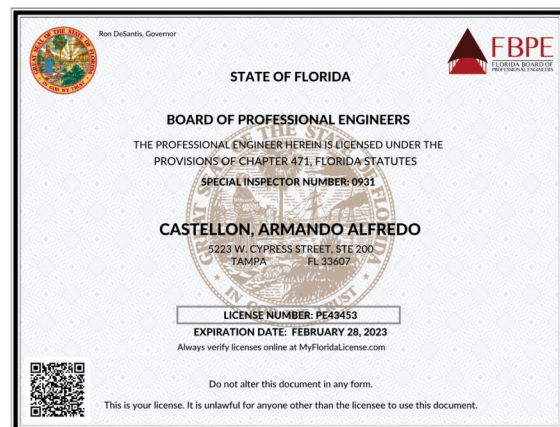
M.C. Harry & Associates



Licensee Details

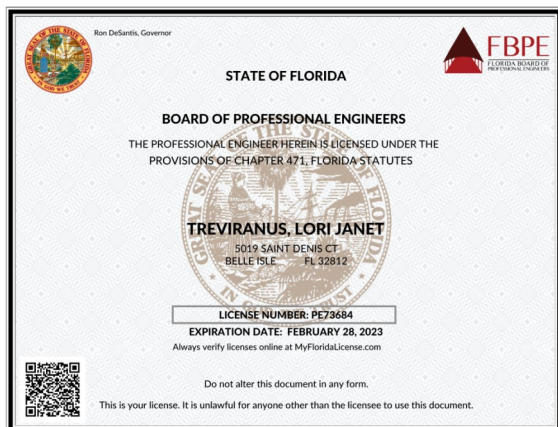
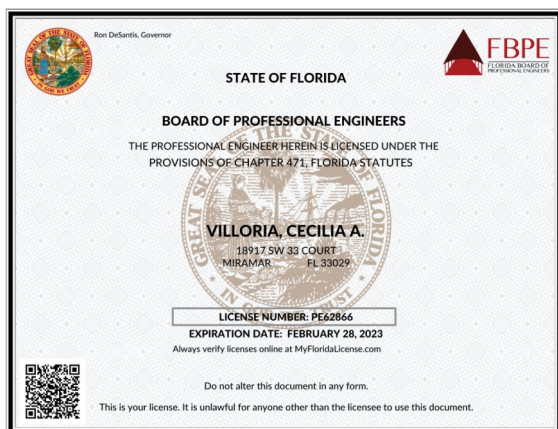
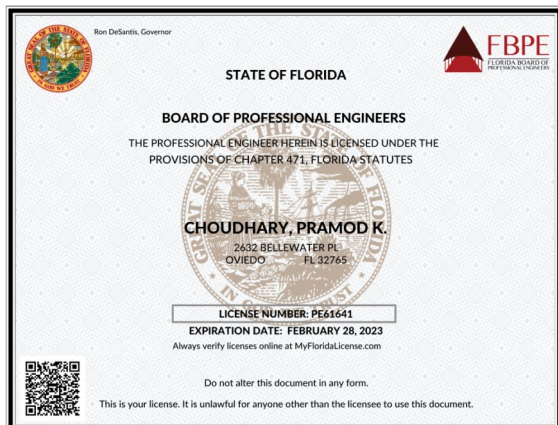
Licensee Information	
Name:	AQUART, CRAIG (Primary Name)
Main Address:	2780 SW DOUGLAS RD SUITE 302 MIAMI Florida 33133
County:	DADE
License Mailing:	
License Location:	
License Information	
License Type:	Architect
Rank:	Architect
License Number:	AR96477
Status:	Current, Active
Licensure Date:	01/22/2013
Expires:	02/28/2023
Special Qualifications	
	Qualification Effective

Masters Consulting Engineers (MCE)

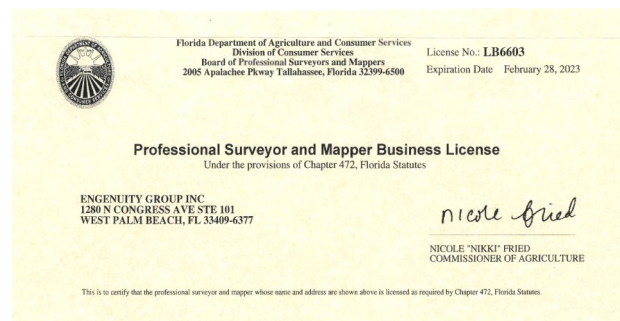
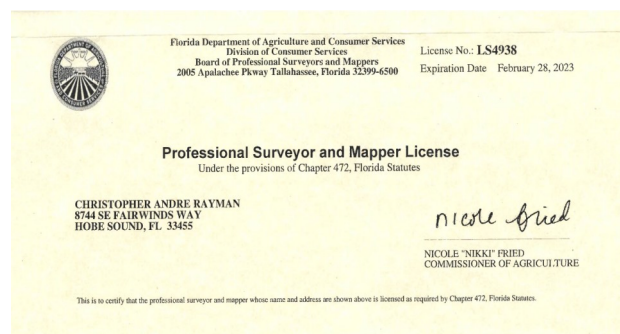
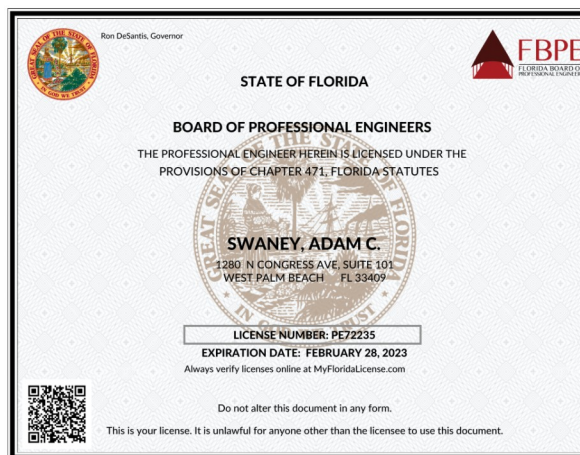


1. Ability of Professional Personnel Licenses

Keith



Engenuity Group



1. Ability of Professional Personnel
Licenses

Engenuity Group



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6667**
Expiration Date February 28, 2023

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

JENNIFER C MALIN
1280 N CONGRESS AVE STE 101
WEST PALM BEACH, FL 33409

Nicole Fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Licensee Details

Licensee Information

Name: **ENGENUITY GROUP, INC. (Primary Name)**
Main Address: **1280 NORTH CONGRESS AVENUE
SUITE 101
WEST PALM BEACH Florida 33409**
County: **PALM BEACH**
License Mailing:
LicenseLocation:

License Information

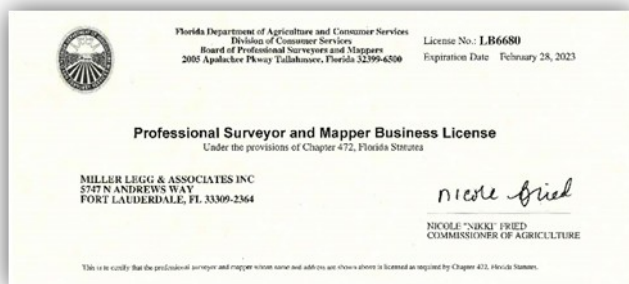
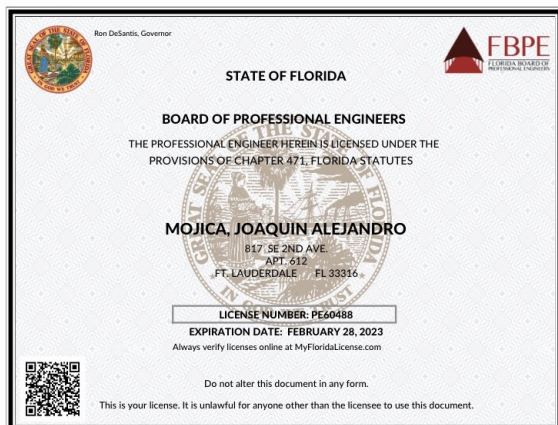
License Type: **Registry**
Rank: **Registry**
License Number: **7095**
Status: **Current**
Licensure Date: **02/21/1995**
Expires:

Special Qualifications **Qualification Effective**

Alternate Names

1. Ability of Professional Personnel Licenses

Miller Legg



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Parkway Tallahassee, Florida 32399-6500

License No.: LB6680

Expiration Date: February 28, 2023

Professional Surveyor and Mapper License

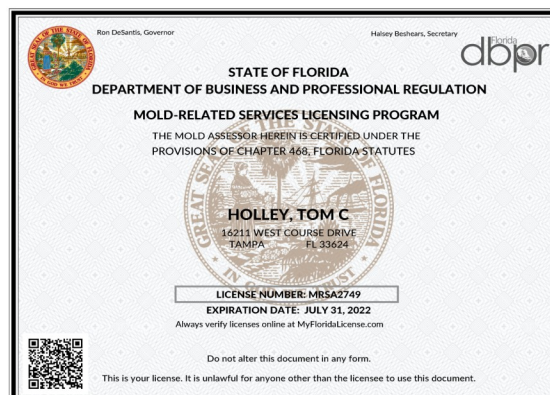
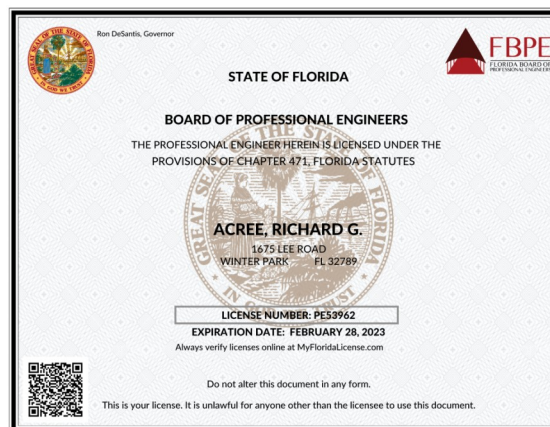
Under the provisions of Chapter 472, Florida Statutes

MARTIN P ROSSI
922 N 16TH AVE
HOLLYWOOD, FL 33020-3735

nicole fried
NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

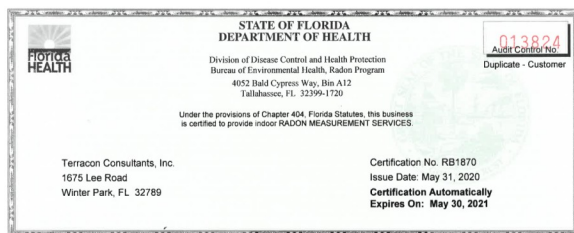
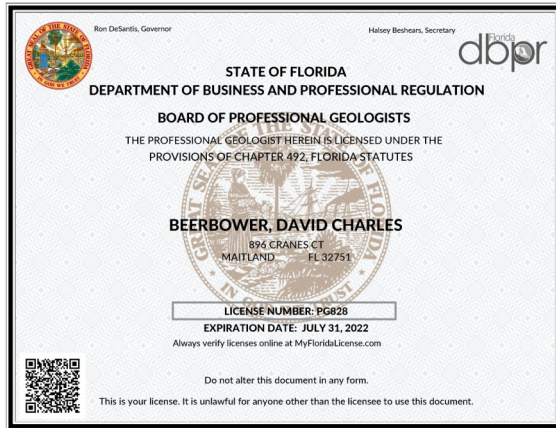
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Terracon

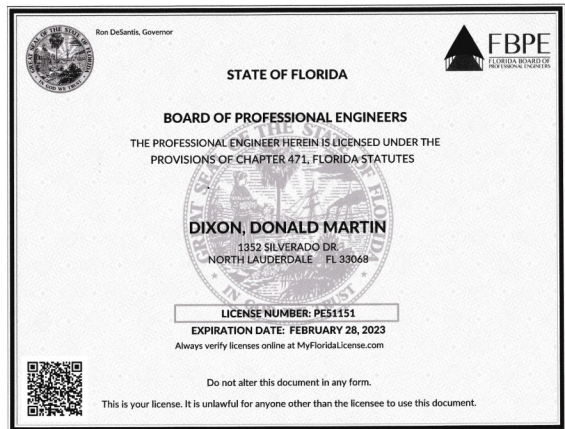
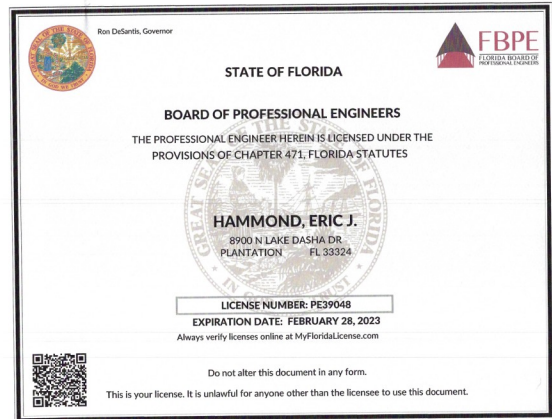


1. Ability of Professional Personnel Licenses

Terracon



Hammond & Associates



Stephen Farquharson

HAS ACHIEVED THE DESIGNATION OF
LEED® ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE
REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY
AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.

Stephen Farquharson
Signature

July 25, 2020
Date Issued

Richard H. Hines
Signature



Printed on 100% Recycled Paper / 100% post consumer waste with vegetable based ink.



1. ABILITY OF PROFESSIONAL PERSONNEL

C. Project Manager Qualifications





Lawrence Arrington, AIA, RID, CSI, NCARB, LEED AP BD+C
Sr. Project Manager

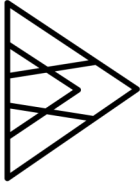
Mr. Arrington has over four decades of experience as a licensed architect, including 36 years with MCHarry. Since 1982, he has managed numerous aviation facility projects from planning through construction. He has also served as former President of the Construction Specifications Institute Miami Chapter, and as a member of the Greater Miami Chamber of Commerce Aviation Committee. His areas of special expertise include the following:



- Project Management: Project management and design discipline coordination, including overall project direction, development and implementation of work plans and budgets, presentations to Owner, etc.
- Facility Planning and Design: Planning and design of complex facility expansion programs, including development of design alternatives, project phasing and code compliance programs, budgets and schedules, striving for excellence in contemporary, creative and cost effective solutions to building design.
- Specifications: Construction contract coordination and specifications development, to ensure accurate and complete presentation of project scope and contract requirements for construction, proper references to applicable standards and regulatory requirements, efficient and appropriate testing criteria during construction, development of bidding requirements consistent with Owner's expressed needs, and cost effectiveness of general conditions during construction.
- Quality Control: Contract document review and quality control, to ensure constructability, compliance with applicable code requirements, Owner and office directed design standards / guidelines, and cost effectiveness of proposed design and construction solutions.
- Scheduling: Putting it all together and making it work - delay review and analysis, resource loading analysis, schedule development, scope and schedule integration, and scheduling specifications tailored to meet Owner's intent.
- Construction Scheduling: Many years of professional experience, knowledge of the tools used in scheduling, and in-depth review of the documents and interviews with the contracting parties ensure that the established activity durations and relationships accurately reflect anticipated work efforts, and that the overall plan for construction is efficient and cost effective.
- Project Management Scheduling: To ensure timely completion, complex projects require more than construction schedules. The entire project management process, including professional staff and cash flow management, must be considered in cost loaded, critical path schedules for project performance.
- Constructability & Bidability Reviews: Constructability and bidability analysis are performed from the construction standpoint, not the design standpoint. These reviews provide a "fresh set of eyes" to evaluate the front-end boilerplate design specifications, drawings, construction schedule, and other contract conditions. From this standpoint, the project documents are analyzed to: 1) seek overlooked problems that can increase cost; and 2) assure coordination among documents, to ensure that a highly competitive bidding process will occur.
- Building Code Analysis: Building code analysis and compliance "logic" development.
- Accessibility Analysis: Accessibility review and development of compliance plans

1. Ability of Professional Personnel
Project Manager Qualifications

Mr. Arrington has established a proven track record in key responsibilities for a wide variety of project types, including facilities for airport landside, airside and terminal operations. A few examples of his many projects are as follows:



- Terminal Wide People Mover System, Miami International Airport: A multi-phased development of a new pedestrian circulation system linking all parts of the terminal to each other and to the parking garages, this project included elevated pedestrian bridges, vertical circulation cores, and over three miles of moving sidewalks.
- Ground Transportation Improvements Program, Miami International Airport: A multi-phased alterations and expansions program, designed to double the capacity of landside airport facilities, this project included alterations to existing parking garages, construction of new garages, a new centralized revenue control system, upper and lower vehicular drive expansions, etc.
- Concourse F Expansion Program, Miami International Airport: A multi-phased expansion and alterations program designed to increase capacity of this key 19-gate concourse, this program included new passenger circulation corridors and passenger seating lounges, sterile (international) facilities, airside operations area improvements, passenger loading bridges, code compliance improvements, and integration of several Art-in-Public-Places (public art) projects into the design of the facilities.
- Terminal and Control Tower, Owen-Roberts International Airport (Georgetown, Grand Cayman, BWI).
- 2005 Terminal Master Plan and Terminal Expansion, El Salvador International Airport: Demand/Capacity Analysis for existing 6-gate terminal building; conceptual design for and new landside terminal / 16-gate satellite terminal; and planning study for phased expansion of terminal facilities accommodating 23-gates.
- Ribeirao Preto Airport (Sao Paulo, Brazil): Planning study and conceptual design for expansion of existing airport; project elements included a new passenger terminal, a new cargo terminal, airport maintenance and support facilities and infrastructure, and multi-modal terminal facilities.
- North Terminal Development Federal Inspection Services Facilities, Miami International Airport: New facilities for TSA and related agencies, serving the new North Terminal, this project includes processing areas for international passengers, offices for airline, airport and agency staff, detention facilities, coordination with baggage handling and other conveyance systems, and related work.
- Concourse E to Concourse F Baggage Handling System Alterations, Miami International Airport: Alterations to existing baggage handling systems, associated with planned expansions at portions of the terminal building.
- Airport Rescue Fire Fighting Station, Ft Lauderdale / Hollywood International Airport: A new ARFF and Emergency Operations Center (EOC) complex, constructed in the middle of the airfield at FLL, this project included bays for 10 emergency vehicles, offices and dormitories for crew, facilities for a new EOC, and related support facilities.
- MIA E-Satellite APM Replacement, Miami International Airport: This Design-Build-Operate-Maintain (DBOM) project, including replacement of two 3-car trains incorporating an alternative technology (cable drive) and renovation of APM stations, was delivered in 3 years from beginning of design to substantial completion of construction, while maintaining at least one train in operation at all times during the construction.

Mr. Arrington is committed to and vested in the success of Broward County and will support Broward County Aviation Department with a commitment to service, high quality, technically accurate analyses, and a collaborative mindset.



2. PROJECT APPROACH



Our clients and projects are unique and are treated as such. MC Harry Associates treats each client as our most important client and give each project the individual attention it needs to successfully achieve its scope within budget on schedule. From Pre-contract to Close-out MC Harry pays special attention to all issues affecting the project including but not limited to the environmental, social, and economic issues that will affect the successful outcome of the project.

MC Harry Associates and our consultants are experienced with contracts involving multiple work authorizations under one umbrella agreement. These include Continuing Services Contracts, and Differed Maintenance Contracts with our municipal clients and federal agency clients for decades. Our Terminal Optimization Plan Contract with the Miami-Dade Aviation Department currently involves multiple service orders / work authorizations.

At the initiation of a project, we identify key personnel with the experience necessary to match the requirements of the project. To assist in proposal preparation, we visit the site with the client's representative to get a first-hand look at the scope requirements. Here we listen, ask questions, verify, and visually validate the scope. With this close-up understanding, we then employ our in-house project data-bank to generate a rough order of magnitude construction cost estimate based on similar projects done within the last 5 years. This proposal sets the project expectation which is vital the correct start of any project.

Directly after Work Authorization is issued, we meet with our subconsultants to plan the successful delivery of each project. This include structural, civil, traffic, landscaping, environmental, mechanical, electrical, plumbing, fire protection subconsultants. This involves discussing in detail the project's scope, schedule, and budget. We identify any issues that will require special attention and look for opportunities to add value to the project without increasing the project budget. We identify the critical path to achieve each task and establish schedule of deliverables for each subconsultants per phase. We discuss problems that may affect the projects and put in place safeguards in anticipation of such possibilities. Throughout the various phases of the project, we will constant communicate with all team members in order to complete the work within the established project schedule. We have long standing relationships with our subconsultants and we have a good understanding of our capabilities based on past experiences.

Our in-house quality control staff meetings keep track of each project. We discuss each project in detail, sharing the challenges and use the collective experience of the staff to brainstorm possible solutions based on lessons learned from other projects. The goal of this is to deliver the best project to our clients.

The Field Verification Phase familiarizes the team (subconsultants included) with the existing conditions of the site. We document, compare, and contrast information in the field to update the as-built drawings. Where required, our consultants perform high-definition laser 3D scans which allows for the digital recording of exposed, visible, and accessible physical features. These scans are performed to Level of Accuracy (LOA) 20 per the United States Institute of Building Documentation (ASIBD) specification. This LOA specification is sufficient to extract features from the scan to a Level of Development (LOD) 200. Individual take-offs and documentation are conducted using hand-held laser measuring devices, pdf notations, and digital photography.

The Scope Validation and Program Phase of the project will include our in-house interior design team who is adept at creating innovative space planning solutions. A level of program validation will be established prior to completion of site evaluation work. We dissect the program in order to take into account existing conditions, cost constraints, and time requirements.

All aspects of the project is examined and tested for their viability in the program. Equally important is a thorough understanding the jurisdictional authorities' requirements for the various portions of the project. The envisioned programmed spaces will be carefully analyzed and assessed according to the project's limitations and potentials.

At the Design Phase, data from Field Verification is imported into our 3D modeling software to recreate existing conditions in a simple editable 3D format. These tools allows us to stay nimble providing quick design ideas to be explored and communicated to the project team for decision making. Conceptual designs options are rendered for the client's review and approval.

Designing within our clients' established budget requirements is vital to the success of our projects. Keeping the design in check with the project budget while evaluating the various building systems is essential. This is measure is required of all of our subconsultants. Our typical design process includes cost estimation at each phase of the project to ensure that decisions with significant budgetary impact are made with adequate information at the appropriate time. We do not recommend the typical end-of-process cost control measure called "value engineering" since this process usually involves lengthy and expensive document revisions that are often not possible due to time constraints. By incorporating cost estimation into the design process, we expect to realize the best savings options to the project as a whole without sacrificing the final product that is frequently associated with end-of-process value engineering.

At the Construction Documentation phase, a BIM software is used to seamlessly imports the model to initiate the document process for construction. BIM is an essential part of our quality control procedures. Depending on the LOD agreed upon, the BIM model is used by all consultants for conflict resolution, cost analysis, and energy modeling. CADD is also utilized for certain projects. We develop technical specifications in-house including those defining construction phase sustainable design milestones using the latest online product sources developed in conjunction with the construction drawings to create a clear, concise, correct, and complete set of construction documents.

At the Permitting and Bidding Phases we will assist our client in reviewing the Constructor's proposal and in negotiations with the Constructor in an effort to establish an acceptable, fair and reasonable Price for the project. Our team's involvement with permitting authorities during the early design and technical phases of the work ensures that the design team is considering all permit requirements. Where beneficial, we will provide sets of contract documents at 50% and 75% in order to allow for the solicitation of preliminary cost estimates. This provides a second set of cost opinions and allows us to make modifications where necessary before 100% CDs are issued.

Our Construction Contract Administration Services begins with the pre-construction meeting with all project stakeholders. It continues with conducting OAC meetings, we participate in coordination meetings where required, review and respond to submittals, requests for information, change orders, contractor's requisitions for payment. We wrap up this phase of our services with the creation and monitoring of the punch list to identify deficient or incomplete items, and the administering the close-out process.

Virtual meetings are now common-place in the industry to plan, organize, and manage projects where possible. MC Harry staff is experienced and versatile with the use of Microsoft Teams, GoToMeeting, and Zoom Meeting platforms.

PROJECT APPROACH & METHODOLOGY

MANAGE THE PROCESS



Step 2: Design the building in accordance with the enhanced criteria, including wind speed and missile impact testing performance requirements.

Building structure and envelope can be designed in accordance with ICC 500-2014 test methods for impact and pressure testing, and missile impact speeds for testing of vertical and horizontal construction assemblies.

ICC 500-14 Chapter 8 – Test Methods for Impact and Pressure Testing – Outline

- Section 801: General
- Section 802: Terminology
- Section 803: Test Specimens
- Section 804: **Missile Impact Testing**
- Section 805: Pressure Testing
- Section 806: Pressure Testing Procedures

FEMA
Latest in ICC 500 and FEMA P-361 Requirements 59

Debris Impact Test Speeds for Tornado Safe Rooms

Design Wind Speed	Missile Speed and Shelter Impact Surface
130 mph	80 mph Vertical Surfaces 53 mph Horizontal Surfaces
160 mph	84 mph Vertical Surfaces 56 mph Horizontal Surfaces
200 mph	90 mph Vertical Surfaces 60 mph Horizontal Surfaces
250 mph	100 mph Vertical Surfaces 67 mph Horizontal Surfaces

210 MPH
90+ MPH

FEMA
Latest in ICC 500 and FEMA P-361 Requirements 60



3. PAST PERFORMANCE

A. Vendor Experience/References



KEY PERSONNEL RELEVANT PROJECT

Name of Key Personnel	Role in This Contract	Availability	Example of Projects Listed Below													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Craig Aquart, AIA, RID, CSI	Principle-In-Charge/Architect of Record	45%	X	X	X	X	X	X	X							X
Lourdes Solera, FAIA LEED AP	Principle-Project Architect	45%	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Larry Arrington, AIA, RID, LEED AP	Sr. Project Manager	65%	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Esther Monterrey, RA, AIA	Project Manager	50%	X	X	X		X	X								X
Ralph Gonzalez	Job Captain	50%	X	X	X	X	X	X	X		X	X	X	X	X	
Lisette Boosoboy, IIDA Assoc., LEED AP	Project Coordinator	40%	X								X					X
Midori Shim, NCIDQ, IIDA, LEED	Interior Designer	40%	X													

RELEVANT PROJECTS:

1. MIA Central Terminal Façade Improvements
2. MIA Concourse F Southside Expansion 2018
3. MIA Concourse E&F Consolidated Checkpoint
4. MIA Concourse E to F Bridge Connector
5. MIA Wayfinding Signage & Graphics
6. MIA Concourse H&J Consolidated Checkpoint
7. MIA Security Equipment System Integration
8. MIA Central Parking Revenue Collection Plaza
9. MIA North Terminal Federal Inspection Facility
10. MIA Concourse F International Arrivals Terminal
11. MIA Concourse F Ramp Level Improvements
12. MIA Concourse E Automated People Mover
13. MIA Foreverglades Artwork Installation
14. Key West City Hall

**MIA North Terminal Federal Inspection Facility****Key West City Hall**

MIA CENTRAL TERMINAL FAÇADE IMPROVEMENTS

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-
airport.com

Type of Project:

Terminal Façade
Modernization Scope
Definition

Project Location:

Miami International
Airport

Construction Budget:

\$15 million

Contract Timeline:

Initiated 2019
Completed 2021

Construction Delivery:

NA

Services Provided:

Prime Consultant
Full A/E Services

Key Team Members:

Atlas Safety & Security
Security Consultant

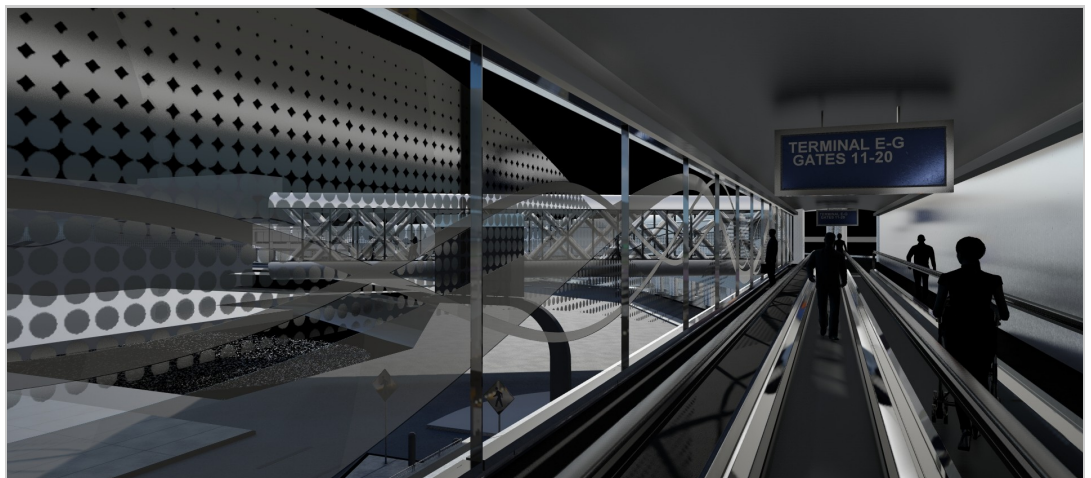
Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Esther Monterrey AIA
Lawrence Arrington AIA
Ralph Gonzalez



Miami International Airport (MIA) is the largest U.S. gateway for Latin America and the Caribbean and is one of the busiest international passenger and freight airports in the world. With the completion of the North and South Terminal expansion programs, the airport is now implementing a modernization program for their vintage Central Terminal.

MC Harry Associates has been contracted to head the architectural and engineering facilities design team to develop a new architectural expression for the primary entry point to the terminal and airport hotel. A companion project includes MC Harry's upper and lower vehicular drive crash mitigation analysis and concept designs which identify and resolve a variety of security threats to the terminal and the traveling public.



MIA CONCURSE F SOUTHSIDE EXPANSION 2018

Client:

Miami-Dade Aviation
Department in collaboration
with Ricondo Associates

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA

Aviation Planning
305 876-8080
jramos@miami-airport.com

Type of Project:

Expansion and Remodeling
Program Definition

Project Location:

Miami, Florida

Construction Budget:

\$30 million

Contract Timeline:

Initiated 2018
Completed 2020

Construction Delivery:

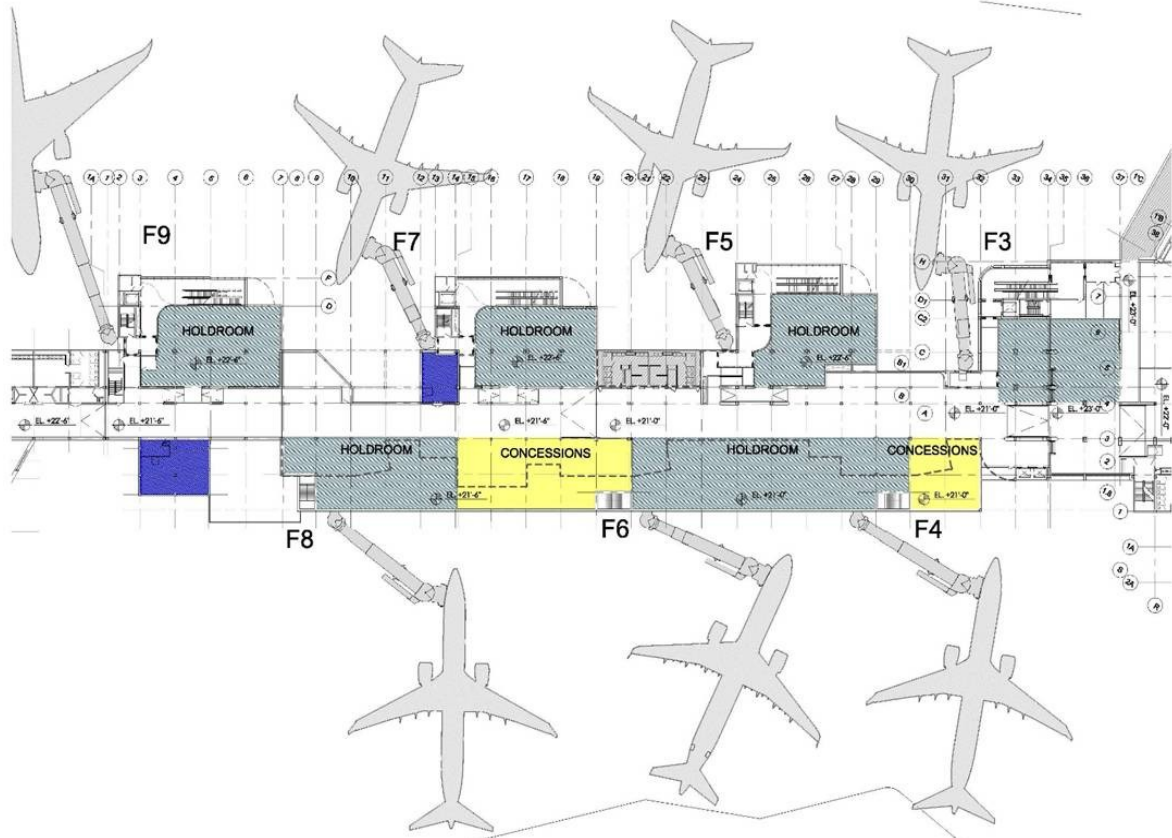
NA

Services Provided:

A/E Consultant

Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Lawrence Arrington AIA
Esther Monterrey AIA
Ralph Gonzalez



The modernization of Concourse F calls for the demolition of all existing construction south of gridline '3' (south wall of the public circulation corridor) and between gridline '7' and '33'; including the three southside gatehouses 4, 6 and 8; to be replaced with the new construction of a 40' wide by 500' long, two story, gatehouse structure providing 10,000sf of common use domestic service lounge environment and 5,600sf of new retail concessions space.

As part of the new southside gatehouse construction, ramp level equipment rooms serving concourse levels 2 and 3 will be reconstructed on the CCF third floor, eliminating vertical chases allowing for a more flexible second floor gatehouse design. The repurposed third floor will accommodate mechanical equipment rooms and ancillary office space, as well as egress circulation to new Emergency Exit Stairs located in the new southside gatehouse structure.

MCHARRYASSOCIATES

ARCHITECTURE . PLANNING . INTERIORS

BidSync

MIA CONCOURSE E and F CONSOLIDATED CHECKPOINT

Client:

Miami-Dade Aviation
Department in collaboration
with Ricondo Associates

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA

Aviation Planning
305 876-8080
jramos@miami-airport.com

Type of Project:

Expansion and Remodeling
Program Definition

Project Location:

Miami, Florida

Construction Budget:

\$28 million

Contract Timeline:

Initiated 2018
Completed 2020

Construction Delivery:

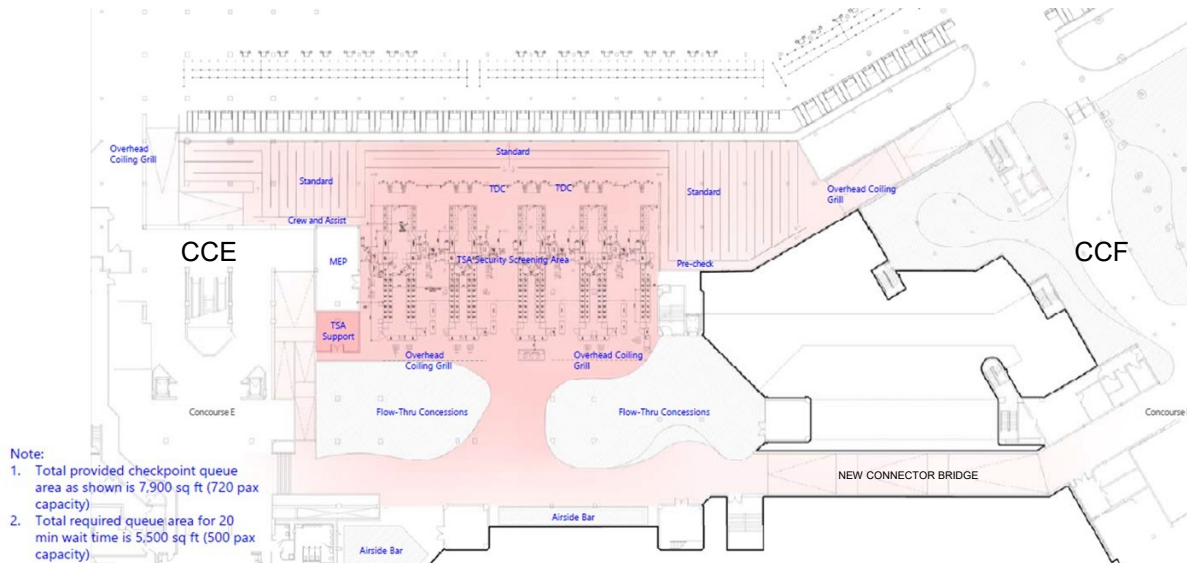
NA

Services Provided:

A/E Consultant

Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Lawrence Arrington AIA
Esther Monterrey AIA
Ralph Gonzalez



In order to remedy accessibility concerns and improve the security processing capability for both CCF and CCE, a consolidated 'central' security checkpoint, positioned between the two concourses and immediately behind the renovated terminal ticket counter area, has been made part of the CCF modernization design. The checkpoint floor is elevated 4.5' to match the adjacent CCE/FIS southside level 2 area which will be repurposed as retail concession leasehold space.

The proposed security equipment layout is comprised of 9 individual processing lanes, with an aggregate processing capability of approximately 1200 to 1300 passengers per hour. The inherent flexibility of a consolidate checkpoint concept offers a more efficient processing of passengers during peak hour activity for each concourse.

Passengers leaving the post security 'redress' area pass through the new retail concessions leasehold environment on their way to their respective gate on CCE, the CCE Satellite, or CCF. A new secure connector bridge will facilitate both a passenger movement from the concession environment to CCF; and a post security link between CCE and CCF.



MIA CONCOURSE E to F BRIDGE CONNECTOR

Client:

Miami-Dade Aviation
Department in
collaboration with
Ricondo Associates

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-
airport.com

Type of Project:

Post Security
Concourse Bridge
Connector Feasibility
Study

Project Location:

Miami International
Airport

Construction Budget:

\$5 million

Contract Timeline:

Initiated 2015
Completed 2016

Construction Delivery:

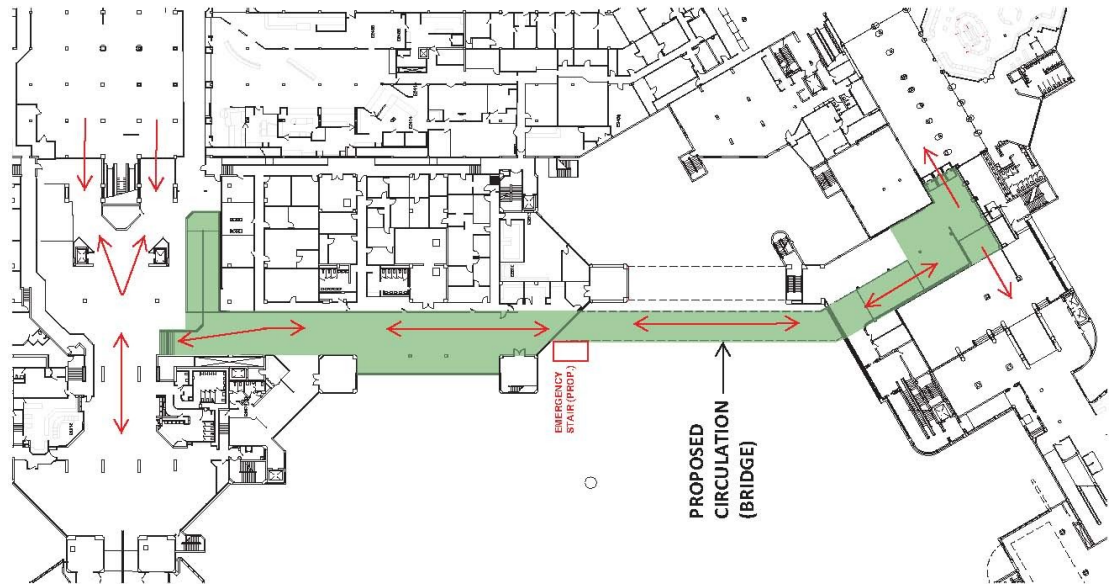
NA

Services Provided:

Architectural Consultant
A/E Services

Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Lawrence Arrington AIA
Ralph Gonzalez



The Miami-Dade Aviation Department has expressed the need to develop a Central Terminal second floor, post security, passenger circulation passageway linking Concourse E (CCE) and Concourse F (CCF). An initial analysis was conducted to determine the feasibility of multiple circulation routing options. The preferred configuration for the connector bridge will be accessed from an existing CCF Level 2 circulation corridor and ramp (elevation + 23') located immediately east of the northside Gate F3 departure lounge adjacent to gridline 37.

Likewise, the proposed bridge will be accessed from existing CCE through a new Level 2 circulation corridor paralleling existing corridor F2642 (elevation +26.5'), passing through the abandoned Club Lounge space E2667 et al. A floor elevation change of 4.5' from CCE Level 2 to this new corridor will be accomplished with a ramp. The bridge enclosure is approximately 154 feet long with a primary span of 110 feet. New columns and foundations must not encroach on the underground grease traps at the CCE end of the bridge. The bridge will slope approximately 1:40 to accommodate the 3.5' level change between CCF (El. + 23") and CCE (El. +26.5').



MIA CONCORSE H and J CONSOLIDATED CHECKPOINT

Client:

Miami-Dade Aviation
Department in collaboration
with Ricondo Associates

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA

Aviation Planning
305 876-8080
jramos@miami-airport.com

Type of Project:

Security Checkpoint
Expansion and Remodeling
Study

Project Location:

Miami International Airport

Construction Budget:

\$12 million

Contract Timeline:

Initiated 2018
Completed 2020

Construction Delivery:

NA

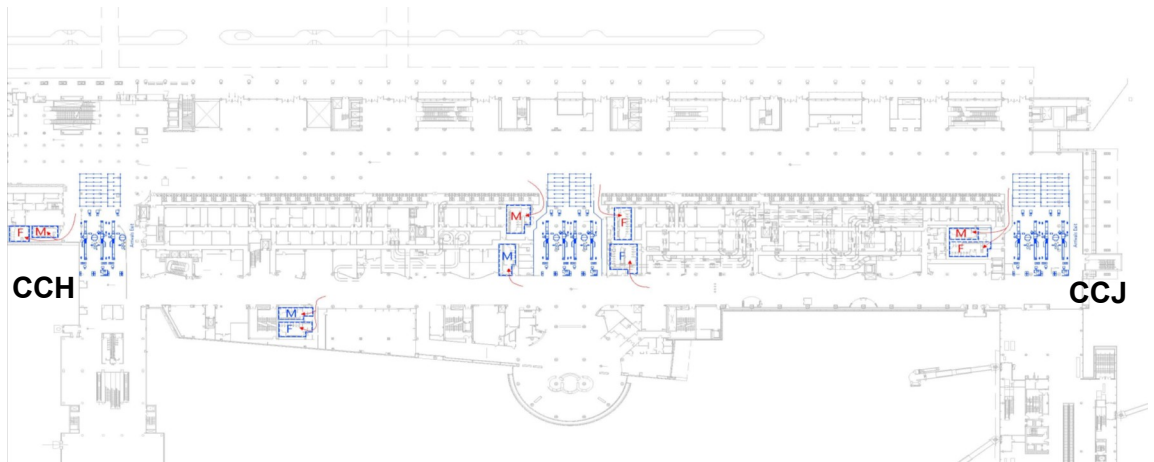
Services Provided:

A/E Consultant

Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Lawrence Arrington AIA
Esther Monterrey AIA
Ralph Gonzalez

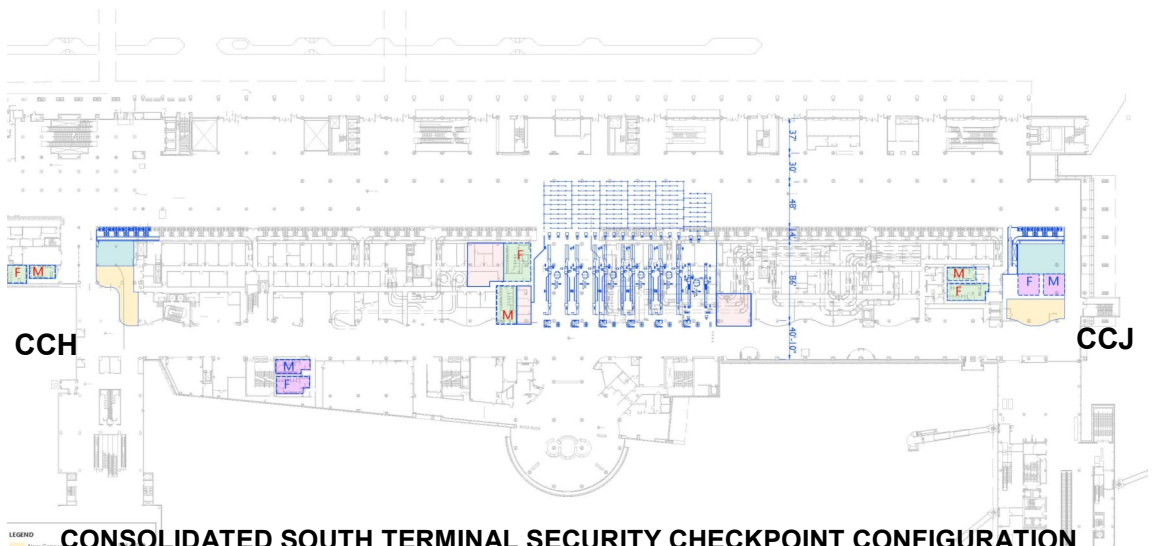
In order to improve the security processing capability for the MIA South Terminal, a study was conducted of three existing checkpoints proposed for consolidation into a single, larger, security checkpoint positioned between two concourses.



EXISTING SOUTH TERMINAL SECURITY CHECKPOINT CONFIGURATIONS

A summary of issues and potential conflicts identified in this study include the following:

- Ticket Counter Replacement and ATO relocations: conflict with existing electric room and airline IT room;
- New Baggage Handling System: the US Customs baggage conveyor from ramp level to third floor claim devices requires rerouting impacting second floor configuration and floor structure; new checked baggage take away conveyor;
- Toilet Room relocations: minimum pre and post security fixture counts; access to nearest tie-in to gravity sanitary plumbing lines; minimum travel distance between toilet room facilities.



CONSOLIDATED SOUTH TERMINAL SECURITY CHECKPOINT CONFIGURATION

MIAMI-DADE AVIATION WAYFINDING SIGNAGE & GRAPHICS

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Richard Garcia
Chief of Signage
305 896-1040
rgarcia@miami-
airport.com

Type of Project:

MIA Wayfinding
Signage and Graphics
Continuing Services

Project Location:

Miami International
Airport

Contract Amount:

\$2 million

Contract Timeline:

Initiated 2018
Completed Ongoing

Construction Delivery:

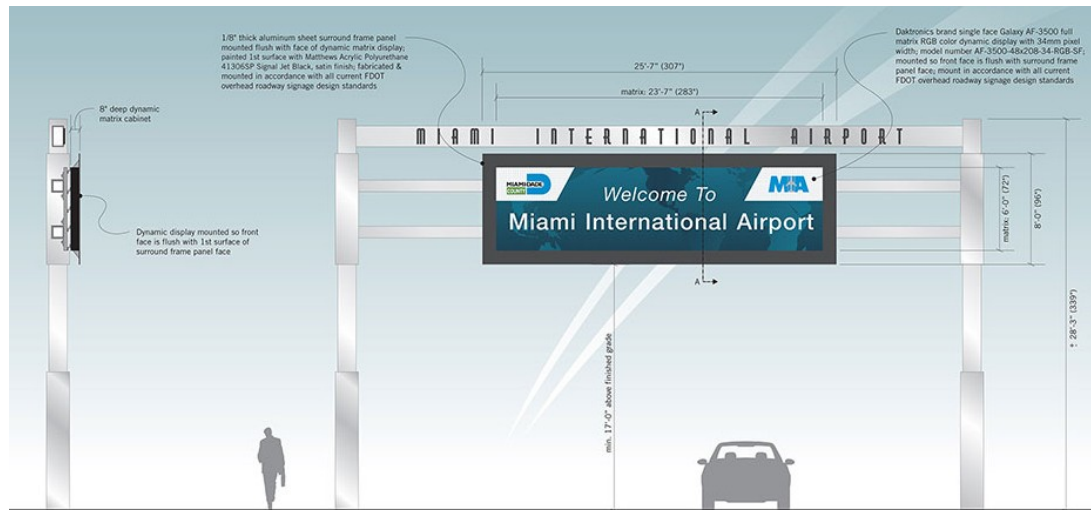
Miscellaneous
Construction Contractor

Services Provided:

Prime Consultant
Full A/E Services

Key Staff Members:

Craig Aquart AIA
Lourdes Solera, FAIA
Esther Monterrey AIA
Lawrence Arrington AIA
Ralph Gonzalez



The Miami-Dade Aviation Department has engaged the services of MC Harry Associates to provide professional wayfinding signage and environmental graphic design services for the Miami-Dade County System of Airports including:

Miami International Airport (MIA)
Miami Opa-Locka Executive Airport (OPF)
Miami Executive Airport (TMB)
Miami Homestead General Aviation Airport (X51)
Dade-Collier Training and Transition Airport (TNT)

Specific A/E services include Environmental Graphic Design; Wayfinding Design; Theory and Implementation; Signage Concept Development and Design; Program Management; Branding and Signage Roll-Out; Branding Strategy and Solutions. Project assignments include:

MIA Wayfinding Standards and Guidelines
MIA Ticket Counter Numbering
MIA Interactive Terminal Airline Directories
MIA Dolphin and Flamingo Parking Garage Dynamic Signage
Miami Intermodal Center (MIC) Walkway Signage
MIA North Terminal Baggage Claim Identification Signage
OPF Roadway Monuments Signage



KEY WEST CITY HALL

Client:
City of Key West

Type of Project:
Adaptive Reuse
and
Restoration

Project Location:
1300 White Street
Key West, Florida

Client Contact:
Chief Building Official
Terry Justice
305 304-4799
tjustice@cityofkeywest-
fl.gov

City Manager
Greg Veliz
305 809-3888
gveliz@cityofkeywest-
fl.gov

Construction Budget:
\$18.8 million

Contract Timeline:
Initiated 2015
Completed 2018

Construction Delivery:
Design Bid Build

Services Provided:
Architectural Consultant

Architect of Record:
Bender & Associates

Key Team Members:
TLC Engineering
Solutions
Commissioning

Key Staff Members:
Craig Aquart AIA
Lourdes Solera, FAIA
Lawrence Arrington AIA
Esther Monterrey AIA
Lisette Boosooboy,
LEED AP

LEED Certification:
Platinum



Key West's new City Hall is the culmination of a two year planning, programming, design and construction program transforming the historic 1923/1927 vintage Glynn Archer Elementary School buildings into a 37,000sf administration complex consolidating thirteen city departments.

The historic restoration component of the project has focused on the building's façade and fenestration while the adaptive reuse scope of work has taken full advantage of the two, 2-story classroom buildings to accommodate key administrative functions including Planning and Zoning, Code and Parking Enforcement, Community Development, Public Works, and the City's Manager, Clerk and Attorneys.

The historic school auditorium which separated the two classroom buildings has been adapted as a Commission Chamber and multiuse event space. A centrally located second floor conference room as function as an Emergency Operations Center.

The City Hall Complex achieved prestigious LEED Platinum certification relying on sustainable design strategies ranging from energy efficient lighting and photovoltaic energy production, to rainwater collection cisterns and low-flow plumbing fixtures. Other project features include a staff fitness center and a trash recycling area.



MIA CENTRAL PARKING REVENUE COLLECTION PLAZA

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-
airport.com

Type of Project:

Public Parking Revenue
Collection Plaza

Project Location:

Miami International
Airport

Construction Cost:

\$18 million

Contract Timeline:

Initiated 2002
Completed 2005

Construction Delivery:

Design Bid Build

Services Provided:

Prime Consultant
Full A/E Services

Key Staff Members:

Lourdes Solera, FAIA
Lawrence Arrington AIA
Ralph Gonzalez

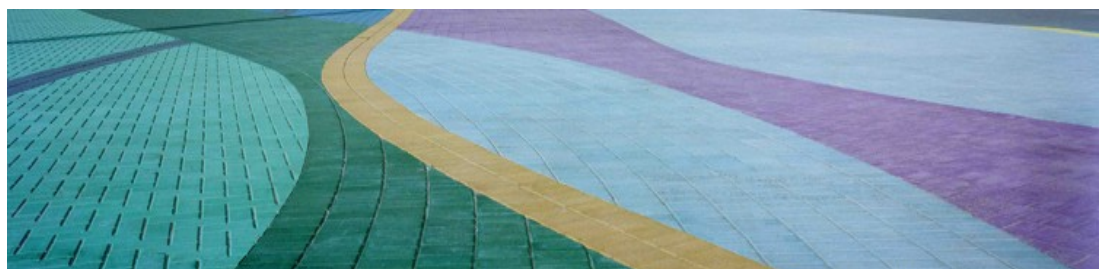
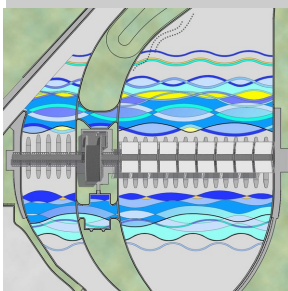


The Central Revenue Collection Plaza at MIA has elevated the traditionally mundane revenue collection building type, typically utilitarian in nature, to that of a gateway feature element celebrating entry to one of the most dynamic cities in the world.

The sixteen lane, 400ft long structure creates a unique and memorable gateway to the “Magic City” as you depart Miami International Airport.

The architects collaborated with Chicago artist John David Mooney to create *Miami Wave*, a multi-colored concrete paving design inspired by Miami’s unique light and water; an art installation integrated into the overall plaza design creating visual unity.

The project, located in an extremely dynamic seven acre urban setting, centralizes parking toll collection combining conventional attendant cashier services with state-of-the-art electronic credit/debit card and “speed pass” technology.



MIA NORTH TERMINAL FEDERAL INSPECTION FACILITY

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-
airport.com

Type of Project:
Federal Inspection
Facility

Project Location:
Miami International
Airport

Construction Cost:
\$175 million

Contract Timeline:
Initiated 1980
Completed 1986

Construction Delivery:
Construction Manager

Services Provided:
Prime Consultant
Full A/E Services

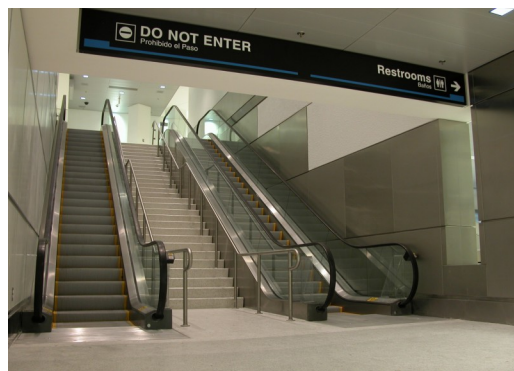
Key Staff Members:
Lourdes Solera, FAIA
Lawrence Arrington AIA
Ralph Gonzalez



The Federal Inspection Services Facility is a key component of international passenger processing at Miami International Airport's new North Terminal.

The 400,000sf facility incorporates the latest, high-security technology and infrastructure to support Customs and Border Protection rapidly processing over 27,000 passengers a day. Specialty infrastructure includes heavy duty contraband grinders with acid waste disposal and 2, sound proof kennels with dog baths and specialty waste plumbing. Center for Disease Control technology and circulation design provides for CDC to identify, treat and/or extract infected passengers without impacting FIS operations.

The multi level facility includes a 60,000sf passport control processing hall on level 3, an 80,000sf baggage claim/inspection hall on level 2, and a 10,000sf meeter/greeter lobby on level 1.



MIA CONCOURSE F INTERNATIONAL ARRIVALS TERMINAL

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-
airport.com

Type of Project:

Aircraft Terminal
Renovation and
Expansion

Project Location:

Miami, Florida

Construction Cost:

\$30 million

Contract Timeline:

Initiated 1980
Completed 1986

Construction Delivery:

Design Bid Build

Services Provided:

Prime Consultant
Full A/E Services

Key Staff Members:

Lourdes Solera, FAIA
Lawrence Arrington AIA
Ralph Gonzalez



A multi-phased renovation/expansion program transforming a domestic service concourse into a 19 gate international arrivals and departure terminal.

The expansion component includes a 120,000sf three story, 12 gate 'head house' addition with accommodations for a third floor satellite immigrations/ customs processing facility; an intransit passenger lounge; a 30,000sf departure lounge; related ramp level operations center; new apron paving; 400 Hz ground power; an aircraft a/c system; and an expanded aircraft fueling system.

The project was constructed in multiple phases over a 36 month timeline requiring the contractor to limit existing gate downtime to a single gate. Interim completion milestones were imposed obligating the contractor to deliver selected new gates in advance of full project completion.



MIA CONCURSE F RAMP LEVEL IMPROVEMENTS

Client:

Miami-Dade Aviation
Department

Client Contact:

Pedro Hernandez PE
Asst Director Planning
305 876-7928
phernandez@miami-
airport.com

Jose Ramos RA
Aviation Planning
305 876-8080
jramos@miami-airport.com

Type of Project:

Renovation and Tenant Fitup

Project Location:

Miami, Florida

Construction Budget:

\$7 million

Contract Timeline:

Initiated 1986
Completed 1989

Construction Delivery:

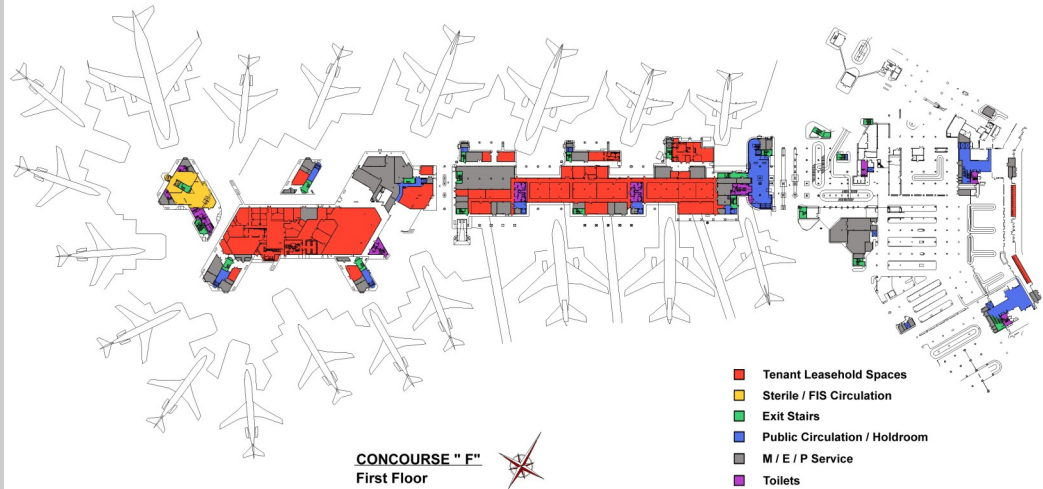
Design Build Build

Services Provided:

Prime Consultant
Full A/E Service

Key Staff Members:

Lourdes Solera, FAIA
Lawrence Arrington AIA
Ralph Gonzalez



The Concourse F Ramp Level Improvements Project was constructed under four separate bid packages: and accomplished the following:

Bid Package 1:
New Combustible Liquids Storage Facility

Bid Package 2:
New Fire Protection Sprinkler System for ramp level areas located under the Concourse F Head House.

Bid Package 3:
Gate Module 1 Retrofit including new Control Center for United Airlines, and improvements to accommodate U.S. Customs & Border Protection

Bid Package 4:
Ramp Services Office Improvements



Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: M.C. Harry & Associates Inc.

Organization/Firm Name providing reference:

Bender & Associates ArchitectsContact Name: David Salay

Title: Architect, Partner

Reference date: 03/18/2021Contact Email: dsalay@benderarchitects.comContact Phone: 305-296-1347Name of Referenced Project: Key West City Hall

Contract No.

13-001

Date Services Provided:

02/06/2013

to

03/14/2019

Project Amount:

\$ 14,997,500.00Vendor's role in Project: ☐ Prime Vendor ☒ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Architectural Services including programming and schematics, design development, demo package, construction documents, bidding phase, construction phase, interiors package, LEED services and existing conditions drawings.Please rate your experience with the
referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
1. Vendor's Quality of Service			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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:			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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:			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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:			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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)

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 Procurement Code.

MIAMI-DADE COUNTY, FLORIDA



Exhibit A

Miami-Dade Aviation Department
P.O. Box 025504
Miami, FL 33102-5504
<http://www.miami-airport.com>

Business Reference Form

Third Party Information (Requestor)

Name of Requestor: Broward County

Requestor's Business Name: Broward County

Information about Known Business/Vendor/Proposer

Name of Known Business/Vendor/Proposer: MC Harry & Associates

Time Period Relevant to Information: 8/20/2019 - 3/26/2021

Project Name Relevant to Information: A16-MDAD-04

(Unless information is project specific, provide information on latest project.)

Airport Wayfinding, Signage Design Services

Total Project Budget: \$2,205,500

Final Project Cost: \$311,641 (to date)

(or, Total Revenue Collected, as applicable)

Services provided were: Satisfactory / Not Satisfactory

(Additional information, as available, may be requested under a Public Records request to the Miami-Dade Aviation Department as per Florida Statutes §119.01, Miami-Dade County Administrative Order 4-48 and Miami-Dade Aviation DSOP 00-08)

Information is submitted on behalf of the Miami-Dade County Aviation Department, as authorized by:

3/29/21

Assistant Aviation Director Signature and Date

Ralph Cutié, Assistant Aviation Director

Assistant Aviation Director Name and Contact Information

Miami-Dade Aviation Department
DSOP 02-01

3. Past Performance
A. References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: MC Harry & Associates

Organization/Firm Name providing reference:

Miami-Dade Aviation Department - Facilities Management Division

Contact Name: Richard G. Garcia

Title: Section Chief

Reference date: 03/26/2021

Contact Email: rgarcia@miami-airport.com

Contact Phone: 305-869-1040

Name of Referenced Project: Airport Wayfinding & Signage Design Services

Contract No.

Date Services Provided:

Project Amount:

16-MDAD-04

08/20/2019 to 03/26/2021

\$ 2,205,500.00

Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Wayfinding, Signage Design, Architectural, Engineering

Please rate your experience with the
referenced Vendor:

	Needs Improvement	Satisfactory	Excellent	Not Applicable
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 type="checkbox"/>	<input checked="" type="checkbox"/>

Additional Comments: (provide on additional sheet if needed)

THIS SECTION FOR COUNTY USE ONLY

Verified via: _____EMAIL _____VERBAL Verified by: _____ Division: _____ Date: _____

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Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: M.C. Harry & Associates Inc.

Organization/Firm Name providing reference:

Ricondo & Associates, Inc.Contact Name: Remy LucetteTitle: DirectorReference date: 03/29/2021Contact Email: rlucette@ricondo.comContact Phone: 305-677-0373Name of Referenced Project: MDAD Aviation Planning Services / E13-MDAD-01

Contract No.

Date Services Provided:

Project Amount:

E13-MDAD-0112/27/2013

to

12/27/2018\$ 825,000.00Vendor's role in Project: ☐ Prime Vendor ☒ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

Description of services provided by Vendor:

Architectural Analyses, Cost EstimatingPlease rate your experience with the
referenced Vendor:Needs
Improvement

Satisfactory

Excellent

Not
Applicable

1. Vendor's Quality of Service

a. Responsive

b. Accuracy

c. Deliverables

☐☐☒☐☐☐☒☐☐☐☒☐

2. Vendor's Organization:

a. Staff expertise

b. Professionalism

c. Turnover

☐☐☒☐☐☐☒☐☐☐☒☐

3. Timeliness of:

a. Project

b. Deliverables

☐☐☒☐☐☐☒☐

4. Project completed within budget

☐☐☒☐

5. Cooperation with:

a. Your Firm

b. Subcontractor(s)/Subconsultant(s)

c. Regulatory Agency(ies)

☐☐☒☐☐☐☐☒☐☐☐☒

Additional Comments: (provide on additional sheet if needed)

MCH Team led and successfully delivered an architectural study for the Client.

THIS SECTION FOR COUNTY USE ONLY

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

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3. PAST PERFORMANCE

B. Experience with CAD/BIM





Our team is ready! We are ready to work with **Broward County Aviation Department**.

From Pre-contract to Close-out MC Harry utilizes some of the latest technology to accurately and efficiently manage aspects of the administrative, design, documentation, and management processes to deliver projects to our clients successfully.

At the very beginning of a project, we use Deltek Vision to identify key personnel availability and prepare for assignment adjustments as necessary to plan for the upcoming project. To assist in proposal preparation, we employ our in-house Microsoft Excel project data-bank to generate a rough order of magnitude construction unit cost estimate based on projects done within the last 5 years with consideration given to similar scope, schedule, and budget.

During the Field Verification (FV) Phase, record drawings are imported or scanned and added to the project documentation folder to compare and contrast field verified information with as-built drawings. On-site, resources from our consultants allow us to perform high-definition laser scanning which allows for the digital recording of exposed, visible, and accessible physical features. These scans are performed to Level of Accuracy (LOA) 20 per the United States Institute of Building Documentation (ASIBD) specification. This LOA specification is sufficient to extract features from the scan to a Level of Development (LOD) 200. Individual take-offs and documentation are conducted using hand-held laser measuring devices, pdf notations, and digital photography.

At the Design and Construction Documentation Phases, data from Field Verification is imported into SketchUp to recreate existing conditions in a simple editable 3D format. SketchUp allows us to stay nimble providing quick design ideas to be explored and communicated to the project team for decision making. Conceptual designs are further developed using Lumion to create photorealistic renderings for the client's review and approval. On approval of Design Development, Revit seamlessly imports the SketchUp model to initiate the document process for construction. BIM is an essential part of our quality control procedures. Depending on the LOD agreed upon, the Revit model is used by all consultants for conflict resolution, cost analysis, and energy modeling. CADD is also available for less involved projects. We develop technical specifications in-house including those defining construction phase sustainable design milestones using the latest online product sources developed in conjunction with the construction drawings to create a clear, concise, correct, and complete set of construction documents.

We also use Microsoft Projects to assist in the tracking of the construction schedule and help in the generation of possible schedule recovery suggestions when necessary.

Virtual meetings are now common-place in the industry to plan, organize, and manage projects where possible. MC Harry staff is experienced and versatile with the use of Microsoft Teams, GoToMeeting, WebEx, and Zoom Meeting platforms.

Other available resources includes the latest project design and management tools in the industry. We scanning and color plotting capabilities for media support including full Adobe Creative Suite graphic programs. Our workstations support multiple LCD monitors for ease of graphics and data management.

We have on-going working relationships with a variety of specialty consultant firms that have expertise in materials testing, hazardous materials abatement and other specialized professional services which can be accessed through us. Critical design/management responsibilities for each major task will be delegated to a design principal or senior associate with in-depth project related experience.



Master Consulting Engineers, Inc.
Extreme Engineering | Incredible Results

MCE has been modeling in Revit (BIM) since 2016. When modeling vertical elements, this BIM environment allows MCE to coordinate between all trades, as the building is being advanced through the design phases. Coordination between consultants is achieved at various intervals as models are exchanged between consultants. Once a compiled model is developed to required level, typically a third party will run a full clash detection on all trades. The clash detection will populate a spreadsheet for areas of review where potential items are interfering with each other. It is especially critical for aviation as space is a premium with limited floor to floor heights. In addition, these Revit models can be shared and reviewed in real time with other team members as well as the clients.



BUILDING INFORMATION MODELING (BIM)

KEITH has the capacity and expertise to model existing surfaces through the use of laser scans/3D point clouds and proposed surfaces, underground utilities utilizing Civil 3D, as well as importing/coordinating other building information models on or adjacent to the site. With this knowledge, the owner can consider potential savings in evaluating proposed projects, layouts of new buildings and facilities, preparing cut and fill calculations and quantity estimating/take offs, not to mention the advantage of having accurate data for future development, facility management and analysis of life cycle costs. The use of Building Information Modeling (BIM) as a deliverable allows for the owner to maximize their ability to have the data managed in all formats (Revit/AutoCAD Civil 3D, COBie data and GIS) and for that data to be utilized throughout the life span of the facility.

Tools/Software

Arc GIS	ArcMap 10.8
ArcGIS Pro 10.8	Autodesk
3D Studio MAX 2020	AutoCAD 2020
Civil3D 2020	Form IT 2020
Infraworks 2020	Map 3D 2020
Navisworks 2020	Recap Pro 2020
Revit 2020	Bentley
Microstation Connect	Microstation Series 10
OpenWater	OpenRoads Design
Power GeoPAK Series 10	BlueBeam 2018
ICPR Ver. 4	LandFX 2020
Leica	Cloudworks 6.5.1
Cyclone 2020.1.0	Pegasus 8.80.2720
Lumion 10.0.2	Trimble
Sketchup 2020	AutoTURN 10
Trafficware	Syncro 11
SIM Traffic 10	TopoDOT 64bit



Hammond: We use CAD/BIM as required by our clients



Engenuity Group gathers field data digitally and then processes it in the office using AutoCAD/Civil 3D (version 2021). We can analyze, modify, enlarge/reduce the scale and change contour intervals in the office prior to creating hard copies of the survey. We can also depict various features on the map using a combination of points, lines, and symbols. These digital files can then be used by our GIS and engineering department for data analysis or thematic mapping. All of our drawings are sent to the architect for incorporation into their vertical building plans.

Terracon CAD/BIM:

Technical reports, engineering designs and construction documents will be prepared by Terracon's environmental team using Microsoft Word (narrative), Excel (tables, cost estimates), and AutoCAD (maps/drawings) software in Adobe PDF format on compact discs or emailed along with bound hard copies. Alternately, we can provide reports at our secure client document website where only authorized team members can directly download documents placed in that file folder by our environmental key staff.

Terracon has in-house CAD department. The soil boring logs for our geotechnical services can be presented in CAD and MicroStation.



3. PAST PERFORMANCE

C. Experience with Regulatory Agencies



3. Past Performance

C. Experience w/Regulatory Agencies



Experience with Local, State and Federal Government Agencies:

Through a body of work spanning more than 60 years, MC Harry Associates have developed long-standing working relationships with state and local agencies, permitting authorities, and fire department officials. We have recent project experience coordinating with multiple 'authorities having jurisdiction', stakeholder entities and public review forums. We have extensive experience with Regulatory Agencies in Broward County being that we have contracts with the School Board of Broward County and must deal with different regulatory agencies on a daily basis. These collective relationships and experiences represent an essential key factor in the timely delivery of your project.

SUBCONSULTANTS:

MCE will assist the client or team consultant with any requirements that are necessary related to structure. Typically, the vast majority of these permitting efforts are related to civil and site criteria.



PERMITTING to facilitate construction of improvements is a critical element in the overall project management process. Permitting can be extremely time consuming and may result in project delays and cost overruns. It is, therefore, critical that members of the project management team work closely with the client, other consultants, and the respective agencies to identify issues of importance to regulatory agencies during early stages of the design process.

To facilitate an orderly flow of our design services, KEITH utilizes a hands-on approach, meeting early in the process with regulatory agencies having jurisdiction over the site to evaluate their standards and assess the issues relative to their approval process. Our project approach includes permitting as a specific task in our scheduling process and given the magnitude of the assignment, schedules may be updated more frequently to assure compliance with the overall project schedule. KEITH's experience in dealing with the regulatory agencies enables us to secure the necessary permits in a most expeditious manner.



During the past 55 years, Miller Legg's reputation and approach has been best characterized by a "partnering relationship". We dedicate ourselves to learning the culture of our clients, and their specific concerns, desires and needs, much like an extension of their own offices. We consistently strive to maintain time schedules and to provide factual and frequent communication. This is reinforced through our tagline, *Improving Communities. Creating Environments*. We have a successful formula that has worked, time and again, to expedite issuance of environmental permits associated with a project. We will draw upon our knowledge and relationships to advise, guide and expedite procurement of the permits necessary for these Broward County FLL and HWO Airports Building projects. The key to this task is Miller Legg's overall, as well as individual relationships with regulatory agency staff, including those at SFWMD, BCEPGMD, FDOT, FAA, BCWWS, FEMA and FDEP. The basic task is to present technically accurate and complete information focused on providing the information that agency staff need to evaluate the permit application(s). Our Environmental team has permitted more than 200 hundred projects throughout the State of Florida and is familiar with the Federal, State, and local criteria used to evaluate permit applications.

We pride ourselves on anticipating an agency's concern and developing and/or addressing that concern as quickly as possible. Another important aspect of permitting with these agencies, for any project, is to coordinate frequently and provide all the required/requested information in a timely fashion. Given the fact that these agencies are often understaffed and do not have the ability to review projects in a timely fashion, continual coordination is necessary to obtain all required permits in a reasonable time frame. We have an established permitting track record uniquely qualifying the Miller Legg Environmental Team for this element of any task order.

We have an impeccable record of no violations of federal, state, or local law or regulations.

C. Experience w/Regulatory Agencies

Engenuity Group has 40+ years of experience in obtaining permits through agencies all throughout Southeastern Florida including Broward County. Examples of projects that we have recently completed permitting services for in applicable Broward County agencies are as follows:

- SFWMD: PBC Homeless Resource Center 2; Delray Full Service Center; Boca Park of Commerce Warehouse
- FDOT: Erica Blvd. & Bridge over C-51 Canal in Tuttle Royale; Tuscan of South Palm Beach Condo
- BCWWS: Prime Realty Dania Beach Warehouse;
- FEMA: Relate Group Town Royale Apartments in Royal Palm Beach; Renaissance Charter School WPB
- FDEP: FPL Alton Substation in Miami Beach; Boynton Beach Meadows Community Park
- BCEPGMD: Broward Health Weston Campus Drainage Certification; Aztec RV Resort Condo in Margate

PERMITTING REVIEW PROCESS

- Coordinate with staff on issues related to the property being reviewed and its possible impact on the County's objectives and initiatives.
- Provide proper comments and requests for additional information with respect to all applicable Federal, State and Local laws / ordinances.
- Concentrate on possible adverse impacts to adjacent property owners.
- Correspond with permittee when appropriate.

**Permits/licenses/approvals:**

Terracon's environmental/industrial hygiene team supports contractor team members in obtaining permits from building departments in support of renovation projects. Terracon is also well versed in obtaining permits for Maintenance of Traffic (MOT)/lane closure that are typically required for geotechnical services from Broward County and Florida Department of Transportation. Terracon has previously worked at several airports and is aware of all the coordination and access requirements to perform geotechnical services within the airport limits. In addition, our material testing per-




3. PAST PERFORMANCE

D. Experience with Construction Administration

3. Past Performance

D. Experience w/Const.Admin.

 Over the last 60+ years, MC Harry has provided construction contract administration (CCA) services for all our projects that proceed to the construction phase. We are experienced with all forms of project delivery including design/build, CM at Risk, and competitive bid and award construction contracts.

As a firm we meet weekly to report on the progress of each project including projects under construction. This has allowed us to discuss and pass on effective ways of learning about and resolving CCA issues. Successful CCA services is about understanding and executing the construction contract documents and working with the team to plan and meet those expectations in an effective and efficient way.

Our CCA services begins with the pre-construction meeting with all project stakeholders. It continues with conducting OAC meetings, we participate in coordination meetings where required, review and respond to submittals, requests for information, change orders, contractor's requisitions for payment. We wrap up our CCA services with the creation and monitoring of the punch list to identify deficient or incomplete items, and the administering the close-out process. We also offer the services of full-time site representation.

SUBCONSULTANTS:



Master Consulting Engineers, Inc.
Extreme Engineering | Incredible Results

MCE provides limited construction administration services on all projects in the form of submittal review and responding to Requests for Information (RFI). We have also provided periodic inspection services for various threshold and regular building elements during the construction phase of the project.



CONSTRUCTION MANAGEMENT

KEITH has provided construction related services for projects ranging from airport facilities, residential communities, commercial projects and recreational parks including structures, terminals, roadways, parking lots, and utility infrastructures. The best construction management practice is to maintain a close working relationship with all parties involved and to respond quickly and effectively to any issues that may arise. This approach coupled with our experience and knowledge, offers our clients the opportunity to minimize cost overruns and delays during construction through pre-design services, design and construction oversight, and construction administrative services.

KEITH is able to provide construction management duties and responsibilities which may include but are not limited to the following:

- Bid Evaluation
- Construction Administration
- Consultant/contractor/materials testing coordination
- Agency coordination including MOT (Maintenance of Traffic)
- Project controls utilizing the county's records system for financial reporting and project recordkeeping with strict adherence to county policy

- Estimating and scheduling
- Oversee daily job site activities with supervisors, engineers and inspections, as needed
- Quality Assurance
- Safety and Risk Management
- Oversight of permitting and inspections
- Coordinate all temporary badges, visitor passes, escort rated badges, badge renewals, vehicle decals, air-side driver endorsement, and any other required security issues
- Report to contract program manager or designated Project Manager as applicable
- Review and approve all pay applications for earned value and contract compliance which may include change orders, CPEAM's, release of retainage, and final payments
- Be knowledgeable with county contract delivery methods such as CM@Risk, fixed bid, unit price and design/build
- Be knowledgeable with all environmental standards, FAA rules and regulations and State and Federal DOTs
- Advise on and comply with all security policies.

KEITH is committed to delivering an effective level of oversight and stewardship of any construction program. We focus on program practices and techniques that add value and help to ensure effective oversight and acceptable accountability.

CEI SERVICES

Members of KEITH has experienced and qualified staff trained in providing Construction Engineering and Inspection (CEI) services. Our inspection staff members are CTQP (Construction Technician Qualification Program) certified. From construction managers to technical inspection personnel, our highly efficient team has the flexibility to support private development clients as well as governmental municipalities and State agencies (FDOT). We provide an array of Construction Engineering and Inspection services including contract administration, construction management, document control, utility coordination, observations / inspections, schedule and cost controls and contract close-out certifications. The unique ability to understand and recognize both construction constraints and the processes required for a successful project is what defines the KEITH CEI team.



CA & Inspections Process

- Meet with the architect, contractor and all subcontractors to review the scope of work and schedule, testing requirements, inspection schedules, limitation on the times of day work can be done, as well as any limitations of the contractor.
- Schedule regular (weekly), bi-weekly, etc.) meetings with contractor, County staff, engineer, architect, sub-consultants and sub-contractors as required to insure proper project coordination and communication.
- Perform on-site field observation and submit copies of reports to County staff. The field representative will inform the County of the progress of the work, how it compares with the schedule and any changes in the construction that will affect the time of completion or costs.
- Recommend on a monthly basis the amount of funds to be released to the contractor based on percent completed and schedule.
- Obtain any warranties for the work done under the contract.
- Submit as-built information and certification to the appropriate governmental agencies and close out the project.

QUALITY CONTROL

After completion of survey drawings, or any other deliverable, Engenuity Group, Inc. has a formal review period. The project will be reviewed by a Quality Control/Quality Assurance Manager who has had no participation in the project. The review elevates the quality of the final product.

Engenuity Group has developed procedures which can catch possible field errors during construction, by an in-house review of the work performed. It takes approximately one day to perform an in-office check of the file. Construction does not begin until review is finalized.

Engenuity Group internally schedules weekly staff meetings as well as quarterly project reviews for clients, manpower and scheduling needs. Engenuity Group uses Deltek Financial Management software which is a project management/accounting program specific to engineers/architects for project cost control and accounting. To meet budget requirements, during the proposal stage, we establish the hours assigned for each unique task.

Once a task is approved all information regarding due dates and budgets are entered into work orders in Deltek including all of those involving sub-consultants. This allows us to supervise all sub-consultants to ensure they adhere to timeframe and monetary requirements. In addition, we can input detailed information regarding the contracts that are current, making it easy to keep in compliance with all regulations and contract parameters.

After completion of construction plans, rather than immediately submitting to the government agencies for approval, Engenuity Group, Inc. has a formal review period. The project will be reviewed by one of Engenuity Group's senior project managers who has had no participation in the project. The review period takes about one week but can be sped up based on County priorities.

Engenuity Group has developed a "Quality Control Checklist" which specifically lists items to guide the Review Committee's process of approving the plans for construction. Each specific item must be addressed as to whether it is sufficient, insufficient or not applicable.

Signatures are ultimately required by all Review Committee members to stress the importance and responsibility and seriousness of our QA/QC Process.

At Engenuity Group, Inc. we pride ourselves in keeping an open line of communication at all times. We openly share our mobile numbers and emails, in addition to the main office phone, where we can be reached at all times. We know that Broward County serves the citizens, and by extension so would we. We would welcome all staff and Project Managers to contact us at any time should the need arise.

The role of Engenuity Group's Technical Review Committee is to be an unbiased group of surveyors and engineers whose responsibility is to review plans and other survey documents. We have developed a Quality Control Checklist which is based on the Minimum Technical standards checklist. Each specific item must be addressed and deemed sufficient, insufficient or not applicable. Signatures are ultimately required by all Review Committee members to stress the importance and responsibility and depth of our QA/QC Process. A copy of our Quality Control Manual, Checklist and Technical Review Committee process is available upon request.

Terracon Construction administration services and engineering inspections:

Terracon brings extensive resources, expertise and knowledge. We have provided material testing and inspection services at Palm Beach International Airport, Miami North Terminal, Tampa International Airport, Orlando International Airport, SW Airlines Terminal 1 Modernization Program at Fort Lauderdale Airport and various major hub airports.

Terracon provides support services to understand the potential presence of regulated materials in building structures to be renovated. These services are utilized to evaluate building materials and provide the design team with critical information necessary to develop plans for conducting renovation efforts in manner that is safe to the workers and occupants of the facility.

We will actively coordinate with all the project stakeholders, attend progress meetings and establish a rapid transfer of testing and inspection reports to the project team. Our service delivery system can track everything from schedule, reports to budget. All reports will be available to all project stakeholders at any time via any computer with internet connection. Lastly, we understand that the requirements of working in the movement/non-movement areas of the AOA (Air Operations Area) at an extremely active airport.



4. WORKLOAD OF FIRM



Our team is ready! We are ready to work with **Broward County Aviation Department**. We believe that our specialized experience providing A/E services to aviation clients make us a perfect fit for this project. MCHarry and Associates has a staff of 24 with the ability to effectively manage multiple projects at various stages of development at the same time. The firm has seven (7) Florida Registered Architects and a strong team of experienced Project Managers.

Workload - We work in teams of 2 to 3 on each project assignment, and as deadlines approach the resources of the entire firm can be accessed if needed. Our firm typically has as many as 30 to 40 project assignments active at any one point in time; and completed over 100 projects last year. Our current workloads permits us to dedicate the adequate staff needed for your project. With the staff resources we have, we can easily accommodate this project into our schedule for 2021-22.

Ability to Perform Work - We have relevant experience implementing technically oriented aviation design and construction programs. We have experience in design-build, design-bid-build, and construction manager at risk construction delivery methodologies. Our goal is to respond to the unique needs of our client quickly and efficiently with affordable, well conceived design solutions. MC Harry Associates' proven track record for quality project management, coupled with our planning and design expertise with similar projects, is a demonstration of our team's unique capabilities. There were really no major challenges in any of the listed projects below except the normal day-to-day occurrences. If there were any challenges we are certain that we will be able to deal with anything that comes up and we will provide the support needed to keep the project running smoothly.

GENERAL WORKLOAD

TECHNICAL STAFF UTILIZATION PROJECTION (In staff hours)														
A. CURRENT NUMBER OF TECHNICAL STAFF (available over the next 18 months): 24				B. HRS PER MONTH FOR EACH STAFF MEMBER: 160						C. DATE OF 1 ST QUARTER: 04/01/21				
D. CURRENT MONTHLY / QUARTERLY AVAILABLE TECHNICAL STAFF HOURS:				3,840	3,840	3,840	3,840	3,840	3,840	11,520	11,520	11,520	11,520	
PROJECT NAME / TITLE	PHASE	RESOURCE ALLOCATION (HRS)			1 ST QUARTER			2 ND QUARTER			3 RD QUARTER	4 TH QUARTER	5 TH QUARTER	6 TH QUARTER
		TOTAL ESTIMATED	EXPENDED	BALANCE	Month 1	Month 2	Month 3	Month 1	Month 2	Month 3				
Atlantic Sapphire	4	18,776	17,456	1,320	220	220	220	220	220	150	70			
Palm Beach School District Various	3	3,772	1,162	2,610	480	400	400	320	150	150	150	70		
City of Coral Gables Misc	2	3,417	2,617	800	160	160	160	160	80	40	40			
MDCPS Various	4	26,745	25,653	1,092	240	200	200	160	80	80	40	40	40	12
City of Miami Misc	2	1,555	635	920	200	160	160	160	80	80	80			
FIU Misc AE Services	3	10,282	7,482	2,800	480	480	320	320	320	320	160	160	160	80
SBBC Various	3	27,663	20,383	7,280	840	840	640	640	640	640	640	800	800	800
Vizcaya Museum & Gardens	2	4,610	2,330	2,280	360	360	360	180	180	180	180	160	160	160
MD Parks - L&P Thompson	3	3,267	2,147	1,120	240	240	160	160	80	80	80	80		
MD Parks - Southridge Park	2	4,841	1,641	3,200	320	320	320	320	320	320	320	320	320	320
Atlantic Sapphire Phase 2	2	1,330	1,111	219	200	19								
E. TOTAL PLANNED HOURS		106,258	82,617	23,641	3,740	3,399	2,940	2,640	2,150	2,040	1,760	1,630	1,480	1,372
F. TECHNICAL STAFF AVAILABILITY FOR FUTURE PROJECTS (in hours during the next 18 months):		Overall Total: A x B x 18 = 69,120	Available Hours: 45,969	100	441	900	1,200	1,690	1,800	9,760	9,890	10,040	10,148	

CURRENT PHASE: 1 = Programming 2 = Design 3 = Bidding 4 = Construction

Workload Worksheet



M.C. Harry and Associates, Inc.

Show Unposted	Project
Project Number: ATLANTIC SAPPHIRE	Atlantic Sapphire-USA Salmon Farm Ph1
Period Range	
JTD	ATLANTIC SAPPHIRE
Project Number: ATLANTIC SAPPHIRE2	Atlantic Sapphire-USA Salmon Farm Ph2A
Period Range	
JTD	ATLANTIC SAPPHIRE2
Project Number: CG CLAY ROOF CG	Youth Center Clay-tile Re roofing
Period Range	
JTD	CG CLAY ROOF
Project Number: CM ARMBRISTER PARK	CM-Armbrister Park
Period Range	
JTD	CM ARMBRISTER PARK
Project Number: CM LEGION PARK	CM Legion Park Community Building
Period Range	
JTD	CM LEGION PARK
Project Number: CM LHCC INTRUSION	CM Little Haiti Cult Ctr Water Intrusion
Period Range	
JTD	CM LHCC INTRUSION
Project Number: CM LHCC RE-ROOF	CM Little Haiti Cult Ctr Re-Roof
Period Range	
JTD	CM LHCC RE-ROOF
Project Number: CM SPRING GARDEN	City of Miami Spring Garden Park
Period Range	
JTD	CM SPRING GARDEN
Project Number: DAVIE - FARM PARK	DAVIE - Collins Farm Park
Period Range	
JTD	DAVIE - FARM PARK
Project Number: DCPS GOB CGABLES2	DCPS GoBond Coral Gables SH_Part2
Period Range	
JTD	DCPS GOB CGABLES2
Project Number: DCPS GOB GLADES	DCPS GoBond Glades Middle
Period Range	
JTD	DCPS GOB GLADES
Project Number: DCPS GOBOND CGABLE	DCPS GoBond Coral Gables SH
Period Range	
JTD	DCPS GOBOND
Project Number: DCPS GOBOND FLAMIN	DCPS GOBOND Flamingo ES
Period Range	
JTD	DCPS GOBOND FLAMIN
Project Number: DCPS GOBOND FRANKL	DCPS GoBond B. Franklin K-8
Period Range	
JTD	DCPS GOBOND
Project Number: DCPS GOBOND H-K82B	DCPS GoBond Hialeah K-8 CTR. PHASE 2B
Period Range	
JTD	DCPS GOBOND H-K82B
Project Number: DCPS GOBOND SHEN M	DCPS GOBOND SHENANDOAH MIDDLE ADDITION
Period Range	
JTD	DCPS GOBOND SHEN
Project Number: DCPS_NWESTERN	DCPS North Western Testing Labs
Period Range	
JTD	DCPS_NWESTERN
Project Number: DCPS2 OAK GROVE	DCPS GOBond2 OAK GROVE
Period Range	
JTD	DCPS2 OAK GROVE

Project Number: DCPS2_AMERICAN SHS DCPS GoBond2 American Sr High
 Period Range
 JTD DCPS2_AMERICAN SHS
 Project Number: DCPS3_ARCOLA DCPS GoBond3 Arcola Lake Elementary
 Period Range
 JTD DCPS3_ARCOLA
 Project Number: DCPS4_SWSH DCPS GoBond SW Sr. High Renovations
 Period Range
 JTD DCPS4_SWSH
 Project Number: DMS_FHP ADA RENO DMS FHP Marathon ADA Restroom Reno
 Period Range
 JTD DMS_FHP ADA RENO
 Project Number: DMS_N BROWARD ROOF DMS_N BROWARD RSC ROOF REPLACEMENT
 Period Range
 JTD DMS_N BROWARD
 Project Number: DMS_ROHDE A/C REP DMS ROHDE BLDG 4TH FLR A/C REPLACEMENT
 Period Range
 JTD DMS ROHDE A/C REP
 Project Number: DMS ROHDE ADA PH 2 DMS Rohde ADA Remediation Phase 2
 Period Range
 JTD DMS ROHDE ADA PH 2
 Project Number: DMS ROHDE MISC DMS ROHDE BLDG MISC REPAIRS
 Period Range
 JTD DMS ROHDE MISC
 Project Number: FIU BBC REC BLDG FIU BBC REC BLDG RO1
 Period Range
 JTD FIU BBC REC BLDG
 Project Number: FIU CHARTWELLS REF FIU Chartwells Refresh
 Period Range
 JTD FIU CHARTWELLS REF
 Project Number: FIU COB PUMP RM FIU CBC Fountain Pump Room
 Period Range
 JTD FIU COB PUMP RM
 Project Number: FIU ICTB FIU ICTB - Kampong
 Period Range
 JTD FIU ICTB
 Project Number: FIU VH CLERESTORY FIU VH Clerestory Structural Repairs
 Period Range
 JTD FIU VH CLERESTORY
 Project Number: FIUN AC2 WINDOW RE FIUN AC2 Window Replacement
 Period Range
 JTD FIUN AC2 WINDOW RE
 Project Number: FIUN WUC WATER FIUN WUC Water Intrusion Repairs
 Period Range
 JTD FIUN WUC WATER
 Project Number: HISTORY MIAMI FURN HISTORY MIAMI FURN
 Period Range
 JTD HISTORY MIAMI FURN
 Project Number: MDAD CCF 400HZ - 1 MDAD CCF 400Hz & PCA Phase 1
 Period Range
 JTD MDAD CCF 400HZ - 1
 Project Number: MDC MAKERS LAB MDC Kendall Campus Makers Lab
 Period Range
 JTD MDC MAKERS LAB
 Project Number: MDC_N BLDG 7000+ MDC North Building 7000 + Annex w/ OHL
 Period Range
 JTD MDC_N BLDG 7000+
 Project Number: MDC_NDM 21004 MDC NDM 21004 Bldgs 100 + 6000 Re-roof
 Period Range
 JTD MDC_NDM 21004
 Project Number: MDC_WDM 19002 2106 MDC WDM 19002-02 Bldg. 2000 RM 2106
 Period Range



JTD MDC WDM 19002 2106
Project Number: MDC WDM 19002-02 MDC Wolfson Campus DM 19002-02
Period Range

JTD MDC WDM 19002-02
Project Number: MDC WDM 19002-04 MDC Wolfson Campus DM 19002-04 Restroom
Period Range

JTD MDC WDM 19002-04
Project Number: MDC WDM 19002-05 MDC Wolfson Campus DM 19002-05
Period Range

JTD MDC WDM 19002-05
Project Number: MDC WDM 19002-09 MDC Wolfson Campus DM 19002-09
Period Range

JTD MDC WDM 19002-09
Project Number: MDC WDM 21011 Freedom Tower Drainage Phase 1C
Period Range

JTD MDC WDM 21011
Project Number: MDC WDM 21013 MDC WDM 21013 Bldg 7 AHU & Light Fixture
Period Range

JTD MDC WDM 21013
Project Number: MDC WOLFSON GARAGE MDC Wolfson Garage Remediation
Period Range

JTD MDC WOLFSON
Project Number: MIA TOP APM PLATFO MIA TOP APM Station Platform Improv
Period Range

JTD MIA TOP APM PLATFO
Project Number: MIA TOP CEN FACADE MIA TOP CENTRAL TERMINAL FACADE
Period Range

JTD MIA TOP CEN FACADE
Project Number: MIA WF MIC SIGNAGE MIA Wayfinding MIC Pedestrian Signage
Period Range

JTD MIA WF MIC SIGNAGE
Project Number: MIA WF MONUMENT MIA WF Dolphin and Flamingo Garages
Period Range

JTD MIA WF MONUMENT
Project Number: MIA WF STANDARD MIA Wayfinding Standards and Guidelines
Period Range

JTD MIA WF STANDARD
Project Number: MIA WF TICKETCOUNT MIA Wayfinding Ticket Counter Numbering
Period Range

JTD MIA WF TICKETCOUNT
Project Number: MONROE - 490 FLOOD Monroe - 490 63rd St Flood Protection
Period Range

JTD MONROE - 490 FLOOD
Project Number: MS LIBRARY EXP Miami Shores Brockway Mem Library N Exp
Period Range

JTD MS LIBRARY EXP
Project Number: PBC CITRUS COVE SD PBC_Citrus Cove
Period Range

JTD PBC CITRUS COVE
Project Number: PBC_C MCAULIFFE SD PBC_Christa McAuliffe MS
Period Range

JTD PBC_C MCAULIFFE
Project Number: PBC_JUPITER ELEM SD PBC_Jupiter Elem
Period Range

JTD PBC_JUPITER ELEM
Project Number: PBC_PAHOKEE SD PBC_Pahokee Elem
Period Range

JTD PBC_PAHOKEE
Project Number: PBC_SANTALUCES SD PBC_Santaluces HS
Period Range

JTD PBC_SANTALUCES
Project Number: PISTA_NORTH DADE Pista_North Dade Government Center



Period Range
JTD PISTA_NORTH DADE
Project Number: PR_ZOO RESTOOM Zoo Miami Restroom Renov
Period Range
JTD PR_ZOO RESTOOM
Project Number: PROS_GOULDs Goulds Park
Period Range
JTD PROS_GOULDs
Project Number: PROS_LPT PARK Larry and Penny Thompson Park
Period Range
JTD PROS_LPT PARK
Project Number: PROS_SOUTHRIDGE PR_Southridge Park Aquatic Center
Period Range
JTD PROS_SOUTHRIDGE
Project Number: SBBC AEPC COLBERT SBBC AEPC Colbert ES
Period Range
JTD SBBC AEPC COLBERT
Project Number: SBBC BROADVIEW SBBC Broadview Elem - GoBond Renovat
Period Range
JTD SBBC BROADVIEW
Project Number: SBBC COCONUT CREEK SBBC Coconut Creek - GoBond Renovat
Period Range
JTD SBBC COCONUT
Project Number: SBBC CORAL SPRINGS SBBC Coral Springs HS - GoBond Renovat
Period Range
JTD SBBC CORAL SPRINGS
Project Number: SBBC MAPLEWOOD SBBC Maplewood Elem - GoBond Renovat
Period Range
JTD SBBC MAPLEWOOD
Project Number: SBBC MIRAMAR SBBC Miramar High School
Period Range
JTD SBBC MIRAMAR
Project Number: SBBC-ALTANTIC SBBC Atlantic Technical - GoBond Renovat
Period Range
JTD SBBC-ALTANTIC
Project Number: SBBC-BOYD ANDERSON SBBC Boyd Anderson GoBond Renovations
Period Range
JTD SBBC-BOYD
Project Number: SBBC-WALKER SBBC Walker Elementary School
Period Range
JTD SBBC-WALKER
Project Number: VIZCAYA-PHASE 1 Vizcaya - MP Phase 1 Implementation
Period Range
JTD VIZCAYA-PHASE 1
Final Totals
Period Range
JTD





5. LOCATION

MC Harry is not a Local Business.

Supplier Response Form

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),
- 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),
 - in an area zoned for the conduct of such business,
 - that the Vendor owns or has the legal right to use, and
 - 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: Craig Aquart

TITLE: Principal

VENDOR NAME: M.C. Harry & Associates Inc.

DATE: 3/12/2021



6. WILLINGNESS TIME & BUDGET



Ensuring Timely Completion of Projects / Phases: MC Harry is one of the most respected architectural firms in Miami-Dade County. We have an excellent record of cost control, program responsiveness and timeliness of service. Our diverse staff of motivated professionals, have been serving public agencies throughout the South Florida area on a variety of successful projects; a tradition for over 62 years. We have earned a well deserved reputation for successful, well conceived projects delivered ON TIME and WITHIN BUDGET.

Maintaining projects on schedule and within budget requires a focused and committed A/E team that has previously worked together and understands the need and techniques to control the **TIME, MONEY and COMMUNICATION** issues influencing the success of the project:

TIME issues are controlled by establishing easy to read; easy to update task oriented project schedules. We establish the number of working days for each task; and this, in turn, establishes hard dates and phased milestones that need to be met by the project team. Specific deadlines are established for AE / Owner / and Contractor, and are the basis of interdisciplinary coordination. This schedule is the benchmark for progressive project development; and if additional tasks are required; the schedule is modified accordingly. This type of schedule is easy to read, understand; update and follow over time.

MC Harry is 100% committed to meeting the requirements when identified under this agreement.



7. VOLUME OF PREVIOUS WORK



MC Harry has had no Work for Broward County Board of County Commissioners in the last 5 years.

DPX Form

<https://www.bidsync.com/dpx/DPXLogin>**Supplier Response Form****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

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**.

VendorName: M.C. Harry & Associate

Craig Aquart, AIA CSI

Principal

3/18/21

Authorized Signature/Name**Title****Date****VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM**



REQUIRED FORMS

- Lobbyist Registration*
- Litigation Form*
- CBE Goals*
- Subconsultant Req. Form*
- Financial Statements
- FL Certificate of Standing
- Affiliated Entities*
- Proof of Insurance
- Vendor Questionnaire*
- Agreement Exception Form*
- Vendor Rights*
- Domestic Partnership Form*

**All forms have been accepted via BidSync*

Supplier Response Form**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:

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Authorized Signature/Name:

Date:

Title:

Vendor Name:

Supplier Response Form

LITIGATION HISTORY FORM

The completed form(s) 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. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- ☒ There are no material cases for this Vendor; or
☐ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	<input type="text"/>
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/> Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name: M.C. Harry & Associates Inc.

Supplier Response Form**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.



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 Consultant Services for FLL and HWO Airports, Building Projects

Bidder/Offeror Name: M.C. Harry & Associates Inc.

Address: 2780 SW Douglas Road #302 **City:** Miami **State:** FL **Zip:** 33133

Authorized Representative: Craig Aquart, AIA CSI Principal **Phone:** 305-445-3765 X137

CBE Firm/Supplier Name: Atlas Safety & Security Design Inc.

Address: 333 Las Olas Way **City:** Fort Lauderdale **State:** FL **Zip:** 33301

Authorized Representative: Randy I. Atlas Ph.D., FAIA, CPP **Phone:** 305-332-6588

- 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
Blast Analysis/Safety & Security			2.00 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Digital Signature: 2780 SW Douglas Road #302, Miami, FL 33133; MCHARRY@MCHARRY.COM; 305-445-3765; 305-445-3765 X137
DN: cn=MCHARRY, o=MCHARRY, ou=MCHARRY, email=MCHARRY@MCHARRY.COM, c=US, emailAddress=305-445-3765 X137, serialNumber=305-445-3765 X137, version=3
Signature: _____ Title: President Date: 03/23/2021

Bidder/Offeror Authorized Representative

Signature:  _____ Title: Principal Date: 03/23/2021

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.

Rev.: June 2018

Compliance Form No. 004

**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 Consultant Services for FLL and HWO Airports, Building Projects

Bidder/Offeror Name: M.C. Harry & Associates Inc.

Address: 2780 SW Douglas Road #302 City: Miami State: FL Zip: 33133

Authorized Representative: Craig Aquart, AIA CSI Principal Phone: 305-445-3765 X137

CBE Firm/Supplier Name: Master Consulting Engineers

Address: 4101 Ravenswood Road, Suite 307 City: Fort Lauderdale State: FL Zip: 33312

Authorized Representative: Robert Bell Phone: 954-210-7671

- 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
Structural Engineering			5.00 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: [Signature] Title: Principal Date: 3/23/2021

Bidder/Offeror Authorized Representative

Signature: [Signature] Title: Principal Date: 03/23/2021

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.

Rev.: June 2018

Compliance Form No. 004



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 Consultant Services for FLL and HWO Airports, Building Projects

Bidder/Offeror Name: M.C. Harry & Associates Inc.

Address: 2780 SW Douglas Road #302 **City:** Miami **State:** FL **Zip:** 33133

Authorized Representative: Craig Aquart, AIA CSI Principal **Phone:** 305-445-3765 X137

CBE Firm/Supplier Name: Engenuity Group, Inc.

Address: 300 Lock Road, Suite 302 **City:** Deerfield Beach **State:** FL **Zip:** 33442

Authorized Representative: C. Andre Rayman, PSM, President **Phone:** 561-655-1151

- 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
Civil/Land Surveying & Mapping			3.00 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: C. Andre Rayman, PSM *Digitally signed by C. Andre Rayman, PSM
Date: 2021.03.23 13:31:03 -0400* **Title:** President **Date:** 03/23/2021

Bidder/Offeror Authorized Representative

Signature:  **Title:** Principal **Date:** 03/23/2021

¹ Visit [Census.gov](https://www.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.

Rev.: June 2018

Compliance Form No. 004



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 Consultant Services for FLL and HWO Airports, Building Projects

Bidder/Offeror Name: M.C. Harry & Associates Inc.

Address: 2780 SW Douglas Road #302 **City:** Miami **State:** FL **Zip:** 33133

Authorized Representative: Craig Aquart, AIA CSI Principal **Phone:** 305-445-3765 X137

CBE Firm/Supplier Name: Hammond & Associates

Address: 150 NW 70th Ave, Suite #10 **City:** Plantation **State:** FL **Zip:** 33317

Authorized Representative: Eric Hammond **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
Mechanical/Electrical/Fire Protection/Lighting/Fuel	54		20.00 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: [Signature] **Title:** President **Date:** 03/26/2021

Bidder/Offeror Authorized Representative

Signature: [Signature] **Title:** Principal **Date:** 03/23/2021

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.

Rev.: June 2018

Compliance Form No. 004

Supplier Response Form**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:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

 bold line separating sections

2. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

Required Forms
Subconsultant Requirement Form

3. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

   4. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

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

<input type="text" value="Craig Aquart"/>	<input type="text" value="Principal"/>	<input type="text" value="M.C.Harry & Associates Inc."/>
<input type="text" value="3/23/2021"/>		
Authorized Signature/Name	Title	Vendor Name
		Date

State of Florida

Department of State

I certify from the records of this office that M.C. HARRY AND ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on March 24, 1983.

The document number of this corporation is G30512.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 9, 2021, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Fifteenth day of January, 2021*



Ronald R. DeSantis
Secretary of State

Tracking Number: 0089188739CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Supplier Response Form**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:

Title:

Vendor Name:

Date:



CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)
12/29/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER RSC Insurance Brokerage, Inc. 3350 S Dixie Hwy Miami FL 33133		CONTACT NAME: PHONE (A/C, No. Ext): (305) 446-2271 FAX (A/C, No): E-MAIL ADDRESS: MIA-Certificates@risk-strategies.com	
INSURED M.C. Harry & Associates, Inc. 2780 SW Douglas Rd, Suite 302 Miami FL 33133		INSURER(S) AFFORDING COVERAGE INSURER A: Depositors Insurance Company 42587 INSURER B: Zenith Insurance Company 13269 INSURER C: Scottsdale Insurance Company 41297 INSURER D: INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: CL20122989349

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			ACP3028549037	1/1/2021	1/1/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			ACP3028549037	1/1/2021	1/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			ACP3028549037	1/1/2021	1/1/2022	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	Z137349101	1/1/2021	1/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability Retroactive Date 07/08/1978			JES0000042 \$25,000 Deductible Each Claim	7/8/2020	7/8/2021	Aggregate \$5,000,000 Each Claim \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Proof of Insurance	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE M Christian/CLAFER <i>M.C. Christian</i>

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 ACORD 25 (2014/01)
 INS025 (2014/01)

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Supplier Response Form

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: M.C. Harry & Associates Inc.
2. Doing Business As/Fictitious Name (if applicable): M.C. Harry & Associates Inc.
3. Federal Employer I.D. no. (FEIN): 592281430
4. Dun and Bradstreet No.: 026423525
5. Website address (if applicable): www.mcharry
2780 SW Douglas Road Ste.302
Miami, FL 33133
6. Principal place of business address:
2780 SW Douglas Road Ste.302
Miami, FL 33133
7. Office location responsible for this project:
8. Telephone no.: 3054453765 Fax no.: 305-446-9805
9. Type of business (check appropriate box):
 - ☒ Corporation (specify the state of incorporation): Miami-Dade
 - ☐ Sole Proprietor
 - ☐ Limited Liability Company (LLC)
 - ☐ Limited Partnership
 - ☐ General Partnership (State and County filed in)
 - ☐ Other – Specify G30512 - Division of Corporations
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) Lourdes Solera, FAIA
 - b) Craig Aquart, AIA, CSI
 - c)
 - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:
 - Name: Elena Costa
 - Title: Marketing Coordinator
 - E-mail: ecosta@mcharry.com
 - Telephone No.: 7863031708
 - Name: Craig Aquart
 - Title: Principal
 - E-mail: caquart@mcharry.com
 - Telephone No.: 786-280-7896
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)

Required Forms
Vendor Questionnaire

- ☒ 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:

Craig Aquart, AIA CSI	Principal	3/12/21
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE

Vendor Name: M.C. Harry & Associates

* I certify that I am authorized to sign this solicitation response on behalf of the Vendor as indicated in Certificate as to 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 Response Form**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
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Vendor Name: M.C. Harry & Associates Inc.

Supplier Response Form



Finance and Administrative Services Department
PURCHASING DIVISION

116 S. Andrews Avenue, Room 212 • Fort Lauderdale, Florida 33301 • 954-357-6066 • FAX 954-357-6636

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. Bogan • Lamar P. Fisher • Brian Furr • Steve Geller • Dale V.C. Holmes • Nan H. Rich • Tim Ryan • Barbara Sheale • Michael Utting
www.broward.org

Supplier Response Form**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).

Craig Aquart, AIA
Authorized Signature/Name

Principal
Title

M.C. Harry & Associates Inc
Vendor Name

3/12/21
Date

Supplier: **M.C. Harry Associates, 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 to 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 to 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:

$$\frac{(\text{Lowest Proposed Price} / \text{Vendor's Price}) \times (\text{Maximum Number of Points for Price})}{1} = \text{Price Score}$$
 - 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: M.C. Harry Associates, 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: M.C. Harry Associates, 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: **M.C. Harry & Associates Inc.**
2. Doing Business As/Fictitious Name (if applicable): **M.C. Harry & Associates Inc.**
3. Federal Employer I.D. no. (FEIN): **592281430**
4. Dun and Bradstreet No.: **026423525**
5. Website address (if applicable): **www.mcharry**
6. Principal place of business address: **2780 SW Douglas Road Ste.302
Miami, FL 33133**
7. Office location responsible for this project: **2780 SW Douglas Road Ste.302
Miami, FL 33133**
8. Telephone no.: **3054453765** Fax no.: **305-446-9805**
9. Type of business (check appropriate box):
 - ☒ Corporation (specify the state of incorporation): **Miami-Dade**
 - ☐ Sole Proprietor
 - ☐ Limited Liability Company (LLC)
 - ☐ Limited Partnership
 - ☐ General Partnership (State and County filled in)
 - ☐ Other – Specify **G30512 - Division of Corporations**
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) **Lourdes Solera, FAIA**
 - b) **Craig Aquart, AIA, CSI**
 - c)
 - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:
Name: **Elena Costa**
Title: **Marketing Coordinator**
E-mail: **ecosta@mcharry.com**
Telephone No.: **7863031708**

Name: **Craig Aquart**
Title: **Principal**
E-mail: **caquart@mcharry.com**
Telephone No.: **786-280-7896**
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:

Craig Aquart, AIA CSI

*AUTHORIZED SIGNATURE/NAME

Principal

TITLE

3/12/21

DATE

Vendor Name: **M.C. Harry & Associates**

* 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: M.C. Harry Associates, 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:

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Authorized Signature/Name: Craig Aquart, AIA, CSI Date: 3/12/21

Title: Principal

Vendor Name: M.C. Harry & Associates Inc.

Supplier: M.C. Harry Associates, Inc.

LITIGATION HISTORY FORM

The completed form(s) 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. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- ☒ There are no material cases for this Vendor; or
☐ Material Case(s) are disclosed below:

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	
Brief description of the Subject Matter and Project Involved	
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/> Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: M.C. Harry & Associates Inc.

Supplier: **M.C. Harry Associates, 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).

Craig Aquart, AIA	Principal	M.C. Harry & Associates Inc.	3/12/21
Authorized Signature/Name	Title	Vendor Name	Date

Supplier: **M.C. Harry Associates, 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: **Craig Aquart**

Title: **Principal**

Vendor Name: **M.C. Harry & Associates, Inc.**

Date: **3/12/21**

Supplier: **M.C. Harry Associates, 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: **Craig Aquart**

TITLE: **Principal**

VENDOR NAME: **M.C. Harry & Associates Inc.**

DATE: **3/12/2021**

Supplier: M.C. Harry Associates, 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: M.C. Harry & Associates Inc.


Supplier: **M.C. Harry Associates, 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: **Miller Legg & Associates**

Subcontracted Firm's Address: **5747 N. Andrews Way Ft.Lauderdale, FL 33309**

Subcontracted Firm's Telephone Number: **954-436-7000**

Contact Person's Name and Position: **Cara Pasquale, Director of Bus.Development**

Contact Person's E-Mail Address: **cpasquale@millerlegg.com**

Estimated Subcontract/Supplies Contract Amount: **N/A**

Type of Work/Supplies Provided: **Environmental Engineering, SUE, Landscape**

 bold line separating sections

2. Subcontracted Firm's Name: **Keith**

Subcontracted Firm's Address: **301 East Atlantic Boulevard Pompano Beach, FL 33060**

Subcontracted Firm's Telephone Number: **954-788-3400**

Contact Person's Name and Position: **Alex Lazowick, PE President**

Contact Person's E-Mail Address: **alazowick@keithteam.com**

Estimated Subcontract/Supplies Contract Amount: **N/A**

Type of Work/Supplies Provided: **Transportation & Traffic Engineering**

3. Subcontracted Firm's Name: **Connico Incorporated**

Subcontracted Firm's Address: **2594 N Mount Juliet Road, Mount Juliet TN 37122**

Subcontracted Firm's Telephone Number: **615-758-7474**

Contact Person's Name and Position: **Connie S. Gowder**

Contact Person's E-Mail Address: **connie.gowder@connico.com**

Estimated Subcontract/Supplies Contract Amount: **N/A**

Type of Work/Supplies Provided: **Cost Estimating**



bold

4. Subcontracted Firm's Name: **Terracon**

separating

sections Subcontracted Firm's Address: **5371 NW 33 Avenue Ste.201 Ft.Lauderdale, FL 33309**

Subcontracted Firm's Telephone Number: **954-703-1866**

Contact Person's Name and Position: **Steven A. Harrison, Sr. Associate**

Contact Person's E-Mail Address: **steven.harrison@terracon.com**

Estimated Subcontract/Supplies Contract Amount: **N/A**

Type of Work/Supplies Provided: **Geotechnical/Env.Engineering/Material Testing**

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

Craig Aquart **Principal** **M.C.Harry & Associates Inc.** **3/23/2021**

Authorized Signature/Name

Title

Vendor Name

Date

Supplier: M.C. Harry Associates, 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

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: M.C. Harry & Associates Inc.

Craig Aquart, AIA CSI
Authorized Signature/Name

Principal
Title

3/18/21
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

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: **M.C. Harry Associates, 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