ACAI Associates, Inc.

Bid Contact **Ellen Sespaniak**
marketing@aecmworld.com
Ph 954-484-4000

Address **2937 W. Cypress Creek Road**
Suite 200
Fort Lauderdale, FL 33309

Supplier Code VC0000031125

Qualifications **DBE MBE**

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**

ACAI Associates, Inc.

Item: **Professional Consultant Services**

Attachments

ACAI Associates, Inc. - Professional Consulting Services for FLL and HWO Airports - LR.pdf



Broward County Board of Commissioners

Professional Consulting Services for FLL and HWO Airports Building Projects

Soliciation No.
PNC2120437P1

Due Date
April 21, 2021

ACAI Sales Number
SA2402

ACAI
acaiarchitects.com

2937 W. Cypress Creek Rd. #200
Fort Lauderdale, FL 33309
(954) 484 4000
Adolfo J. Cotilla, Jr., AIA, CGC
adolfo@aecmworld.com

BROWARD COUNTY FLORIDA

Cover Letter

April 21, 2021

Ms. Melissa Cuevas
Purchasing Agent
Purchasing Division

Mr. Salustio Jaramillo
Purchasing Agent
Purchasing Division

Re: Professional Consultant Svcs. for FLL and HWO Airports, Building Projects

Dear Ms. Cuevas, Mr. Jaramillo, and Members of the Selection Committee,

As we take strides towards recovery from these difficult times, this is an excellent time to further implement Broward County's vision for the future of Fort Lauderdale-Hollywood International Airport (FLL) as a first-rate worldwide airport. FLL has expended a great deal of time, effort, planning and attention to detail to issue this Professional Consultant Services solicitation. ACAI and our team are committed to bringing that same level of Work to delivering the Building Projects.

With the growing travel, passengers have more and more choices about where and how they get places. it is imperative that FLL is a modern, pristine facility in which passengers feel safe and comfortable with easy circulation and pleasant venues. To realize FLL's vision, all spaces must be utilized to their maximum efficiency.

The Building Projects will replace, preserve, update, or add "wow" to outdated facilities, parking garages and In-line Baggage Systems. Security infrastructure will also be an important design concern. We will apply our certified staffs' skills in Crime Prevention Through Design to create both active and passive safer spaces within the airport.

ACAI's Team brings decades of valuable work experience from working at Florida's major hub airports. Currently, at FLL, we are working on enabling projects, programming, designing a Bag Hall, and conducting renovations for CBP at Terminal 4 FIS. ACAI is also providing service at MIA for roofing consulting, CBIS facilities, planning WOW projects for the passenger experience at the new FIS baggage hall, and the complete makeover of Gate D-60 for its replacement project!

In the past thirty years our airport work has included modifying, enhancing, designing, renovating, reroofing, and developing criteria, guidelines and standards for ancillary facilities, work product and terminals. Our work includes master planning terminal and airport expansions, Air traffic Control Towers, Air Rescue Fire Fighting Facilities, Administration Complexes, taxi holding lots, major FIS and CBIS expansions, GEC ID/IQ work, developing design guidelines and standards for terminals, tenants, and BIM project delivery. ACAI has provided services at FLL, MIA, MCO, TPA, PBI, and at major General Aviation Airports -- FXE, OPF, HWO – and at Homestead Air Reserve Base.

We understand the sensitive nature of crowd movement and the impact that poor "real space planning" can cause. Areas and people-flow should be ergonomic to encourage their comfortable co-existence in an airport. ACAI will also consider the interaction with current and future planned airport transportation efforts. With ACAI's extensive transportation experience from multi-modal to light rail, we know how to effectively move people from point A to B to C. Our team of architects, engineers, BIM, CPTED, and LEED accredited professionals is intimately familiar with the design, engineering, operational, safety and sustainability considerations of airports and their ancillary facilities.

FLL must remain fully operational during these projects, so many tasks will require phasing and "enabling" sub-projects to maintain uninterrupted operations. We have performed numerous enabling projects during our recent efforts at T4 and bring that immediate, real world experience to the project.





590+
Years of Overall Experience



440+
Years of Aviation Experience



450+
Total Airports Serviced



8000+
Total Aviation Projects



1230+
Total LEED Projects

Cover Letter

Technology must be leveraged to achieve efficient, effective workflow in all design phases. ACAI has the know-how to deliver. By using Virtual Design and Construction technology to capture reality and deliver its vision in highly communicative 3-D, users are enabled to review the Work and see it develop.

The workload will be on-call. ACAI has been delivering tasks with these indefinite delivery/indefinite quantities (IDIQ) type contracts since 1985; which generates 77% of our annual revenue. Transitional spaces and social interaction areas are often overlooked elements in air travel. In our projects, where shared areas and functions are prevalent, we enhance volumes and spaces through careful planning and design, defining spaces through selection of finishes, functions and furnishings, light and colors and leveraging technology to make areas both visually shared and independently dynamic. The "waiting for the plane" experience would benefit tremendously from this approach. With the current COVID-19 concerns, this additional attention to planning will be necessary to minimize exposure.

We utilize a multi-pronged approach to address multiple tasks simultaneously. We evaluate existing documentation; expand and enhance the site documentation, as needed, via reality capture and a point-cloud scan. This allows us to "virtually" take the site with us to work and design in scan2BIM format. In the case of ground-up design, we will perform a zoning and site analysis, verify and update scope, existing utilities, and systems. If needed, we will perform a preliminary parametric analysis and use this information to develop studies – geometry vs material efficiencies -- to develop preliminary design options. We engage in early meetings with the agencies having jurisdiction as quickly as feasible to keep all players in a fully transparent loop. We promote a BIM2FM and COBie project delivery approach and incorporate these along with the BIM standards.

Our team will be led by **Adolfo J. Cotilla, AIA, CGC,** as Principal-in-Charge; **Paul Pannier, AIA, LEED AP,** as Sr. Project Manager and Project Executive; **Bruce Davis, RA, LEED GA** and **Galen VonGleich, RA, LEED AP** as Group Leaders: Pre-Design, Design; **Betty Loynaz, AIA, CBC, LEED AP BD+C,** as Project Manager and Permit Subject Matter Expert; **Rafael Oranday, LEED AP BD+C**, as Group Leader: Technical, Project Delivery and Permit Expediting; **Brian Spence, BCS,** as Group Leader: VDC, Project Delivery; **Leon Cases, AIA,** as PMCM Manager; **José Daza** as Project Management Post-Design; **Larry M. Schneider, AIA** as subject matter experts on ADA matters; and **Ed Williams, RRC, RRO,** as Staff Consultant and subject matter expert: Design Building Envelope.

ACAI's consultants bring the latest in engineering, surveying, baggage systems handling, blast analysis and design, commissioning, 3D rendering, fuel system design, and building flood proofing design in airports and other complex facilities. Most of our consultants have a long and successful tenure together and several of them are Broward County CBEs.

ACAI and our consultants' professional experience covers multiple scope of work services required for this contract. Their experience along with ACAI's **affords us the luxury of working on projects concurrently.** To increase production effectiveness, coordination, and accuracy, we propose designing all tasks in BIM 360, a powerful real time collaboration tool which allows many people and disciplines to work remotely on the same documents simultaneously. ACAI was selected nationally by Autodesk in 2014 to Beta test this very powerful Revit software package.

An Equal Opportunity Employer and small business enterprise certified as a DBE, SBE, and MBE, ACAI is committed to preparing the work for the Professional Consultant Services for FLL and HWO Airports, Building Projects on-time, on-budget and to help Broward County deliver its vision for FLL.

When the ACAI team is selected, the County will benefit from the latest in technology delivering these designs. We look forward to the opportunity of presenting our credentials in further detail and to the opportunity to participate in this exciting project.

Sincerely,
ACAI ASSOCIATES, INC.



Adolfo J. Cotilla, Jr., AIA
Principal-in-Charge / President



Table of Contents

I don't think that architecture is only about shelter, is only about a very simple enclosure. It should be able to excite you, to calm you, to make you think.

– Zaha Hadid

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Section A: Responsiveness Criteria

ACAI
architecture • engineering
acaiarchitects.com

Section A: Responsiveness Criteria

Lobbyist Registration

DPX Form

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: Stephan Benson
Lobbyist's Firm:
Phone: 954-822-4891
E-mail: stephanbenson79@gmail.com

Name of Lobbyist:
Lobbyist's Firm:
Phone:
E-mail:

Authorized Signature/Name: Adolfo J. Cotilla, Jr. **Date:** 3/25/2021

Title: President

Vendor Name: ACAI Associates, Inc.

Section A: Responsiveness Criteria

Addenda

Addendum # 1 - made on Mar 16, 2021 9:59:58 AM EDT

Previous Bid End Date: Mar 31, 2021 2:00:00 PM EDT **New Bid End Date:** Apr 07, 2021 2:00:00 PM EDT
Description/Bid Comments: (Information was added)

Addendum # 2 - made on Mar 23, 2021 2:58:20 PM EDT

Previous Bid End Date: Apr 07, 2021 2:00:00 PM EDT **New Bid End Date:** Apr 21, 2021 2:00:00 PM EDT
Description/Bid Comments: (Information was added)
Removed Documents: List of Prime Consultants and Subconsultants for RFP No. PNC2115981P1, Airport Studies, Evaluations and Assessment..pdf
New Documents: List of Prime Consultants and Subconsultants for RFP No. PNC2115981P1 Airport Studies Evaluations and Assessment_.pdf



Section B: Responsibility Criteria

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

[X] There are no material cases for this Vendor; or
[ ] Material Case(s) are disclosed below:

Is this for a: (check type) [ ] Parent, [ ] Subsidiary, or [ ] Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No [ ]
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy [ ] Civil [ ] Criminal [ ] [ ]
Count	
Involved	
Judgment.)	Pending [ ] [ ] Dismissed [ ] Judgment Vendor's Favor [ ] Judgment Against Vendor [ ] [ ] Yes [ ] No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: ACAI Associates, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: ABA-CON Inc

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

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Party	
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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ Administrative/Regulatory ☐
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 ☐ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Absolute Civil Engineering Solutions, LLC

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Blast Deflectors, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Biagi & Associates Engineering, LLC

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: BMA Consulting Engineering, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Coastal Risk Consulting LLC

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Cost Management Inc. dba CMI

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
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Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Delta G Consulting Engineers, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Delta Q Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: DESMAN, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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	Or No [ ]
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy [ ] Civil [ ] Criminal [ ] [ ]
Count	
Involved	
Judgment.)	Pending [ ] [ ] Dismissed [ ] Judgment Vendor's Favor [ ] Judgment Against Vendor [ ] [ ] Yes [ ] No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: ENGINEERING CONSORTIUM, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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	Or No [ ]
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy [ ] Civil [ ] Criminal [ ] [ ]
Count	
Involved	
Judgment.)	Pending [ ] [ ] Dismissed [ ] Judgment Vendor's Favor [ ] Judgment Against Vendor [ ] [ ] Yes [ ] No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Graef-USA Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: GSLA Design, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☑
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ Administrative/Regulatory ☐
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 ☐ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Illustrate My Design LLC

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

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Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: JSM & Associates, LLC

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	16-23787
Name of Court or other tribunal	Miami Dade County
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	Disposition of Case. The case has settled with no admission of liability, fault, culpability, or indemnity. The Court, upon review of the settlement agreement, will enter a dismissal with prejudice. Vendor was voluntarily dismissed form the case with prejudice. The terms of the settlement agreement are confidential.
Brief description of the Subject Matter and Project Involved	Millennium Condominium Association vs. 18555 Developers, LLC, et. al.
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☐ Settled ☐ Dismissed ☑ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

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☑ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	18-005702 CA
Name of Court or other tribunal	Miami Dade Circuit Court
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	NV5 believes that it has no liability in this matter. This matter shall have no impact whatsoever on NV5's ability to perform services set forth in this RFP.
Brief description of the Subject Matter and Project Involved	W&K Investments, LLC vs. NV5, Inc.
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☑ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	CACE-18-22957
Name of Court or other tribunal	Broward County
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	Disposition of Case. This case is still pending. Vendor believes it has no liability and this matter shall not affect its services on this Proposal.
Brief description of the Subject Matter and Project Involved	Shorter vs. The Marker Group, LLC et. al.
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☑ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	CACE-19-006383 (02)
Name of Court or other tribunal	Broward County
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	Disposition of Case. This case is still pending. Vendor believes it has no liability and this matter shall not affect its services on this Proposal.
Brief description of the Subject Matter and Project Involved	Canino's Karate and Boxing Studio, Inc. vs. The Marker Group, LLC
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☑ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

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☐ There are no material cases for this Vendor; or

☑ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	19-008186
Name of Court or other tribunal	Broward County
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	NV5 believes that it has no liability in this matter. This matter shall have no impact whatsoever on NV5's ability to perform services set forth in this RFP.
Brief description of the Subject Matter and Project Involved	Bofill Jewelry Studio, Inc. vs. Marker Group, LLC, et. al.
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☑ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No ☐
Party	
Case Number, Name, and Date Filed	19-012836
Name of Court or other tribunal	Miami-Dade County Circuit Court
Type of Case	Bankruptcy ☐ Civil ☑ Criminal ☐ Administrative/Regulatory ☐
Claim or Cause of Action and Brief description of each Count	NV5 believes that it has no liability in this matter. This matter shall have no impact whatsoever on NV5's ability to perform services set forth in this RFP.
Brief description of the Subject Matter and Project Involved	One Ocean Condominium vs. TRG – Block One Ltd., et. al.
Disposition of Case (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending ☑ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Confidential Email: Telephone Number:

Vendor Name: NV5, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

☐ There are no material cases for this Vendor; or
☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☒
Party	
Case Number, Name, and Date Filed	CACE-16-14678 Pines v. SPF Roofing; QuEST; ERM; Gaco
Name of Court or other tribunal	17th Judicial Circuit, Broward County
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ ☐
Count	Involved Fire Rating of Gaco Roof System installed
Involved	Installation of SPF system on a sloped roof
Judgment.)	Pending ☐ ☒ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Quest Engineering Services & Testing, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

[X] There are no material cases for this Vendor; or
[ ] Material Case(s) are disclosed below:

Is this for a: (check type) [ ] Parent, [ ] Subsidiary, or [ ] Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No [ ]
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy [ ] Civil [ ] Criminal [ ] [ ]
Count	
Involved	
Judgment.)	Pending [ ] [ ] Dismissed [ ] Judgment Vendor's Favor [ ] Judgment Against Vendor [ ] [ ] Yes [ ] No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: S&F Engineers, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners Bid PNC2120437P1

LITIGATION HISTORY FORM

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[X] There are no material cases for this Vendor; or
[ ] Material Case(s) are disclosed below:

Is this for a: (check type) [ ] Parent, [ ] Subsidiary, or [ ] Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor:
	Or No [ ]
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy [ ] Civil [ ] Criminal [ ] [ ]
Count	
Involved	
Judgment.)	Pending [ ] [ ] Dismissed [ ] Judgment Vendor's Favor [ ] Judgment Against Vendor [ ] [ ] Yes [ ] No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Smith Engineering Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Spinnaker Group

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

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☒ There are no material cases for this Vendor; or
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Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: ☐ Or No
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Stoner & Associates, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

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☐ There are no material cases for this Vendor; or
☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: T.Y. Lin International Or No ☒
Party	
Case Number, Name, and Date Filed	CACE 13-027283 Burke Construction Group, Inc. v. School Board of Broward County FL - 4/17/2015
Name of Court or other tribunal	Circuit Court for the 17th Judicial Circuit in and for Broward County, Florida
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ ☐
Count	Contractor claims against owner and others. Third Party Complaint filed against designer TYLI.
Involved	Sheridan Tech Center Broward County School District
Judgment.)	Pending ☐ ☒ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: David R. Elder, Kerry H. Lewis, Elder & Lewis, PA Email: Telephone Number: (305) 667-4774

Vendor Name: T.Y. Lin International

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Metro South Senior Apartments L.P., et al. v. Terracon Consultants, Inc., 17-026219-CA-01
Name of Court or other tribunal	U.S. District Court for the Southern District of Florida
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Contractor for senior living center has alleged increased costs due to dewatering demands during construction.
Brief descripon of the Subject Ma er and Project Involved	Contractor for senior living center has alleged increased costs due to dewatering demands during construction.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☒ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Oscar Soto Email: oscar@sotolawgroup.com Telephone Number: (954) 567-1776

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Prairie Lake Reserve Community Association, Inc. v. Park Square Enterprises, LLC, 2017-CA-002349-O
Name of Court or other tribunal	Circuit Court of Orange County, FL
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Residential HOA sued developer and various project participants alleging construction defects.
Brief descripon of the Subject Ma er and Project Involved	Terracon was added as a defendant despite the fact that our work was not at issue in this claim which related to residential common areas. Plaintiff later voluntarily dismissed Terracon from the lawsuit.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☐ Dismissed ☒ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Jessica O'Reilly Email: Telephone Number: (407) 455-5664

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Sanchez, Garcia v. Terracon, 17-CA-7263
Name of Court or other tribunal	Circuit Court of Hillsborough County, FL
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations. This lawsuit was dismissed and judgment entered in Terracon's favor.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☐ Dismissed ☒ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: John Adams Email: Telephone Number: (813) 662-7788

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

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Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Dunkelberger Engineering & Testing, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Southshore Falls Homeowners Association v. Pulte Home Corp., 16-CA-011202
Name of Court or other tribunal	Hillsborough County, Florida
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Plaintiff alleges certain defects associated with the construction of a residential development.
Brief descripon of the Subject Ma er and Project Involved	Plaintiff alleges certain defects associated with the construction of a residential development.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☒ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Evan Small Email: esmall@balljanik.com Telephone Number: (407) 455-5664

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

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Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	ASAP Installations v. Clean Harbors Environmental Services, Hillsborough County, 2019-CA-010713.
Name of Court or other tribunal	Circuit Court of Hillsborough County, FL
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Plaintiff is seeking an unwarranted change order in connection with their poor performance. Terracon denies any liability and is defending the claims.
Brief descripon of the Subject Ma er and Project Involved	Plaintiff is seeking an unwarranted change order in connection with their poor performance. Terracon denies any liability and is defending the claims.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☒ Sele d ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Jill Bechtold Email: jbechtold@sgrlaw.com Telephone Number: (904) 598-6390

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Quiles v. Terracon, Hernando County, 2019-CA-386.
Name of Court or other tribunal	Circuit Court, Hernando County, Florida
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations. This lawsuit was dismissed and judgment entered in Terracon's favor.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations. This lawsuit was dismissed and judgment entered in Terracon's favor.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☐ Dismissed ☒ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Chris Palermo Email: dpelaez@palermopa.com Telephone Number: (813) 221-5636

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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☐ There are no material cases for this Vendor; or
☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Vickers v. Terracon, Hernando County, 2019-CA-1259.
Name of Court or other tribunal	Circuit Court, Hernando County, Florida
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations. This lawsuit was dismissed and judgment entered in Terracon's favor.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by individual homeowner against Terracon for sinkhole remediation recommendations. This lawsuit was dismissed and judgment entered in Terracon's favor.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☐ Sele d ☐ Dismissed ☒ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Chris Palermo Email: dpelaez@palermopa.com Telephone Number: (813) 221-5636

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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☐ There are no material cases for this Vendor; or
☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Waterside Pointe HOA v. Ryland Group, Lake County, 35-2017-CA-002210.
Name of Court or other tribunal	Circuit Court for Lake County
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by residential homeowners association regarding claimed defects to common areas. Terracon denies any liability and is defending the claims.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by residential homeowners association regarding claimed defects to common areas. Terracon denies any liability and is defending the claims.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☒ Sele d ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Andrew Celauro Email: acelauro@pbblawoffices.com Telephone Number: (407) 636-7700

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

LITIGATION HISTORY FORM

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☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	DCS Real Estate Investments v. Huitt-Zollars, 2020-CA-004122.
Name of Court or other tribunal	Circuit Court of Palm Beach County
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by hotel developer against architect and design team regarding contractor's cost overruns. Terracon denies any liability and is defending the claims.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by hotel developer against architect and design team regarding contractor's cost overruns. Terracon denies any liability and is defending the claims.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☒ Sele d ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Anastasios Spyredes Email: servicedocuments@spylaw.net Telephone Number: (561) 405-9000

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor's submi al. If not provided with submi al, 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 me frames.

☐ There are no material cases for this Vendor; or

☒ Material Case(s) are disclosed below:

Is this for a: (check type) ☒ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Terracon Consultants, Inc. Or No ☐
Party	Defendant
Case Number, Name, and Date Filed	Miralago Estates I Neighborhood Assoc. v. Lennar Homes, et al., Broward County Circuit Court, 20-018176.
Name of Court or other tribunal	Broward County Circuit Court
Type of Case	Bankruptcy ☐ Civil ☒ Criminal ☐ Administrav e/Regulatory ☐
Claim or Cause of Acon and Brief descripon of each Count	Lawsuit brought by homeowners association against developer and project partici-pants alleging deficiencies in common areas.
Brief descripon of the Subject Ma er and Project Involved	Lawsuit brought by homeowners association against developer and project partici-pants alleging deficiencies in common areas.
Disposion of Case (A ach copy of any applicable Judgment, Sele ment Agreement and Sas facon of Judgment.)	Pending ☒ Sele d ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Sas fied? ☐ Yes ☐ No
Opposing Counsel	Name: Barry Ansbacher Email: Telephone Number: (904) 737-4600

Vendor Name: Terracon Consultants, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of
County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

[X] There are no material cases for this Vendor; or
[ ] Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: The Chappell Group, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

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) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ Administrative/Regulatory ☐
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 ☐ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Thompson & Associates, Inc., Civil Engineering

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

☒ There are no material cases for this Vendor; or
☐ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Traf Tech Engineering, Inc.

Section B: Responsibility Criteria

Litigation History

Broward County Board of County Commissioners

Bid PNC2120437P1

LITIGATION HISTORY FORM X

submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply

X There are no material cases for this Vendor; or
☐ Material Case(s) are disclosed below:

Is this for a: (check type) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ ☐
Count	
Involved	
Judgment.)	Pending ☐ ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: Unicom Goverment

Section B: Responsibility Criteria

Litigation History

Broward County Board of
County Commissioners

Bid PNC2120437P1

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) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ Administrative/Regulatory ☐
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 ☐ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: CC American Enterprises LLC
/ DBA. Us Utility Potholing + Air Excavation,

Section B: Responsibility Criteria

Authority to Conduct Business in Florida

State of Florida
Department of State

I certify from the records of this office that ACAI ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 22, 1985.

The document number of this corporation is H39075.

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 February 3, 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 Third day of February, 2021

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Secretary of State

Tracking Number: 6597420241CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Section B: Responsibility Criteria

Authority to Conduct Business in Florida

Ron DeSantis, Governor

Halsey Beshears, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF ARCHITECTURE & INTERIOR DESIGN

THE ARCHITECT HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

COTILLA, ADOLFO JR

ACAI ASSOCIATES INC
2937 W CYPRESS CREEK ROAD SUITE 200
FORT LAUDERDALE FL 33309

LICENSE NUMBER: AR0008011

EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Section B: Responsibility Criteria

Insurance Requirements

ACAIASS-01 HADJA1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/18/2020

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 have ADDITIONAL INSURED provisions or 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 Corporate Insurance Advisors, LLC 1401 E. Broward Blvd. Suite 103 Fort Lauderdale, FL 33301	CONTACT NAME: PHONE (A/C, No, Ext): (954) 315-5000 FAX (A/C, No): (954) 315-5050 E-MAIL ADDRESS: service@ciafl.net
INSURED Acai Associates, Inc., 2937 West Cypress Creek Road Suite #200 Ft Lauderdale, FL 33309	INSURER A : Continental Casualty Co. 20443 INSURER B : Continental Insurance Company 35289 INSURER C : Evanston Insurance Co. 35378 INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **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	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:			5084967977	9/18/2020	9/18/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS HIRED AUTOS ONLY NON-OWNED AUTOS ONLY			5088541457	9/18/2020	9/18/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			5088541474	9/18/2020	9/18/2021	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $
C	Professional Liab			MKLV7PL0004358	9/18/2020	9/18/2021	Each Occurrence	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Sample Certificate of Insurance

CERTIFICATE HOLDER

Acai Associates, Inc.
2937 West Cypress Creek Road
Suite #200
Fort Lauderdale, FL 33309

CANCELLATION

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

ACORD 25 (2016/03)

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INSURED COPY

Section B: Responsibility Criteria

Insurance Requirements

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/23/2020

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 have ADDITIONAL INSURED provisions or 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	CONTACT NAME:	
Arthur J. Gallagher Risk Services for CoAdvantage Jeffrey Rendel 250 Tequesta Drive Tequesta, FL 33418	PHONE (A/C, No, Ext): (866) 854-5423	FAX (A/C, No):
	E-MAIL ADDRESS: coi@coadvantage.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : American Zurich Insurance Company	40142
INSURED CoAdvantage Corporation Alt. Emp: ACAI Associates Inc 3350 Buschwood Park Drive #200 Tampa, FL 33618	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 20FL090911142 **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	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N ☐ (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC 56-11-942-06	04/01/2020	04/01/2021	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 2,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 2,000,000
							E.L. DISEASE - POLICY LIMIT	$ 2,000,000
				Location Coverage Period:	04/01/2020	04/01/2021	**Client#** 21760-FL	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage is provided for only those co-employees of, but not subcontractors to:
ACAI Associates Inc
2937 W Cypress Creek Rd # 200
Fort Lauderdale, FL 33309

CERTIFICATE HOLDER

ACAI Associates Inc
2937 W Cypress Creek Rd # 200
Fort Lauderdale, FL 33309

CANCELLATION

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

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Section B: Responsibility Criteria

Insurance Requirements

CIA CORPORATE INSURANCE ADVISORS
INSURING YOUR WORLD AT RISK

April 8, 2021

Mr. Adolfo Cotilla
Acai Associates
2937 W Cypress Creek Rd
Suite 200
Ft Laud, Fl 33309

RE: SA2402 FLL and HWO Pursuit – Insurance

Dear Adolfo,

This is to confirm that you will be able to procure a policy to meet the required limits for professional liability should you be awarded the project.

Please call me if you have any questions.

Sincerely,

Lorin Montgomery

Lorin Montgomery, CPCU
Vice President

INSURANCE SERVICES
Corporate Insurance Advisors | 1401 East Broward Blvd, Suite 103 | Ft. Lauderdale, Florida 33301
Main: 954.315.5000 | Fax: 954.315.5050 | www.ciafl.net



Section C: Additional Information and Cerfitication

ACAI
architecture • engineering
acaiarchitects.com

Section C: Additional Information and Certifications

Vendor Questionnaire

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: ACAI Associates, Inc.
2. Doing Business As/Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN): 65-0020223
4. Dun and Bradstreet No.: 16-118-8289
5. Website address (if applicable): www.acaiarchitects.com
6. Principal place of business address: 2937 W. Cypress Creek Road, Suite 200, Fort Lauderdale, Florida 33309
7. Office location responsible for this project: Fort Lauderdale
8. Telephone no.: 954.484.4000 Fax no.: 954.484.5588
9. Type of business (check appropriate box):
   - ☑ Corporation (specify the state of incorporation): Florida
   - ☐ Sole Prioprietor
   - ☐ Limited Liability Company (LLC)
   - ☐ Limited Partnership
   - ☐ General Partnership (State and County filled in)
   - ☐ Other – Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
    a) Adolfo J. Cotilla, Jr. AIA - Owner/shareholder
    b) Donald M. Wilkin, RA, CPTED - Senior Principal
    c) Betty Loynaz, AIA, CBC, LEED AP BD+C; Principal
    d) Jennifer Shields - Associate Principal
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:
    Name: Adolfo J. Cotilla, Jr. AIA
    Title: President/Owner
    E-mail: adolfo@aecmworld.com
    Telephone No.: 954.484.4000

    Name:
    Title:
    E-mail:
    Telephone No.:
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

Section C: Additional Information and Certifications

Vendor Questionnaire

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).

Section C: Additional Information and Certifications

Vendor Questionnaire

☑ 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.

Section C: Additional Information and Certifications

Vendor Questionnaire

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:

Adolfo J. Cotilla, Jr.	President	3/25/2021
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE

Vendor Name: ACAI Associates, Inc.

* 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).

Please enter your password below and click Save to update your response.
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See Electronic Signatures in Global and National Commerce Act for more information.)

To take exception:
1) Click Take Exception.
2) Create a Word document detailing your exceptions.
3) Upload exceptions as an attachment to your offer on BidSync's system.
By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Section C: Additional Information and Certifications

S/S/S Requirement Form

Type of Work/Supplies Provided: Architectural Design Services

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.

1. Subcontracted Firm's Name: Aba-Con Aviation Services

   Subcontracted Firm's Address: 11 S. Brown Ave | Titusville, FL 32796

   Subcontracted Firm's Telephone Number: (321) 567-4967

   Contact Person's Name and Position: Mary / Ardy Ballard

   Contact Person's E-Mail Address: mary@aba-con.com /ardy@aba-con.com

   Estimated Subcontract/Supplies Contract Amount: TBD

   Type of Work/Supplies Provided: Fuel System Design

2. Subcontracted Firm's Name: Absolutely Civil Engineering Solutions, LLC

   Subcontracted Firm's Address: 4121 SW 47th Ave, Davie, FL 33314

   Subcontracted Firm's Telephone Number: 561-613-2093

   Contact Person's Name and Position: Tiffany Leal / Nicola Paguandas

   Contact Person's E-Mail Address: tleal@absoluteces.com / npaguandas@absoluteces.com

   Estimated Subcontract/Supplies Contract Amount: TBD

   Type of Work/Supplies Provided: Structural Engineering

Section C: Additional Information and Certifications

S/S/S Requirement Form

3. Subcontracted Firm's Name: Blast Deflectors, Inc.

Subcontracted Firm's Address: 8620 Technology Way, Reno, NV 89521

Subcontracted Firm's Telephone Number: (775) 433-0195

Contact Person's Name and Position: Ross Titlow, Engineering Manager

Contact Person's E-Mail Address: rtitlow@bdi.aero

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Blast Analysis and Design Services

4. Subcontracted Firm's Name: Biagi And Associates Engineering, LLC

Subcontracted Firm's Address: 555 Prospect Rd, Oakland Park, FL 33309

Subcontracted Firm's Telephone Number: (954) 776-8004

Contact Person's Name and Position: Diana Correa, Co-Owner

Contact Person's E-Mail Address: diana@biagiengineering.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Structural Engineering

5. Subcontracted Firm's Name: BMA Consulting Engineering

Subcontracted Firm's Address: 18503 Pines Boulevard, Suite 210 Pembroke Pines, FL 33029

Subcontracted Firm's Telephone Number: (954) 744-4691

Contact Person's Name and Position: Jesus A. Mustafa, P.E.

Contact Person's E-Mail Address: jmustafa@bma-ce.com / mradzikhovsky@bma-ce.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Pedestrian Boarding Bridges Replacements

Section C: Additional Information and Certifications

S/S/S Requirement Form

6. Subcontracted Firm's Name: Coastal Risk Consulting, LLC

   Subcontracted Firm's Address: 2385 NW Executive Center Dr Suite 100, Boca Raton, FL 33431

   Subcontracted Firm's Telephone Number: (954) 254-6200

   Contact Person's Name and Position: Rajiv Krishnan, CFO

   Contact Person's E-Mail Address: rajiv.krishnan@coastalriskconsulting.com

   Estimated Subcontract/Supplies Contract Amount: TBD

   Type of Work/Supplies Provided: Building Flood Proofing Design Services

7. Subcontracted Firm's Name: Cost Management, Inc.

   Subcontracted Firm's Address: 158 Terra Mango Loop Drive, Suite B

   Subcontracted Firm's Telephone Number: (407) 293-4168

   Contact Person's Name and Position: Ganesh Jiawon, President

   Contact Person's E-Mail Address: GJ@CMINC.BIZ

   Estimated Subcontract/Supplies Contract Amount: TBD

   Type of Work/Supplies Provided: Cost Estimation

8. Subcontracted Firm's Name: Delta G Consulting Engineers

   Subcontracted Firm's Address: 707 NE 3rd Ave # 200, Fort Lauderdale, FL 33304

   Subcontracted Firm's Telephone Number: (954)527-1112 Ext.15 / (786)441-5128

   Contact Person's Name and Position: George SanJuan P.E., LEED AP

   Contact Person's E-Mail Address: gsanjuan@deltag.net

   Estimated Subcontract/Supplies Contract Amount: TBD

   Type of Work/Supplies Provided: MEP/FP, Telecommunication/Data Engineering, Long Term Infrastructure Equipment

Section C: Additional Information and Certifications

S/S/S Requirement Form

9. Subcontracted Firm's Name: Desman Design Management

Subcontracted Firm's Address: 100 S.E. Third Ave.10th Floor Fort Lauderdale, FL 33394

Subcontracted Firm's Telephone Number: (773) 401-1452

Contact Person's Name and Position: Christian R. Luz, PE, AICP

Contact Person's E-Mail Address: cluz@Desman.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Rental Car Center and Garage Upgrades

10. Subcontracted Firm's Name: Engineering Consortium, Inc.

Subcontracted Firm's Address: 4907 N University Dr. Lauderhill, FL 33351

Subcontracted Firm's Telephone Number: (954) 635-5526

Contact Person's Name and Position: Wayne Williams, PE - President

Contact Person's E-Mail Address: wayne@eci-engineers.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: MEP/FP

11. Subcontracted Firm's Name: GRAEF USA, Inc.

Subcontracted Firm's Address: 9400 South Dadeland Boulevard, Suite 601, Miami, FL 33156

Subcontracted Firm's Telephone Number: (305) 378 5555

Contact Person's Name and Position: Scott Hinrichs, P.E. – Principal, Vice President, Structural Engineer

Contact Person's E-Mail Address: scott.hinrichs@graef-usa.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Pedestrian Boarding Bridges Replacements

Section C: Additional Information and Certifications

S/S/S Requirement Form

12. Subcontracted Firm's Name: GSLA

Subcontracted Firm's Address: 17670 NW 78th Ave, Hialeah, FL 33015

Subcontracted Firm's Telephone Number: (305) 392-1016

Contact Person's Name and Position: Ken Gardner, ASLA, LEED AP

Contact Person's E-Mail Address: ken@gsladesign.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Landscape Architecture

13. Subcontracted Firm's Name: Illustrate My Design

Subcontracted Firm's Address: 113 S Columbus St STE 300, Alexandria, VA 22314

Subcontracted Firm's Telephone Number: (703) 548-2929

Contact Person's Name and Position: Daniel Zeballos

Contact Person's E-Mail Address: dzeballos@illustratemydesign.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: 3D Rendering

14. Subcontracted Firm's Name: Quest Engineering Services & Testing, Inc.

Subcontracted Firm's Address: 2737 NW 19th St, Pompano Beach, FL 33069

Subcontracted Firm's Telephone Number: (954) 582-9800

Contact Person's Name and Position: R.N. Sailappan

Contact Person's E-Mail Address: sail@questengg.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Material Testing

Section C: Additional Information and Certifications

S/S/S Requirement Form

15. Subcontracted Firm's Name: S&F Engineering, Inc

Subcontracted Firm's Address: 2925 W Cypress Creek Rd #200, Fort Lauderdale, FL 33309

Subcontracted Firm's Telephone Number: (954) 938-0020

Contact Person's Name and Position: Sri S. Sritharan, P.E.

Contact Person's E-Mail Address: sri@sfengineers.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Structural Engineering

16. Subcontracted Firm's Name: Smith Engineering Consultants, Inc.

Subcontracted Firm's Address: 412 SE 18th Street, Flor Lauderdale, Florida 33316

Subcontracted Firm's Telephone Number: (954) 590-3911

Contact Person's Name and Position: Larry M. Smith, P.E.

Contact Person's E-Mail Address: larry@smithengineeringconsultants.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Lighting System Design

17. Subcontracted Firm's Name: Spinnaker Group

Subcontracted Firm's Address: 1409 Georgia Ave, West Palm Beach, FL 33401

Subcontracted Firm's Telephone Number: (561) 801-7576 ext. 706

Contact Person's Name and Position: Jonathan Burgess

Contact Person's E-Mail Address: jonathan@spinnakergroup.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Commissioning, LEED certification

Section C: Additional Information and Certifications

S/S/S Requirement Form

18. Subcontracted Firm's Name: Stoner & Associates, Inc.

Subcontracted Firm's Address: 4341 SW 62nd Ave, Davie, FL 33314

Subcontracted Firm's Telephone Number: (954) 585-0997

Contact Person's Name and Position: James Stoner

Contact Person's E-Mail Address: lstoner@stonersurveyors.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Surveying

19. Subcontracted Firm's Name: T.Y. Lin International

Subcontracted Firm's Address: 201 Alhambra Cir Ste 900, Coral Gables, FL 33134

Subcontracted Firm's Telephone Number: (305) 567-1888 x276

Contact Person's Name and Position: Maximo (Max) Fajardo Vice President

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

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Fuel System Design, Building Rehab, Terminal/Building Upgrades

20. Subcontracted Firm's Name: Terracon Consultants, Inc.

Subcontracted Firm's Address: 5371 NW 33rd Ave Suite 201, Fort Lauderdale, FL 33309

Subcontracted Firm's Telephone Number: (561) 741-8282

Contact Person's Name and Position: Hugo Soto, PE, Senior Engineer

Contact Person's E-Mail Address: hugo.soto@terracon.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Geotechnical Engineering

Section C: Additional Information and Certifications

S/S/S Requirement Form

21. Subcontracted Firm's Name: The Chappell Group, Inc

Subcontracted Firm's Address: 714 E McNab Rd, Pompano Beach, FL 33060

Subcontracted Firm's Telephone Number: (954) 782-1908

Contact Person's Name and Position: Tyler Chappell, Vice President

Contact Person's E-Mail Address: tyler@thechappellgroup.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Environmental Engineering

22. Subcontracted Firm's Name: Thompson and Associates, Inc., Civil Engineering

Subcontracted Firm's Address: 412 SE 18th Street, Fort Lauderdale, FL 33316

Subcontracted Firm's Telephone Number: (954) 761-1073

Contact Person's Name and Position: Darren L. Badore, Vice President

Contact Person's E-Mail Address: darren@thompson-inc.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Civil Engineering

23. Subcontracted Firm's Name: Traf Tech Engineering

Subcontracted Firm's Address: 8400 N University Dr # 307, Tamarac, FL 33321

Subcontracted Firm's Telephone Number: (954) 582-0988

Contact Person's Name and Position: Joaquin E. Vargas, P.E.

Contact Person's E-Mail Address: Joaquin@traftech.biz

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Transportation and Traffic Engineering

Section C: Additional Information and Certifications

S/S/S Requirement Form

24. Subcontracted Firm's Name: Unicom Government Inc

Subcontracted Firm's Address: 15010 Conference Center, Chantilly, VA, 20151

Subcontracted Firm's Telephone Number: (703) 502-2278

Contact Person's Name and Position: Ray Davalos, Director of Port Security & Infrastructure Management

Contact Person's E-Mail Address: ray.davalos@unicomgov.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Security Infrastructure Improvements

25. Subcontracted Firm's Name: US Utility Potholing & Air Excavation

Subcontracted Firm's Address: 4630 NE 11th Ave Oakland Park, FL 33334

Subcontracted Firm's Telephone Number: (954) 937-1488

Contact Person's Name and Position: Chuck Faust, VP of Business Development

Contact Person's E-Mail Address: cfaust@usutilitypotholing.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Subsurface Utility Engineering (SUE)

26. Subcontracted Firm's Name: JSM & Associates

Subcontracted Firm's Address: 470 County Rd 448, Tavares, FL 32778

Subcontracted Firm's Telephone Number: (407) 509-1850

Contact Person's Name and Position: John Majewski, CEO

Contact Person's E-Mail Address: johnm@jsmairports.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Inline Baggage Systems

Section C: Additional Information and Certifications

S/S/S Requirement Form

27. Subcontracted Firm's Name: NV5

Subcontracted Firm's Address: 200 South Park Road, Suite 350 Hollywood, FL 33021

Subcontracted Firm's Telephone Number: (305) 666-3563 x225

Contact Person's Name and Position: Eric J. Stern, PE, Vice President

Contact Person's E-Mail Address: eric.stern@nv5.com

Estimated Subcontract/Supplies Contract Amount: TBD

Type of Work/Supplies Provided: Materials Testing, Cost Estimation, Telecommunication Engineering, and Commissioning (including LEED Certification)

28. Subcontracted Firm's Name: Delta Q Consultants, Inc.

Subcontracted Firm's Address: 870 Bald Eagle Drive Ste. 4B, Marco Island, FL 34145

Subcontracted Firm's Telephone Number: 800-403-5750

Contact Person's Name and Position: Michael Ficara; Project Manager

Contact Person's E-Mail Address: mjf@dqfire.com

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided: Materials Testing and Blast Analysis

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

Adolfo J. Cotilla, Jr., AIA, CGC	President	ACAI Associates, Inc.	04/07/2021
Authorized Signature/Name	**Title**	**Vendor Name**	**Date**



Section D: Standard Agreement Language Requirements

ACAI
architecture · engineering
acaiarchitects.com

Section D: Standard Agreement Language Requirement

Agreement Exception 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

Vendor Name: ACAI Associates, Inc.



Additional Responsibility Criteria

ACAI
architecture · engineering
acaiarchitects.com

Additional Responsibility Criteria

CBE LOI | Absolute Civil Engineering Solutions, Inc.

BROWARD COUNTY FLORIDA
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Absolute Civil Engineering Solutions LLC

Address: 4121 SW 47th AVE, SUITE B19 City: DAVIE State: FL Zip: 33314

Authorized Representative: TIFFANY LEAL Phone: 561-613-2093

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 %
Infrastructure/ Equipment Evaluations			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: President Date: 3/24/21

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Absolute Civil Engineering Solutions, Inc.

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

June 3, 2020

Ms. Tiffany Leal
ABSOLUTE CIVIL ENGINEERING SOLUTIONS, INC.
4121 S.W. 47th Avenue, Suite 1319
Davie, Florida 33314

Dear Ms. Leal:

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

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

To review current Broward County Government bid opportunities, visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over $3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

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

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

NAICS CODE: 541330; 541620; 541350; 541380

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

Sincerely,

SANDY-MICHAEL MCDONALD
Digitally signed by SANDY-MICHAEL MCDONALD
Date: 2020.06.04 14:27:22 -04'00'

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

Cert Agency: BC-CBE
ANNIVERSARY DATE: June 23rd

Additional Responsibility Criteria

CBE LOI | S&F Engineering, Inc.

BROWARD COUNTY FLORIDA
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: S&F Engineering, Inc.

Address: 2925 W. Cypress Creek Rd., Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Sivananthan Sritharan, P.E. Phone: 954-938-0020

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			0.5 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: Sivananthan Sritharan, P.E. Date: 03/24/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

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

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

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | S&F Engineering, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

S & F ENGINEERS, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise

Anniversary Date: August 20th

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | Biagi and Associates Engineering, Inc.

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: BIAGI AND ASSOCIATES ENGINEERING, LLC

Address: 555 W. Prospect Road City: Oakland Park State: Fl Zip: 33309

Authorized Representative: Diana Correa Phone: 954-776-8004

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	541330		1 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: Diana Correa Digitally signed by Diana Correa Date: 2021.03.29 10:01:06 -04'00' Title: Co-Owner Date: 03/29/2021

Bidder/Offeror Authorized Representative

Signature: [signature] Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Biagi and Associates Engineering, Inc.

BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

BIAGI AND ASSOCIATES ENGINEERING, LLC

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise (CBE)
Small Business Enterprise (SBE)
Anniversary Date: November 18th

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | BMA Consulting Engineering, Inc.

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: BMA Consulting Engineering

Address: 16928 SW 35th Street City: Miramar State: FL Zip: 33027

Authorized Representative: Jesus A. Mustafa, P.E. Phone: (954) 744-4691

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
Pedestrian Bridges	541330		TBD %
Pedestrian Bridges	541340		TBD %
Pedestrian Bridges	237310		TBD %

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

CBE Firm/Supplier Authorized Representative

Signature: Jesus Mustafa Digitally signed by Jesus Mustafa DN: cn=Jesus Mustafa, o=BMA Consulting Engineering, Inc., ou=Design, email=jmustafa@bma-ce.com, c=US Date: 2021.03.29 14:18:58 -04'00' Title: Director Date: 03/29/2021

Bidder/Offeror Authorized Representative

Signature: Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | BMA Consulting Engineering, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

BMA CONSULTING ENGINEERING, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise
Small Business Enterprise
Anniversary Date: September 18th

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | Thompson and Associates, Inc.

BROWARD COUNTY FLORIDA
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Thompson and Associates, Inc., Civil Engineering

Address: 412 SE 18th Street City: Fort Lauderdale State: FL Zip: 33316

Authorized Representative: Darren L. Badore Phone: 954-325-1626

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 Engineering			5 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: Darren L. Badore Digitally signed by Darren L. Badore Date: 2021.03.24 10:20:37 -04'00' Title: Vice President Date: 03/24/2021

Bidder/Offeror Authorized Representative

Signature: [signature] Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Thompson and Associates, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

THOMPSON & ASSOCIATES, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise
Small Business Enterprise
Anniversary Date: January 31st

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

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Additional Responsibility Criteria

CBE LOI | Delta G Consulting Engineers, Inc.

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Delta G Consulting Engineers

Address: 707 NE 3rd Ave, Suite 200 City: Fort Lauderdale State: FL Zip: 33304

Authorized Representative: George SanJuan Phone: 954-527-1112

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
Electrical, Mechanical and Plumbing Engineering			9.7 %
Fire Protection Design			1.5 %
Infrastructure/ Equipment Evaluations			.5 %

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: President Date: 04/07/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Delta G Consulting Engineers, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6010 • TTY 954-357-5664

This Certificate is Awarded to:

DELTA G CONSULTING ENGINEERS, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise

Anniversary Date: February 15th

Chris Atkinson
Small Business Development Manager

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

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Additional Responsibility Criteria

CBE LOI | Engineering Consortium, Inc.

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Engineering Consortium, Inc.

Address: 4970 N. University Drive, Suite 203 City: Lauderhill State: FL Zip: 33351

Authorized Representative: Wayne A. Williams, P.E. Phone: (954) 635-5526 x-4

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
Electrical, Mechanical and Plumbing Engineering	541330		3 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: President Date: 03/25/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Engineering Consortium, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5564

This Certificate is Awarded to:

ENGINEERING CONSORTIUM, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise (CBE)
Small Business Enterprise (SBE)
Anniversary Date: April 23rd

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | The Chappell Group, Inc.

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: The Chappell Group, Inc.

Address: 714 E McNab Road City: Pompano Beach State: FL Zip: 33060

Authorized Representative: Tyler Chappell, Vice President Phone: (954) 782-1908

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
Environmental Services/Permitting/Protection	541620		1 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: Sarah Chappell Title: Sarah Chappell Date: 04/01/2021

Bidder/Offeror Authorized Representative

Signature: [signature] Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | The Chappell Group, Inc.

BROWARD COUNTY FLORIDA

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

November 5, 2019

Ms. Sarah Chappell
THE CHAPPELL GROUP, INC.
714 East McNab
Pompano Beach, Florida 33060

Dear Ms. Chappell:

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

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

To review current Broward County Government bid opportunities, visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over $3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

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

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

NAICS CODE: 541340; 541620; 541690; 541990

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

Sincerely,

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

Cert Agency: BC-CBE
ANNIVERSARY DATE: NOVEMBER 8TH

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/econdev

Additional Responsibility Criteria

CBE LOI | Quest Engineering Services & Testing, Inc

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Quest Engineering Services & Testing, Inc.

Address: 2737 NW 19 Street City: Pompano Beach State: FL Zip: 33069

Authorized Representative: R. N. Sailappan, P.E. Phone: (954) 582 9800

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
Material Testing			0.3 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: R. N. Sailappan Title: Principal Date: 03/31/2021

Bidder/Offeror Authorized Representative

Signature: A. Cotilla Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Quest Engineering Services & Testing, Inc

BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

QUEST ENGINEERING SERVICES & TESTING, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise
Anniversary Date: JANUARY 3RD

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | Smith Engineering Consultants, Inc.

BROWARD COUNTY FLORIDA
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: Smith Engineering Consultants, Inc.

Address: 412 SE 18th Street City: Fort Lauderdale State: FL Zip: 33316

Authorized Representative: Larry Smith Phone: 561-818-3600

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
Lighting System Design			1 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: President Date: 03/31/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Smith Engineering Consultants, Inc.

BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

SMITH ENGINEERING CONSULTANTS, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise (CBE)
Anniversary Date: August 5th

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Additional Responsibility Criteria

CBE LOI | Stoner & Associates, Inc.

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

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

Address: 4341 SW 62 Ave City: Davie State: FL Zip: 33314

Authorized Representative: James D. Stoner, PSM Phone: 954-585-0997

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
Surveying	541370		1 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: President Date: 03/31/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | Stoner & Associates, Inc.



BROWARD COUNTY FLORIDA

Office of Economic and Small Business Development

Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

This Certificate is Awarded to:

STONER & ASSOCIATES, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise (CBE)
Anniversary Date: June 19th

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

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Additional Responsibility Criteria

CBE LOI | US Utility Potholding, Inc.

LETTER OF INTENT

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

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

Solicitation No.: PNC2120437P1

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

Bidder/Offeror Name: ACAI Associates, Inc.

Address: 2937 West Cypress Creek Road, Suite 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Adolfo J. Cotilla, Jr., AIA Phone: 954-484-4000

CBE Firm/Supplier Name: US Utility Potholding

Address: _____ City: _____ State: ____ Zip: _____

Authorized Representative: _____ Phone: _____

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
Subsurface Utility Engineering (SUE)			.5 %
			%
			%

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

CBE Firm/Supplier Authorized Representative

Signature: _____ Title: Chuck Faust AMBR Date: 04/07/2021

Bidder/Offeror Authorized Representative

Signature: _____ Title: Adolfo J. Cotilla, Jr. Date: 04/05/2021

[1] Visit Census.gov and select NAICS to search and identify the correct codes. Match type of work with NAICS code as closely as possible.
[2] To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

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

Rev.: June 2018 **Compliance Form No. 004**

Additional Responsibility Criteria

CBE LOI | US Utility Potholding, Inc.

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

August 29, 2020

Mr. Charles R. Faust, Jr.
CC AMERICAN ENTERPRISES LLC dba US UTILITY POTHOLING & AIR EXCAVATION
4630 NE 11th Avenue
Oakland Park, Florida 33334

Dear Mr. Faust:

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

Your CBE and SBE certifications are continuous but are contingent upon your firm verifying annually its eligibility in each of the two programs. Each year, on the anniversary of the date you were awarded certification, you must submit to OESBD a Personal Net Worth Worksheet, a copy of the previous year's Business Tax Return, copies of the current professional licenses, and County and local business tax receipts. As a courtesy, OESBD will notify you in advance of your obligation to provide the continuing eligibility documents. However, the responsibility to assure continued certification is yours.

To review current Broward County Government bid opportunities visit: www.broward.org/Purchasing and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over $3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

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

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

NAICS CODE: 561990, 562998

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

Sincerely,

SANDY-MICHAEL MCDONALD
Digitally signed by SANDY-MICHAEL MCDONALD
Date: 2020.08.31 17:12:14 -04'00'

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

Cert Agency: BC-CBE SBE
ANNIVERSARY DATE: SEPTEMBER 6TH

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/econdev



Section E: Evaluation Criteria

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Organizational Chart

Geotechnical Engineering
Terracon Consulting Engineers & Scientists
Principal Engineer/QA/QC Review
Hugo E. Soto, PE
Senior Engineer
Rutugandha "Rutu" H. Nulkar, PE
Senior Staff Engineer
Liana Lantigua Cuni, EI
Materials Testing and Inspections Manager
Caridad R. Murphy, QCM

Parking Consultants
DESMAN Design Management
Associate Vice President
Christian R. Luz, PE, AICP
Leader / Parking Consultant / Structural Eng.
Mark N. Santos, PE

Civil Engineering
CBE Thompson & Associates
President
James F. Thompson, PE
Vice President
Darren L. Badore

Transportation & Traffic Engineering
Traf Tech ENGINEERING, INC.
Transportation Engineer
Joaquin E. Vargas, PE

Lighting System Design
CBE SEC Smith Engineering Consultants,Inc.
Principal Electrical Engineer
Larry M. Smith, PE

3D Rendering
IMD
Principal
Daniel Zeballos
Digital Artist
Eugene Yi

Fuel System Design
ABA-CON AVIATION SERVICES
President
Arden Ballard
Vice President
Stephen Reaves

Structural Engineering
CBE A.C.E.S.
Vice President/Principal Engineer
Wayne Webb, PE
Threshold Engineer
James Brunetti, PE, SI

Blast Analysis and Design Services
BDI
Director of Research & Development
Rich Kirkman
Engineering Manager
Ross E. Titlow, PE

Structural Engineering
CBE S&F Engineers, Inc.
Principal in Charge
Sri S. Sritharan, PE

Fuel System Design / Building Upgrades
T·Y LIN INTERNATIONAL
Sr. Fueling/Support Systems Engineer
Michael K. Miller, PE
Sr. Fueling Project Manager / Design Engineer
Mehmet Y. Ulutas, PE

Structural Engineering
CBE JB BIAGI AND ASSOCIATES ENGINEERING, LLC
Principal Engineer
Diane G. Marotta, PE
Principal Engineer
Diana C. Correa, PE

Materials Testing / Cost Estimation / Telcom / LEED Commissioning
NV5 BEYOND ENGINEERING
Principal
Eric J. Stern, PE
Vice President/Geotechnical Engineer
Garfield Wray, PE, DGE
Principal Consultant / Director
Jason D. Salvin
Senior Civil Engineer
Jason Mahoney, PE
Senior Environmental Manager
Joshua Hirten, PG
Forensic Architect / Sr. Project Manager
Harold Tanenbaum, RA, AIA
Vice President
Michael Rogers, PE, LEED AP, HFDP
Electrical Department Head
William Fox, PE, LEED AP, CDT
Sr. Plumbing / Fire Protection Designer
Keith Connor
Senior Commissioning Engineer
William Hillard
Mechanical Commissioning
Jason Newhuis, PE, BSCX, LEED AP
Senior Project Manager
Dan Sexton, LEED AP
Structural Project Manager
Michael Baer, PE, LEED AP
Senior Transportation Analyst
Christopher Cate, EI
Principal Consultant
Paul Dooley RCDD, CTS
Director of Telecommunications
Brian Wagner, RCDD, PMP

MEP/FP / Telcom / Data Engineering
CBE DELTA G CONSULTING ENGINEERS, INC.
Principal
George SanJuan PE, LEED AP
Mechanical Engineer / Project Manager
Stephen Bender PE, LEED AP
Electrical Engineer
Craig Bozeman
Plumbing Designer
Ricardo Torres

BROWARD COUNTY FLORIDA

Principal in Charge
Adolfo J. Cotilla, Jr., AIA, CGC

Project Management, Architecture, Interior Design, Inspection

Sr. Project Manager/Project Executive
Paul Pannier, AIA, LEED AP, EDAC

Project Manager/SME for Code Compliance	**Group Leader: Pre Design, Design, and Project Delivery**
Betty Loynaz, AIA, CBC, LEED AP BD+C	Bruce Davis, RA, LEED® GA
Group Leader: Pre Design, Design, Aviation Planner	**Group Leader: Pre Design, Design**
Noel Ogunbunmi, LEED AP BD+C	Monica Arcila, CPTED
Construction Manager / ADA Inspector	**Group Leader: VDC, Project Delivery**
Steve Webb, AA, ICC	Brian Spence, BCS
Group Leader: Pre Design, Design	**Group Leader: Pre Design, Design**
Rafael G. Oranday, LEED AP BD+C	Galen VonGleich, RA, LEED AP
Staff Consultant: Production Coordinator, QA/QC	**Project Management Post Design Activities**
J. Terry Adsit, RA, CCS	José Daza Aaron, BA
Project Management / Construction Management / QA/QC	**Staff Consultant and SME: ADA**
Leon Cases, AIA	Larry M. Schneider, AIA, NCARB
Staff Consultant and SME: Roofing	**Inspections, Asphalt Plant Cert, and Reality Capture (LiDAR)**
Edwin L. Williams, RRC, RRO	Adam Albertelli, AS
Designer	**QA/QC Post Design Activities**
Damian Claiman, BA	Raul Ontano, MA
Reality Capture	**SME: Terminal Consultant**
Felix Lubin, BA	Fernando Prieto, RA

Building Flood Proofing
CBE COASTAL RISK
Chief Science Officer
Dr. Leonard Berry
Vice President of Science and Technology
Dr. Brian Soden
Senior Geospatial Scientist
Steve Fernandez
GIS Specialist
Robert Newton

Inline Baggage Systems
JSM & Associates
Vice President – Electrical Engineer
Blair Cox
Senior Project Manager
John Cottrell
Sr. Project Manager / Mechanical Engineer
James Weigand

Environmental Engineering / Protection
CBE The Chappell Group
Vice President
Tyler Chappell
Senior Project Biologist
Kathryn Bongarzone
Senior Project Biologist
Jenna Robbins

LEED Commissioning
SPINNAKER GROUP
President
Jonathan Burgess, LEED AP
Director of Building Performance
Steve Samenski
VP of Sustainability
Margaret Fitzsimons
VP of Commissioning
Ernesto Collazo

Landscape Architecture
GSA Gardner + Semler Landscape Architecture
President
Ken Gardner, ASLA, LEED AP

MEP / FP
CBE Engineering Consortium Inc.
President / Chief Operating Officer
Wayne A. Williams, PE
Senior Electrical Engineer
Maurice Lord, PE

Bridges
GRAEF
Structural Engineer
Scott Hinrichs PE
MEP / FP Engineer
José Lizasoain PE, CxA
Electrical Engineer
Alex Parrish PE
Civil Engineer
Eugene Lozano PE

Land Surveying / Mapping
CBE Stoner & Associates, Inc. Surveyors · Mappers
President/Principal Surveyor
James D. Stoner, PSM

Cost Estimating
CMI
Principal in Charge/Chief Cost Estimator
Ganesh Jiawon, MRICS, CGC, LEED AP

Material Testing
QuEST Consulting - Engineering - Testing
Principal
R. N. Sailappan, PE
Project Engineer
Reza Javidan, PE
Field Inspector & Project Engineer
Joseph Simhon, PE

Subsurface Utility Engineering
UTILITY POTHOLING & AIR EXCAVATION
Field Operations
Charles R. Faust Jr.
Sub Surface Utility Engineer
Marryshow Celestine Bartholomew
SUE Technician
Eric Degenaar
Designator
Marvin Parkins
SUE Technician
Kevoy Spence

Pedestrian Boarding Bridges Replacement
CBE BMA Consulting Engineering Transportation Infrastructure & Innovation
Senior Engineer 2
Jesus Mustafa, PE
Engineer 2
Rodolfo Hutchinson, PE
Senior Engineer 1
Ronald Spencer, PE
Senior Engineer 1
Louis G. Reis, PE
Senior Environmental Scientist
Millie Radzikhovsky
Chief Designer
Edmundo M. Zevallos
Designer and Environmental Scientist
Gloria Lopez
Senior Scientist/Stormwater Mgmt.
Stephen Tonjes

Blast Analysis and Design Services
DELTA Q
President
Christopher F. Schemel, Ph.D., CFEI
Principal Engineer
Dr. Sina Nejad, PE, P. ENG

Security Infrastructure Improvements
UNICOM Government, Inc. A Division of UNICOM Global
Dir. Port Security and Infrastructure Mgmt.
Ray Davalos

Section E: Evaluation Criteria

Ability of Professional Personnel - Experience with Firms on the Team

Through our experience, we have found that the Client is best served by assembling a team of professionals with interpersonal relationships, creating synergy between the team members and the team's experience in the project field and scope of work.

	ACAI	Thompson & Associates, Inc.	S & F Engineering, Inc.	Biagi & Associates, Eng. LLC	Absolute Civil Engineering Solutions LLC	Engineering Consortium, Inc.	Delta G Consulting Engineers, Inc.	BMA Consulting Engineering, Inc.	Stoner & Associates, Inc.	Spinnaker Group, LLC	DESMAN, Inc.	Illustrate My Design, LLC	GRAEF-USA, Inc.	The Chappell Group, Inc.	Terracon Consultants, Inc.	Traf Tech Engineering, Inc.	Coastal Risk, LLC	Smith Eng.ineering Consultants, Inc.	US Utility Potholing	Cost Management Inc.	Aba-Con Aviation Services, Inc.	Blast Deflectors, Inc.	GSLA Design, Inc.	T. Y. Lin International	Unicom Government, Inc.	JSM & Associates, LLC	NV5, Inc.	Quest Engineering Services & Testing, Inc	Delta Q Consultants, Inc.
ACAI		✈	✈	✈	✈	✈	✈	✈	✈	✈	✈	✈	✈	✈	✈	✈				✈			✈				✈	
Thompson & Associates, Inc.	✈				✈	✈	✈	✈	✈	✈				✈				✈	✈									✈	
S & F Engineering, Inc.	✈					✈	✈			✈				✈														✈	
Biagi & Associates, Eng. LLC	✈					✈								✈															
Absolute Civil Engineering Solutions LLC	✈	✈								✈					✈														
Engineering Consortium, Inc.	✈	✈	✈	✈	✈		✈	✈	✈	✈	✈				✈	✈						✈							
Delta G Consulting Engineers, Inc.	✈	✈	✈			✈		✈	✈	✈										✈			✈			✈	✈		✈
BMA Consulting Engineering, Inc.	✈					✈	✈						✈			✈													
Stoner & Associates, Inc.	✈	✈				✈	✈			✈				✈													✈		✈
Spinnaker Group, LLC	✈	✈	✈		✈	✈	✈		✈						✈					✈			✈						
DESMAN, Inc.	✈	✈				✈	✈						✈		✈			✈											
Illustrate My Design, LLC	✈																												
GRAEF-USA, Inc.	✈							✈			✈				✈								✈			✈			
The Chappell Group, Inc.	✈	✈	✈	✈					✈						✈							✈	✈						
Terracon Consultants, Inc.	✈					✈				✈			✈	✈										✈					
Traf Tech Engineering, Inc.	✈				✈	✈		✈																✈					
Coastal Risk, LLC																													
Smith Engineering Consultants, Inc.		✈													✈							✈							
US Utility Potholding		✈																											
Cost Management Inc.	✈						✈																						
Aba-Con Aviation Services, Inc.																				✈				✈					
Blast Deflectors, Inc.						✈								✈				✈											
GSLA Design, Inc.	✈						✈			✈			✈	✈	✈	✈													
T. Y. Lin International															✈														
Unicom Government, Inc.																								✈					
JSM & Associates, LLC							✈						✈												✈				
NV5, Inc.	✈						✈		✈						✈										✈				
Quest Engineering Services & Testing, Inc			✈												✈												✈		✈
Delta Q Consultants, Inc.																													

Section E: Evaluation Criteria

Ability of Professional Personnel - Experience with Scope of Work

	Architectural Design Services	Interior Design	Civil Engineering	Structural Engineering	Electrical, Mechanical and Plumbing Engineering	Geotechnical Engineering	Environmental engineering	Surveying	Subsurface Utility Engineering (SUE)	Fire Protection Design	Telecommunication, CCTV, and Data Engineering	Fuel System Design	Lighting System Design	Permitting/Obtaining Jurisdiction Approvals	Cost Estimate	Preparing 3D Renderings	Bid and Award Assistance	Commissioning, including LEED Certification	Infrastructure/ Equipment Evaluations	Building Information Modeling (BIM)	Construction Inspections Services	Blast Analysis and Design Services	Building Flood Proofing Design Services	Feasibility assessments	Building Assessments	40 Year Building Inspections	Rehabilitation and upgrades of Garages	Rehabilitation of Airport Buildings (including HWO)	Buildings	Rental Car Center and Garage Up-grades	Vacant / Abandoned Building Demolition	Enhancement On Security Employee/ Vehicular Screening Infrastructure Project	Security Infrastructure Improvements	In line Baggage Systems	Terminal and Building Modernization/Upgrades	Pedestrian Boarding Bridges Replacements	Long term Infrastructure Equipment	Transportation and Traffic Engineering	Landscape Architecture	Material Testing	Environmental Protection	BCAD Experience	Availability %
Adolfo Cotilla, AIA	✈	✈												✈	✈	✈	✈	✈	✈	✈	✈			✈	✈	✈	✈	✈	✈	✈	✈				✈		✈					✈	25
Paul Pannier, AIA, LEED AP, EDAC, Jr.	✈	✈												✈	✈		✈	✈	✈	✈	✈		✈	✈	✈		✈	✈	✈		✈		✈	✈	✈	✈	✈	✈				✈	90
Bruce Davis, RA, LEED GA	✈	✈												✈	✈	✈	✈		✈	✈	✈			✈	✈		✈	✈	✈		✈					✈		✈				✈	90
Noel Ogunbunmi, LEED AP BD+C	✈	✈											✈	✈		✈	✈	✈	✈	✈	✈				✈		✈	✈	✈		✈			✈	✈		✈					✈	90
Galen VonGleich, RA, LEED AP	✈	✈												✈		✈	✈	✈	✈	✈	✈			✈	✈		✈	✈	✈		✈				✈		✈					✈	80
Betty Loynaz, AIA, CBC, LEED AP BD+C	✈	✈												✈		✈	✈	✈	✈	✈	✈			✈	✈		✈	✈	✈		✈					✈						✈	60
Rafael G. Oranday, LEED AP BD+C	✈	✈												✈		✈	✈	✈	✈	✈	✈			✈	✈		✈	✈	✈							✈		✈				✈	70
Brian Spence, BCS	✈															✈			✈	✈					✈		✈	✈	✈							✈		✈				✈	90
Monica Arcila, CPTED	✈																		✈	✈	✈				✈			✈	✈							✈		✈				✈	90
Damian Claiman, BA	✈	✈														✈			✈	✈	✈				✈		✈	✈	✈							✈		✈					80
Larry M. Schneider, AIA																	✈		✈		✈				✈		✈	✈	✈							✈		✈				✈	100
Steve Webb, AA, ICC	✈													✈			✈		✈	✈	✈				✈		✈	✈	✈							✈		✈				✈	90
Leon Cases, AIA	✈	✈												✈	✈		✈		✈		✈			✈	✈	✈	✈	✈	✈							✈		✈					90
José Daza Aaron, RA																	✈		✈		✈				✈		✈	✈	✈							✈		✈					100
J. Terry Adsit, CCS	✈	✈													✈		✈	✈	✈		✈			✈	✈		✈		✈							✈		✈				✈	40
Ed Williams, RRC, RRO																	✈		✈		✈				✈		✈		✈							✈		✈		✈			40
Raul Ontano, MA	✈		✈	✈	✈	✈	✈			✈							✈		✈	✈	✈			✈	✈		✈	✈	✈							✈		✈				✈	90
Adam Albertelli, AS	✈											✈		✈					✈	✈	✈				✈	✈	✈	✈	✈							✈		✈	✈		✈	✈	✈	80
Felix Lubin, BA	✈																		✈	✈	✈				✈			✈	✈							✈		✈				✈	90
Fernando Prieto, RA	✈	✈															✈		✈		✈			✈	✈		✈	✈	✈	✈	✈		✈	✈	✈	✈	✈	✈				✈	90
James Brunetti			✈	✈		✈	✈							✈				✈			✈				✈	✈														✈			85
Wayne Webb			✈	✈		✈	✈							✈				✈			✈				✈	✈															✈		85
Ross Titlow			✈	✈																		✈																				10
Rich Krikman																						✈																				10
Diana Correa, PE				✈																	✈					✈			✈													25
Diane G. Marotta, PE				✈																	✈					✈			✈													25

Section E: Evaluation Criteria

Ability of Professional Personnel - Experience with Scope of Work

	Architectural Design Services	Interior Design	Civil Engineering	Structural Engineering	Electrical, Mechanical and Plumbing Engineering	Geotechnical Engineering	Environmental engineering	Surveying	Subsurface Utility Engineering (SUE)	Fire Protection Design	Telecommunication, CCTV, and Data Engineering	Fuel System Design	Lighting System Design	Permitting/Obtaining Jurisdiction Approvals	Cost Estimate	Preparing 3D Renderings	Bid and Award Assistance	Commissioning, including LEED Certification	Infrastructure/ Equipment Evaluations	Building Information Modeling (BIM)	Construction Inspections Services	Blast Analysis and Design Services	Building Flood Proofing Design Services	Feasibility assessments	Building Assessments	40 Year Building Inspections	Rehabilitation and upgrades of Garages	Rehabilitation of Airport Buildings (including HWO)	Buildings	Rental Car Center and Garage Up-grades	Vacant / Abandoned Building Demolition	Enhancement On Security Employee/ Vehicular Screening Infrastructure Project	Security Infrastructure Improvements	In line Baggage Systems	Terminal and Building Modernization/Upgrades	Pedestrian Boarding Bridges Replacements	Long term Infrastructure Equipment	Transportation and Traffic Engineering	Landscape Architecture	Material Testing	Environmental Protection	BCAD Experience	Availability %
Jesus A. N. Mustafa, PE			✈	✈										✈	✈		✈				✈				✈	✈	✈		✈							✈	✈	✈					80
Rodolfo Hutchinson, PE				✈																									✈							✈	✈						100
Ronald Spencer, PE			✈																																		✈					50
Louis Reis, PE							✈																																	✈		50
Millie Radzikhovsky							✈																																	✈		60
Edmundo Zevallos				✈																							✈		✈							✈						15
Steve Tonjes							✈																																	✈		25
Gloria Lopez							✈																																	✈		25
Dr. Leonard Berry, CRC																		✈					✈																			50
Dr. Brian Soden, CRC																							✈																			25
Robert Newton, CRC																							✈																			50
Steve Fernandez, CRC																							✈																			50
Ganesh Jiawon, CGC, LEED AP, MRICS															✈			✈			✈			✈	✈		✈		✈	✈			✈	✈	✈	✈					✈	40
George SanJuan PE, LEED AP					✈					✈	✈		✈	✈			✈		✈	✈	✈			✈	✈	✈			✈		✈			✈	✈	✈	✈				✈	75
Stephen Bender PE, LEED AP					✈					✈				✈			✈		✈	✈	✈			✈	✈				✈		✈				✈		✈				✈	85
Craig Bozeman																																										90
Ricardo Torres					✈						✈		✈	✈			✈		✈	✈	✈			✈	✈				✈		✈			✈	✈		✈				✈	90
Christian R. Luz, PE, AICP																	✈							✈			✈			✈											40
Mark N. Santos, PE				✈										✈			✈			✈	✈			✈			✈			✈											60
Wayne Williams, PE					✈					✈							✈		✈		✈			✈	✈	✈										✈		✈			✈	30
Maurice Lord, PE					✈								✈				✈		✈		✈			✈	✈	✈										✈		✈			✈	30
Scott Hinrichs, P.E.				✈										✈	✈	✈	✈		✈	✈	✈			✈	✈	✈	✈		✈	✈	✈		✈	✈	✈	✈		✈			✈	75
Jose Lizasoain, P.E., CxA					✈					✈		✈		✈	✈	✈	✈	✈	✈	✈	✈			✈	✈	✈	✈		✈	✈	✈		✈	✈	✈						✈	75
Alex Parrish, P.E.					✈						✈	✈	✈	✈	✈	✈	✈		✈	✈	✈			✈	✈	✈	✈		✈	✈	✈		✈	✈	✈						✈	75
Eugene Lozano, P.E.			✈											✈	✈	✈	✈		✈	✈	✈			✈	✈	✈	✈		✈	✈	✈		✈	✈	✈		✈	✈			✈	75
Ken Gardner, ASLA, LEED AP																																						✈				20

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Ability of Professional Personnel - Experience with Scope of Work

	Architectural Design Services	Interior Design	Civil Engineering	Structural Engineering	Electrical, Mechanical and Plumbing Engineering	Geotechnical Engineering	Environmental engineering	Surveying	Subsurface Utility Engineering (SUE)	Fire Protection Design	Telecommunication, CCTV, and Data Engineering	Fuel System Design	Lighting System Design	Permitting/Obtaining Jurisdiction Approvals	Cost Estimate	Preparing 3D Renderings	Bid and Award Assistance	Commissioning, including LEED Certification	Infrastructure/ Equipment Evaluations	Building Information Modeling (BIM)	Construction Inspections Services	Blast Analysis and Design Services	Building Flood Proofing Design Services	Feasibility assessments	Building Assessments	40 Year Building Inspections	Rehabilitation and upgrades of Garages	Rehabilitation of Airport Buildings (including HWO)	Buildings	Rental Car Center and Garage Up-grades	Vacant / Abandoned Building Demolition	Enhancement On Security Employee/ Vehicular Screening Infrastructure Project	Security Infrastructure Improvements	In line Baggage Systems	Terminal and Building Modernization/Upgrades	Pedestrian Boarding Bridges Replacements	Long term Infrastructure Equipment	Transportation and Traffic Engineering	Landscape Architecture	Material Testing	Environmental Protection	BCAD Experience	Availability %
Daniel Zeballos																✈																											✈	20
Eugene Yi																✈																											✈	50
Michael Rogers, PE, LEED AP, HFDP					✈																																						25
Bill Fox, PE, LEED AP, CDT					✈																																						25
Keith Connor					✈					✈																																		25
David Black																				✈																								25
Bill Hillard																		✈																										25
Jason Newhuis																		✈																										25
Jason Mahoney, PE			✈					✈	✈																																		25
Eric Stern, PE						✈																				✈																	25
Garfield Wray						✈																																					25
Joshua Hirten							✈																																				25
Mark Gillis, CTS-D											✈																																25
Jason Salvin																			✈																								25
Dan Sexton															✈																												25
Michael Baer, PE				✈																																							25
Chris Cate																																									✈				25
Joseph Simhon, PE				✈		✈															✈					✈														✈			15
R. N. Sailappan, P.E				✈		✈															✈					✈														✈			10
Reza Javidan, P.E.				✈		✈															✈					✈														✈			25
Sivananthan Sritharan, P.E.				✈													✈			✈		✈		✈	✈	✈	✈		✈						✈	✈							30
Larry Smith, P.E.					✈					✈	✈		✈		✈		✈				✈			✈	✈	✈			✈					✈			✈				✈			65
Jonathan Burgess, LEED Fellow																		✈																								✈		10
Margaret Fitzsimons, LEED AP																		✈																								✈		35
Ernesto Collazo, CxA																		✈																								✈		35
Steve Samenski, CxA																		✈																								✈		35

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Ability of Professional Personnel - Experience with Scope of Work

	Architectural Design Services	Interior Design	Civil Engineering	Structural Engineering	Electrical, Mechanical and Plumbing Engineering	Geotechnical Engineering	Environmental engineering	Surveying	Subsurface Utility Engineering (SUE)	Fire Protection Design	Telecommunication, CCTV, and Data Engineering	Fuel System Design	Lighting System Design	Permitting/Obtaining Jurisdiction Approvals	Cost Estimate	Preparing 3D Renderings	Bid and Award Assistance	Commissioning, including LEED Certification	Infrastructure/ Equipment Evaluations	Building Information Modeling (BIM)	Construction Inspections Services	Blast Analysis and Design Services	Building Flood Proofing Design Services	Feasibility assessments	Building Assessments	40 Year Building Inspections	Rehabilitation and upgrades of Garages	Rehabilitation of Airport Buildings (including HWO)	Buildings	Rental Car Center and Garage Up-grades	Vacant / Abandoned Building Demolition	Enhancement On Security Employee/ Vehicular Screening Infrastructure Project	Security Infrastructure Improvements	In line Baggage Systems	Terminal and Building Modernization/Upgrades	Pedestrian Boarding Bridges Replacements	Long term Infrastructure Equipment	Transportation and Traffic Engineering	Landscape Architecture	Material Testing	Environmental Protection	BCAD Experience	Availability %
James D. Stoner, PSM								✈																																		✈	95
Michael Miller, PE										✈		✈			✈																											✈	20
Mehmet Ulutas, PE					✈					✈		✈					✈				✈										✈										✈	20
Hugo E. Soto, P.E.			✈			✈															✈																		✈	✈	25
Rutu H. Nulkar, P.E.			✈			✈															✈																		✈	✈	35
Caridad Murphy, QCM			✈																		✈																		✈	✈	35
Liana Lantigua Cuni, E.I.			✈			✈															✈																		✈	✈	40
Tyler Chappell														✈	✈		✈				✈																		✈		30
Kathryn Bongarzone														✈	✈		✈				✈																		✈		60
Jena Robbins														✈	✈		✈				✈																		✈		60
James F. Thompson, PE, LEED AP			✈				✈							✈	✈		✈		✈		✈			✈								✈									50
Darren I. Badore			✈				✈							✈	✈		✈		✈		✈			✈								✈		✈		✈					50
Joaquin Vargas, PE																																					✈					25
Ray Davalos., MStn											✈																					✈	✈									20
Charles R. Faust Jr. (Chuck)								✈						✈			✈																									33
Marvin Parkins								✈	✈																																	33
Kevoy Spence								✈	✈																																	33
Eric Degenaar								✈																															✈			33
Marryshow Celestine Bartholomew								✈	✈		✈		✈														✈				✈												33
Blair Cox																	✈							✈									✈	✈	✈						✈	25
Jim Weigand																	✈				✈			✈									✈	✈	✈						✈	25
John Cottrell																	✈				✈												✈	✈	✈						✈	25
Ardy Ballard												✈		✈	✈									✈																	✈	25
Avery Warrington														✈		✈																									✈	25
Dr. Sina Nejad, PE, P. ENG																						✈																		✈		25
Christopher F. Schemel, Ph.D, CFEI																						✈																		✈		25



Subconsultants

ACAI
architecture • engineering
acaiarchitects.com

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Ability of Professional Personnel - Subconsultants



We selected our consultant team because of their experience with similar and identical aviation projects where the scopes vary, the task quantities and deliveries were not predictable and, in all instances, where individual tasks were required to be delivered within a complex working environment – in many cases, an airport.

NV5

NV5 is a 3,300-person firm providing engineering and consulting services to public and private sector clients, delivering solutions through six business verticals: Testing, Inspection and Consulting; Infrastructure; Utility Services; Environmental Health Sciences; Buildings and Program Management; and Geospatial Technology. With 100 offices located throughout the United States and the resources for worldwide delivery, NV5 helps clients develop, construct, and operate a wide variety of projects. NV5 plans, designs, builds, tests, and certifies the infrastructure that connects their communities. They take pride in helping clients build cost-effective, sustainable projects that serve the needs of the communities where they live and work.

NV5's experience with ACAI includes FLL Terminal 4 East and West Expansion. They also worked with BCAD on the new South and North Runway project.

T.Y. Lin International (TYLI)

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

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

Terracon Consultants, Inc. (Terracon)

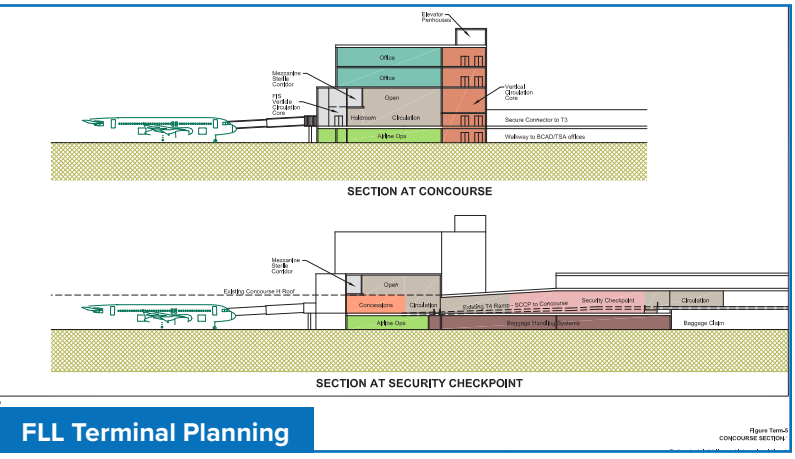
Terracon has worked on a wide variety of airport projects throughout the United States and is knowledgeable and familiar with Federal Aviation Administration (FAA) quality acceptance criteria. Their project experience includes new construction, expansions, and additions of airport roadways, hangar, aprons, 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 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 Fort Lauderdale-Hollywood International, Fort Lauderdale Executive Airport, Palm Beach International Airport, Miami International Airport, Opa-locka Executive Airport, Kendall-Tamiami Executive Airport, Galaxy Aviation of Palm Beach 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 but not limited to: St. Lucie International Airport (now known as Treasure Coast International), Vero Beach Regional Airport, Sebastian Municipal Airport, Orlando International Airport, Lakeland Regional Airport, Tampa International Airport, Northeast Florida Regional Airport, and Jacksonville International Airport. Terracon has conducted services for Broward County since the late 1990s. In 2003 the firm (dba Dunkelberger Engineering & Testing) acted as an independent professional engineering testing and inspection firm when concerns were raised on the structural integrity of the cast in place concrete

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beams and columns during the early construction of the Consolidated Rental Car Facility. **FLL Projects have ranged from dewatering evaluation, groundwater sampling and analysis, and turbidity monitoring at the Westside Jet Center to subsurface exploration for an 8-inch and 16-inch sewage force mains to materials testing for the Airport Rescue and Fire Fighting Facility and Emery Worldwide to quality assurance materials testing and structural steel inspections for an in-line baggage handling system. For the Southwest Terminal 1 modernization,** Terracon provide quality control materials testing and inspections, BECx (Building Enclosure Commissioning), and building envelope (roofing and building curtain walls) services as well as well as performance verification testing of the insulating laminated coated glass curtainwalls and store fronts.



FLL Terminal Planning

Terracon, and its acquisitions, have had the pleasure of **working with ACAI since the early 1990s,** performing professional engineering services including environmental, facilities (roof testing), geotechnical and materials testing. We have collaborated on a variety of projects such as: the FDOT Center Auditorium, Motor Pool and Pavilion (1999), Nova Southeastern University Center for Collaboration Research (CCR) with parking garage, ADA with SFWMD, Pompano Beach Library, Ravenswood Bus Maintenance Facility, Western Fire Station, Nova Senior High School, and Broward General Medical Center.

Absolute Civil Engineering Solutions, LLC (ACES) *(CBE)*

ACES is a Certified M/WBE/CBE/SBE firm offering a full range of engineering, testing, and consulting services from pre-construction through post construction. They provides engineering consulting services to both the public and private sector, including owners, developers, architects, general contractors, property management companies, school boards, and municipalities. ACES mission is to continue to serve their clients with exceptional Civil Engineering, Building Code Compliance Plan Review and Inspection, Geotechnical Engineering, Environmental Engineering, Structural Engineering, Construction **Materials Testing** and Inspection, and Engineering Consulting Services by listening to the clients, developing a clear understanding of client's needs and goals, and tailoring their services to meet and exceed those needs in a quality, timely, and cost-effective manner.

ACES partnered with ACAI on the Tamiami Miracle League Park, Broward County Judicial Center Wind Mitigation, Broward County Public Safety Complex Mitigation, DMS Dimick Building Re-roofing, and Miami-Dade County Helen Sawyer Re-roofing projects.

ABA-CON Aviation Services (ABA-CON)

Founded in 2008, ABA-CON designs, builds and installs custom aviation fuel storage equipment and dispensing systems. Additionally, ABA-CON provides parts distribution and maintenance services to those in the aviation fuel industry. ABA-CON hold a pollutant storage license and a Florida GC license. Their team has designed and installed over **500 fuel systems.** These systems are located throughout the Continental U.S., Alaska, Puerto Rico, Bahamas, South Africa, and South America. ABA-CON's **target market is the general and corporate aviation industry.** Customers are attracted to their product because of the quality, ease of use, and built-in safety features. When a fuel tank or other product is designed and built by ABA-CON, customers know they are getting the very best for the price.

ABA-CON currently holds aviation fueling service contracts with multiple customers in Broward County and they are looking forward to building and maintaining their relationship with the county and businesses within it.

Biagi and Associates Engineering, LLC (Biagi) *(CBE)*

For nearly four decades, Biagi has been the trusted name for structural engineering and design throughout the state of Florida. Their years of experience, substantiate their expertise and affirm their skills to get the job done correctly and efficiently. Biagi's history and future are shaped by a commitment to provide the utmost integrity to all of their structural projects, no matter the projects size. They collaborate with architects, contractors, homeowners, and other specialty engineers to provide structural solutions to any complex problems. The firm is made up of Professional Engineers, Project Engineers, Structural Drafters, Inspectors, Administrative Assistants, and student interns.

Biagi provided structural consulting services for ACAI and also teamed with us on feasibility studies.

BMA Consulting Engineering, Inc. (BMA) *(CBE)*

BMA will provide the Broward County Board of County Commissioners a well-coordinated, experienced, and reliable **pedestrian bridge design team.** BMA is located

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Ability of Professional Personnel - Subconsultants

in Broward County with their main office located less than 30 miles from the County Offices. BMA is a company driven to provide Design, PD&E, and **CEI** services to the Transportation Infrastructure Industry using innovative approaches in management, cost-effective designs, and value engineering. They integrate Information Technology and Quality Control Processes into the services they provide. The company is a full-service certified DBE/SBE with FDOT, SBE with **South Florida Water Management District (SFWMD)**, CBE with Broward County, and MBE with the State of Florida.

Coastal Risk Consulting, LLC (Coastal Risk)

Coastal Risk is a dynamic and innovative, science-based company focused on assisting communities, businesses, and governments to quantify and adapt to current and future climate change impacts. Coastal Risk's experienced and distinguished team not only specializes in sea level rise (SLR), coastal flooding and storm surge modeling, but also conducts natural hazards, climate vulnerability and adaptation studies for governments and private industry at the local, regional, and state levels.

Coastal Risk's scientists are world-renowned experts in climate and SLR risk vulnerability and adaptation. Members of the Coastal Risk team have been directly involved in the pioneering work completed for the Southeast Florida Regional Climate Compact, **given their expertise in climate mitigation and resilience building** in the region.

Coastal Risk has already responded to government and community needs at all levels. Since their founding in 2014, **they have successfully conducted several similar projects that include Building Floodproofing Design Services for 6 other municipalities and a military airfield in South Florida.**

What distinguishes Coastal Risk is its holistic and multi-disciplinary "dream team" of experts, which together possess the capabilities needed to provide clients with accurate data and analysis and cost-effective solutions to address current and future climate change challenges. The team includes industry experts in engineering, architecture, geospatial analysis, planning, meteorology, natural systems, regulatory and legal changes, and public health.

Traf Tech Engineering, Inc. (TrafTech)

Traftech is an engineering consulting firm specializing in traffic engineering, parking studies, traffic impact studies, pedestrian studies, access evaluation, traffic circulation patterns, traffic concurrency, Development of Regional Impacts (DRI), and signal warrant studies. Their experience includes traffic operation and safety studies for the Florida Department of Transportation, Florida's Turnpike, numerous municipalities, Broward County, and the private sector. In the past two years, they have completed more than 150 traffic studies in the State of Florida. Traftech has served as a traffic consultant to the cities of Fort Lauderdale, Coral Springs, Sunrise, Tamarac, Homestead, Cooper City, Miami Springs, Surfside, Ocala, and Destin. Some representative projects include the Destin Harbor Parking Master Plan, Sistrunk Boulevard traffic calming project in Fort Lauderdale, and many reviews of traffic studies on behalf of municipalities.

TrafTech has been working with ACAI on Nova Southeastern University projects since 2015.



FLL T4 Federal Inspection Services

Blast Deflectors, Inc. (BDI)

With over 60 years of experience in the aviation industry, BDI supports projects from the very early planning phases with site evaluation, **blast impact studies,** CFD analyses, acoustic analyses, budgets, and guide specifications. BDI works with aircraft manufacturers, civil aviation authorities, and airport consultants to analyze the potential jet blast impacts of aircrafts. That, coupled with years of experience and thousands of successful installations across the world, allows BDI to plan, design, and implement the most cost effective and practical solutions.

Delta G Consulting Engineers, Inc. (Delta G) *(CBE)*

Delta G has completed over 50 aviation projects within the past 5 years and has been designing aviation facilities **with ACAI for more than 20 years.** The projects completed vary from large airport expansion projects with an approximate construction cost of $400MM to small renovation projects within terminals and concourses. They have extensive experience **working with ACAI in the FIS at FLL and FXE's Public Safety Complex,** throughout other CBP/FIS spaces, communication rooms, luggage handling conveyor systems, concession/retail spaces, passenger boarding/seating areas, and air-side infrastructure systems. Delta G's professional services include mechanical, electrical, plumbing, and fire protection engineering design, as well as construction administration services.

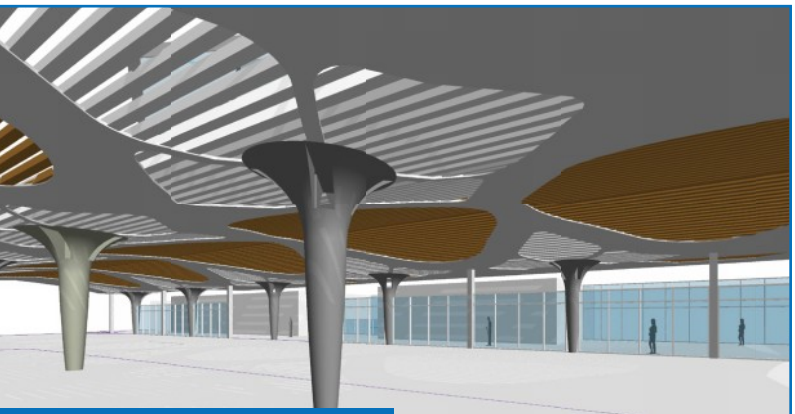
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DESMAN, Inc. (Desman)

Desman founded in 1973 specializes in parking and traffic planning, design, and restoration of cost-efficient and aesthetically pleasing parking assets within the United States and around the world. They have served public, private, and institutional clients and owners throughout the U.S. providing planning and design services for **over 5,000 parking and transportation projects,** including work for Yeager Airport, Richmond International Airport, Northwest Arkansas Regional Airport, Albany County Airport and many others. Their airport parking experience includes the **first parking structure to implement a parking guidance system, BWI Smart Park Technology**, and completing 5 airport parking facilities in the last 6 years. They believe that parking plays a vital role in the mobility standard of airport patrons and economic success of airports, port authorities and multimodal facilities.

DESMAN's parking consultant and structural engineer, Mark Santos, PE has worked with ACAI on some of our previous parking garage projects.



MDAD E FIS Planning Study

Engineering Consortium Inc. (ECI) *(CBE)*

ECI is a multi-discipline professional engineering consulting services firm headquartered in Lauderhill since 2005. The firm offers professional Mechanical, Electrical Engineering, Fire Protection and Plumbing Engineering services. ECI Professionals have experience working with projects for Broward County Aviation Department (BCAD) and Miami-Dade County Aviation Department (MDAD). They are part of our team for the Terminal 4 renovation/FIS expansion project and have worked with ACAI on the Broward County Main Jail Window replacement and UMH pathology renovations projects.

GRAEF, USA

Since 1961, GRAEF has been responsible for successfully completing a number of public projects including evaluations, renovations, and new construction. GRAEF has approximately 260 personnel nationwide and their staff include professionals **experienced in cost efficient systems** including designs that complement renewable energy and sustainable practices. They have experience in significant projects at various international and regional airports throughout the United States including Fort Lauderdale-Hollywood International, Orlando International, Daytona Beach International, Destin-Fort Walton Beach, Hartsfield-Jackson Atlanta International, Chicago Midway International, Chicago O'Hare International, Dane County Regional, and General Mitchell International Airport. GRAEF has provided services for major terminals, CBIS, and existing space renovations in the last ten years and is extremely **familiar with the rules and regulations of these Federal Aviation Administration, Transportation Security Administration, local jurisdiction badging requirements.**

GRAEF's working history with ACAI includes projects at Fort Lauderdale-Hollywood International Airport as well as an existing continuing contract with the Florida Department of Transportation. They have also worked on several federally funded projects.

GRAEF's engineers have specific experience and valuable knowledge of airport facilities, from assessments and feasibility studies through the preparation of construction documents and construction phase administration. GRAEF also has experience designing systems and facilities with future expansion in mind and coordinating those designs across disciplines with larger design teams beyond our internal staff.

GSLA Design, Inc. (GSLA) *(CBE)*

GSLA (formerly Rosenberg Gardner Design) has been one of South Florida's leading landscape architectural firms for over 36 years. They have the ability and experience to perform the work required. They have served a wide variety of public and private clients including Broward County, with projects including municipal buildings, streetscapes, parks, schools, condominiums and commercial centers throughout Broward, Miami-Dade, Monroe, and Palm Beach Counties. GSLA is uniquely qualified to design the landscape for these airport projects. Their experience in working with municipalities on these types of projects allows them to fully understand the importance of absorbing the programmatic and budgeting issues and ensuring that they are adhered to fully during the design process. **They have been a consultant partner with ACAI for sixteen years.**

JSM & Associates, Inc. (JSM)

JSM is a Florida based Baggage Handling System (BHS) professional provider. Their professional team have more than 200 years of combined experience in the design, manufacturing, engineering, construction, commissioning and operation and maintenance of baggage handling systems, passenger boarding bridges and associated

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ground support equipment. Their qualifications for providing BHS services are found in the more than 300 BHS project installations and the TSA certified systems they have delivered at the largest airports in the United States.

JSM experience includes the design of TSA certified Checked Baggage Inspection Systems (CBIS), Checked Baggage Reconciliation Areas (CBRA), and On-Screen Resolution (OSR) rooms in support of the mandated 100% baggage screening requirement. They also designed CBIS Optimization and Recapitalization systems in support of updating original installations to the latest Planning Guidelines and Design Standards (PGDS) requirements. In addition to the design and construction of CBIS optimization projects, JSM has personnel that performed as TSA testing engineers responsible for system certification.

JSM is currently providing services for three large BHS projects. The first is the largest TSA funded CBIS project in history, which is the South and Central BHS optimization program at Miami International Airport. The second is the largest Individual Carrier System (Tote System) to be installed in the United States, which is the South Terminal Complex at Orlando International Airport. The third is the new airport terminal project at Kansas City International Airport. JSM senior personnel have been deploying baggage handling systems since the 1980s.

Illustrate My Design, LLC (IMD)

Founded in 2008, IMD helps leaders in Architecture, Engineering and Construction effectively communicate technical drawings to their audience to strengthen and streamline Design Development, Construction, Marketing and Communications. They have cultivated a team of professionals who have experience in Architecture and Digital Graphics deliverables that communicate a vision and design in the most captivating manner for a competitive edge. IMD focuses on providing value through visualization by creating enabling deliverables for both Consultants and Airport Authority. This consists of Analytical Tools for Phasing and Implementation Planning, as well as Communication Tools for presentations with stakeholders, airlines, and the general public.

IMD partnered with Ricondo and ACAI to provide BCAD with 3D renderings and an 18-minute Passenger Experience animation video.

Quest Engineering Services & Testing, Inc. (QuEST) *(CBE)*

QuEST was founded by R. N. Sailappan, P.E. in 1998. QuEST was established with the goal of providing complex engineering services and capabilities of a large firm, but with the personalized service and attention to detail of a small firm. Their subsequent success is a testament to this approach. They have the equipment and technical capabilities to provide concrete, masonry and soils testing,



Gate 301 - EmbassAir at OPF

geotechnical drilling, and structural inspections. In addition, they have in-house equipment to conduct specialty tests such as paint thickness measurements, tests on **fireproofing materials**, corrosion studies, monitor ground vibrations (seismographs), sound analysis and light surveys.

QuEST provides comprehensive **material testing** necessary for code compliance and quality engineering services. Their laboratory is located in Pompano Beach, and has the capacity to handle any size project, large or small.

S&F Engineers, Inc. (S&F)

Sivananthan "Sri" Sritharan, P.E., principal founded S&F in 2001. Sri has over twenty-five years of experience in structural design and guides the firm's products and services. His personal involvement in nearly every project ensures that the services and designs meet the firm's stringent quality standards. Under Sri's guidance S&F have completed and are currently involved in numerous projects at the FLL such as the phased replacement of the concourse area of Terminal 4, CBP and, SWA Terminal 1 A&B, Air Cargo, and Provo GSE . S&F was also responsible for the modernization of cruise Terminals 4 and 25 at Port Everglades which is one of South Florida's foremost economic centers, as it is the gateway for both international trade and cruise vacations.

S&F has partnered with ACAI on projects for aviation, municipal, educational, and private clients for over 20 years. Aviation projects include Terminal 4 Baggage, CBP, and Enabling; and SWA Terminal 1 A&B, Air Cargo, and Provo GSE.

Smith Engineering Consultants, Inc. (SEC)

SEC is a multi-discipline engineering firm with an in-depth knowledge of energy, water, telecommunications, and architectural projects. SEC places a strong emphasis on

Section E: Evaluation Criteria

Ability of Professional Personnel - Subconsultants

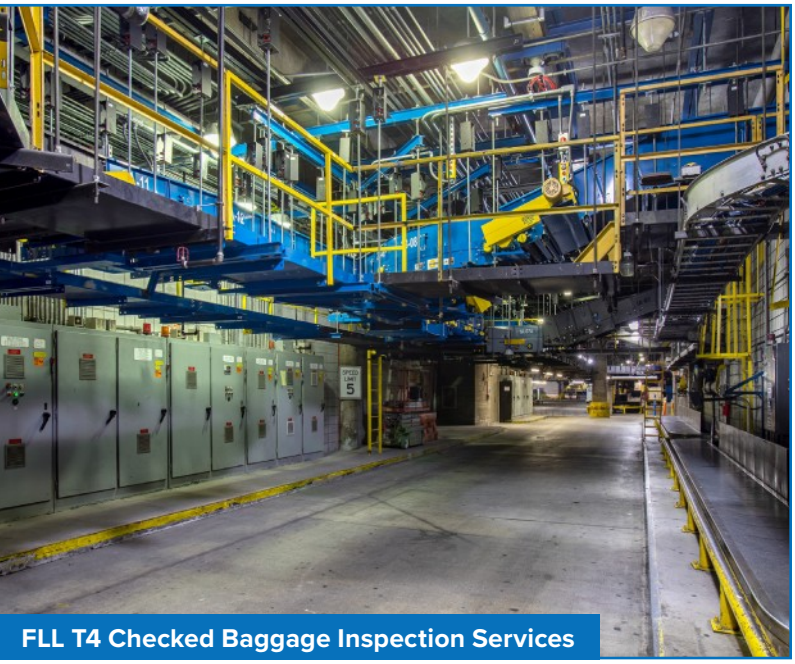
creating productive working relationships with clients. Because they believe that teamwork is the key to success, SEC's professionals are committed to responsive service, attention to detail, and effective communication and cooperation.

As Florida continues to experience tremendous growth, capital improvement projects will remain in the forefront of municipal infrastructure improvement efforts. The staff at SEC have played an important role in the design, construction, and renovation of facilities throughout the state. Public facilities require complex electrical and mechanical systems, including HVAC, plumbing, power, lighting, controls, instrumentation, and telemetry. SEC has the expertise in the design of these elements. Cost-effective design is the key to success for today's municipal infrastructure projects. Understanding that funding usually comes from a county or city's own tax base, our staff approach every design from a "Total Project" perspective. SEC provides the most cost-effective and efficient design for the long term, always looking hard at the client's operation and maintenance costs.

As south Florida's airports experience increasing **airside traffic, the supporting landside facilities must also expand.** SEC staff has completed the lighting design for runways and taxiways, new hangars, parking garages, and terminals. They have also provided the necessary engineering for the installation of numerous navigational systems at various airports.

Spinnaker Group (Spinnaker)

Spinnaker was incorporated in the State of Florida in 2003. As one of the most respected leaders in the green-building movement, the award-winning Spinnaker Group helps facilitate the delivery of the highest quality, sustainable building projects. Using an integrated team approach with a diverse range of clients, the firm has more than 150 LEED Certified projects under its belt and more than 700 million sf of commissioned building space worldwide. In addition to tapping USGBC's LEED and other rating systems as anchors of its sustainable consulting services, Spinnaker's diverse team of design and construction professionals offer project management, energy modeling, fundamental and enhanced building commissioning, neighborhood planning, operations and maintenance consulting, indoor air quality testing, and life cycle analyses for all types of building projects.



FLL T4 Checked Baggage Inspection Services

Amongst their 150-plus LEED certified projects to date (nearly half of which are LEED Gold), the Spinnaker team has been involved in the design and construction of several fire stations, emergency operations centers and other critical infrastructure projects. They have partnered with ACAI for more than 20 years on all of our major projects including Terminal 4 CBIS, and CBP, Broward Health Sciences Center, Broward County Ravenswood Bus Maintenance Facility, Nova Southeastern University Center for Collaborative Research, Guy Harvey Research Institute, and Peter Bluesten Park. Their experience with resilient sites and structures allows them to navigate through complex issues related to site layout, renewable energy systems, rainwater harvesting and healthy interiors. Spinnaker is well versed in the Florifa Building code and have professionals who are focused on the new FBC requirements for building Commissioning.

Spinnaker is proud to have assisted many cities across Florida to develop green-building regulations and incentives for both public and private sector development. Their President, Jonathan Burgess, worked with the City of Miami Beach to provide counsel on a green-building and resiliency ordinance which includes measures to enforce LEED Gold or Living Building Petal certification for any new construction over 7,000 sf. It is important to note that the advocacy effort described above were performed by Spinnaker as volunteers of the US Green Building Council Florida.

Stoner & Associates Inc. (Stoner) *(CBE)*

Since 1988, Stoner has practiced the art and science of land surveying, rising to the top of the industry with a focus on good character, reputation, and the successful completion of projects. Stoner is always seeking innovative solutions to improve their survey products and reduce turnaround times. They are continually updating their equipment and software to insure rapid and accurate data acquisition. Stoner's personnel are trained to look for innovative ways to approach projects through the use of technology.

Section E: Evaluation Criteria

Ability of Professional Personnel - Subconsultants

Stoner delivers critical surveying services in a timely and accurate manner, making them a trusted partner to both the private sector and government. Our relationship with Stoner has been very corroborative. **Their partnership with ACAI began in 2009 on the Broward College Health Sciences Center project. This partnership has continued while working on the Terminal 4 project and Deerfield Beach Elementary School renovation.**

Stoner brings the latest technology to projects - electronic and robotic total stations, automated data collection, Real Time GPS, and CADD Mapping Software.

UNICOM Government, Inc. (UGI)

UGI is a recognized information technology (IT) solutions leader and Unified Visual Communications (UVC) solutions technology integrator, focusing exclusively on Federal Government, state and local governments, and large systems integrators worldwide. For more than 35 years, UGI has been delivering maximum value to our customers by employing industry leaders, developing solutions to meet customer-specific challenges, and by teaming with global IT leaders such as Microsoft, Cisco, Symantec, HP, Extron, and Crestron. We combine our experienced engineers, broad range of products and services, and our extensive contract portfolio to best support our customers. By combining both products and services, UGI is a one-stop shop providing customers with a single point of contact (POC) for all their IT and audio visual (AV)/video teleconferencing (VTC) needs. Headquartered in Northern Virginia, UGI has offices throughout the United States and supports clients both within the continental United States (CONUS) and outside of the continental United States (OCONUS). Unicom provided a **runway/taxiway incursion system** at MIA, a **security and infrastructure project** at Venice Airport, and a conceptual design to Page Field to use on a project book for their bidding process. UGI is a new partner with ACAI.

US Utility Potholing & Air Excavation (USUPAE) *(CBE)*

USUPAE with SBE/CBE status in Broward County, provides vacuum excavation utility locating, potholing and sewer/storm drain cleaning services. USUPAE has been a firm believer in the use of vacuum excavation for a number of reasons. Most importantly, because vacuum excavation (Hydro/Air), when used to break-up soil to discover a buried utility it flows around the conduit, pipe, or cable when in direct contact versus cutting into it.

USUPAE services may include utility mark-out, arranging for any necessary "stand-by" personnel (HP Gas, fiber-optic, electric, etc.), arranging for private professional mark-outs, obtaining approved traffic control plans, obtaining necessary encroachment/traffic control permits, vacuum excavation of the target utilities, full depth and size measurements as requested by the client, complete photo essay of each pothole location, back-fill, compaction, and site patching as required. Once completed, all pothole sites are clearly marked via survey nail, feather, or lathe stake. Most importantly, USUPAE prepares a **"Subsurface Utility Report" with their proprietary software that includes all the data necessary for design engineers to locate horizontally and vertically any potential conflict** when designing a new pipeline, road widening or other major project.

Cost Management Inc. (CMI)

CMI is a construction consulting firm established in March 1995. They have provided cost consulting services for more than 1,100 projects of varying size and complexity. This includes continuing cost estimating and scheduling services for approximately 250 aviation projects.

Their experience at FLL/ HWO includes the following projects:

- Pedestrian Bridge Analysis (2001)
- Concourse A/B Taxi Lane and Aircraft Parking (2003)
- Terminal 3 Las Olas Hollywood Blvd Concept (2001)
- Taxiway B Extension (2001)

CMI's philosophy is that an estimate should always be more than a means to satisfy a contractual obligation. It should be a useful tool to assist the Owner in the decision-making process. They have adopted a novel approach (a combination of cost modeling and conceptual budgeting) that allows them to establish realistic design-to-cost targets, as early as the Project's inception.

CMI is currently one of our consultants on our Department of Corrections contract.



E FIS Advanced Planning Study at MIA

Section E: Evaluation Criteria

Ability of Professional Personnel - Subconsultants

The Chappell Group, Inc. (TCG)

TCG was founded in 2005 and provides environmental consulting services to both the public and private sectors serving the South Florida area and the Caribbean. TCG specializes in wetlands delineation, marina and wetland permitting, marina design, wetland mitigation, and monitoring; threatened and endangered species surveys and habitat management plans; environmental impact assessments; benthic surveys; and all forms of **environmental permitting and compliance for Federal, State, and local agencies.** For over 15 years, TCG has provided environmental permitting services for various projects, project phases and permit compliance. TCG coordinates with various local, State, and Federal agencies during the pre-application process, the permitting processes, and the compliance phase. They have experience with agencies such as United States Army Corps of Engineers, South Florida Water Management District, Florida Department of Environmental Protection, Florida Game and Freshwater Fish Commission, United States Fish and Wildlife Service and many County Environmental Regulatory Agencies throughout the State of Florida.

TCG's relationship with ACAI began in 2011 on the Broward County Ravenswood Bus Maintenance Facility project. Their extensive experience in permitting for small and large public capital projects makes them qualified for this project.

Thompson & Associates, Inc. (T&A) *(CBE)*

T&A, a County Business Enterprise, was founded in 2008 and is focused on providing quality and responsive professional engineering consulting to their clients. The Firm's President, James F. Thompson, PE, has over 25 years of municipal project experience in Broward County ranging from small treatment plant retrofits to large neighborhood redevelopment projects. Vice-President in charge of the Broward office, Darren L. Badore, has over 25 years of municipal project experience with an emphasis on Broward County as a client. His aviation experience began with working on a **BCAD continuing services contract** in 1995, designing Gate 100, several perimeter road projects as well as preparation of various site plans for BCAD owed properties outside of the airport. His additional experience managing the Terminal 1 taxiway and concrete apron project, permitting for the South Runway Expansion, and demolition of the Hilton Hotel and Dania Boat Sales have allowed him to develop the skill set to design and manage projects for BCAD whether they are air or landside. T&A utilizes the **latest software and technology** on all projects which allows them to complete tasks in a timely manner. It is this efficiency that enables T&A with meeting project scheduling and budgeting goals and maximizes communications and file sharing with our clients.

T&A's relationship with ACAI was established five (5) years ago and has been growing stronger with each successfully completed project. ACAI is currently a subconsultant to T&A on an existing Continuing Services Contract with Broward County Parks & Recreation Division and T&A is a subconsultant to ACAI on several of our Broward County contracts as well as our contract with the School Board of Broward County and a previous FDOT contract.

Delta Q Consultants, Inc. *(CBE)*

Delta Q Consultants Inc. and their support team (Delta Q) are leaders in understanding the science behind fire, explosion and blast effects. Delta Q has applied state of the art analysis methods in support of operations worldwide to help define facility fire and blast vulnerability to establish hazard mitigation strategies, fire water and other safety system specification studies and accident/near-miss incident investigations. Delta Q also has extensive experience in materials fire testing for ignition and spread rates to help understand fire behavior and hazards. The combined experience in both fire and blast testing and analysis provides a strong understanding to support solutions in a wide range of facilities.

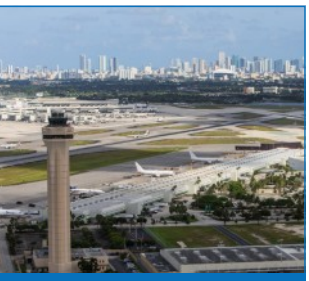


Gate D60 at MIA

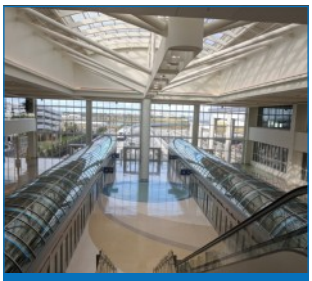
Section E: Evaluation Criteria

Ability of Professional Personnel - Proposed Team

Team Airport Experience


Miami International Airport

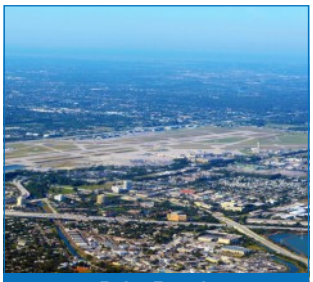

Fort Lauderdale Executive Airport


Orlando International Airport


Los Angeles International Airport


John F. Kennedy International Airport


Miami-Opa Locka Executive Airport


Palm Beach International Airport


Tampa International Airport

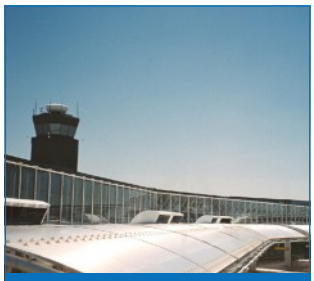

Fort Lauderdale-Hollywood International Airport


Newark Liberty International Airport

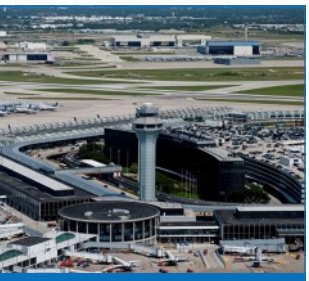

Yeager Airport


El Dorado Airport

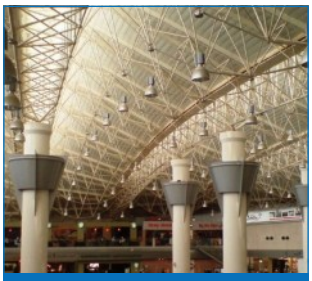

Bradley International Airport


Baltimore-Washington Airport


Charlotte Douglas Airport


Chicago O'Hare International Airport


Cleveland Hopkins Airport


Kuwait International Airport


LaGuardia International Airport


Midway Airport


Richmond International Airport

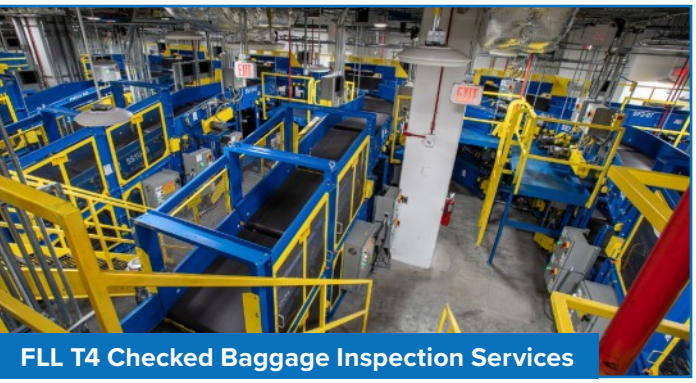

Sky Harbor Arizona Airport


V.C. Bird International Airport


Van Nuys Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



FLL T4 Checked Baggage Inspection Services

CBIS at FLL

Fort Lauderdale, FL

The Fort Lauderdale-Hollywood International Airport needed to comply with government regulations and upgrade their checked baggage inspection services (CBIS) and screening facilities located at Terminal 4. The new CBIS included the buildout of TSA support spaces, baggage carousel operations, BHS conveyor mezzanines, and support facilities to accommodate four new automated EDS machines and 21 CBRA inspection stations. The project required a completely new conveyor system adjacent to the existing manual baggage handling space. This 32,000-sf fast-paced design was completed concurrently with adjacent construction of Terminal 4, concourse G.

Coordination of the existing utilities was achieved by using scan to BIM technology over the whole footprint of the new CBIS. This required careful coordination between the A/E team, the BHS team, and the design/build contractor to integrate the new system with the current baggage lines and utilities so that construction was not impeded. The Project was built in two phases to include expansion of the CBRA into areas of the former manual screening station. A third phase was added to include a manual induction belt to accommodate pre-checked cruise passenger baggage delivered in bulk to the airport to be introduced into the CBIS System.

This project reflects ACAI's experience in coordinating project site conditions and the complexity of integrating the Baggage Handling System design with existing and new utility systems on site. The coordination of major phased construction included more than 30 phases of BHS system installation to maintain the existing system in use while the new system was installed.





FLL T4 Federal Inspection Services



FIS at FLL

Fort Lauderdale, FL

ACAI is the Architect for the new Federal Inspection Services (FIS) at Terminal 4 of Fort Lauderdale-Hollywood International Airport (FLL). This 144,000-sf facility is used by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks, and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP in a live operating major hub airport. The expanded FIS facility will increase the capacity of international passengers that can be processed at Terminal 4 from 800 to 2000 passengers per hour.

Built within an operating airport the new facility will include the following state-of-the-art delivery features and enhancements that will be consistent with the latest CBP's Airport Technical Design Standard include:

- Reconfiguration and expansion of the FIS
- 60,000 SF of operational and enabling phasing

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

- FIS inbound baggage area and system
- Tenant lease space
- Building life safety design
- Way finding signage
- Interior finishes
- Maintenance of operations
- Maintenance of passenger movement
- Enhanced passenger baggage re-check facility
- Administrative offices



Fort Lauderdale Hollywood International Airport

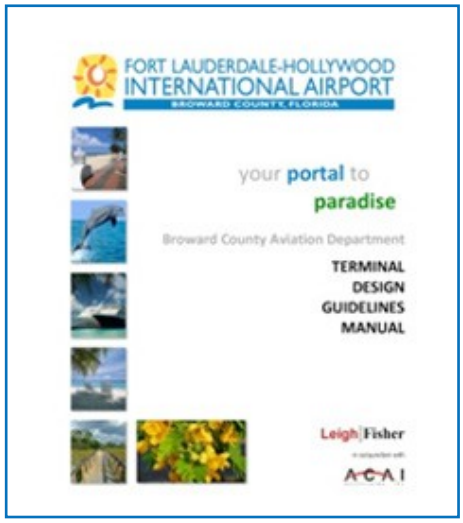
Terminal Planning at FLL w/Leigh Fisher

Fort Lauderdale, FL

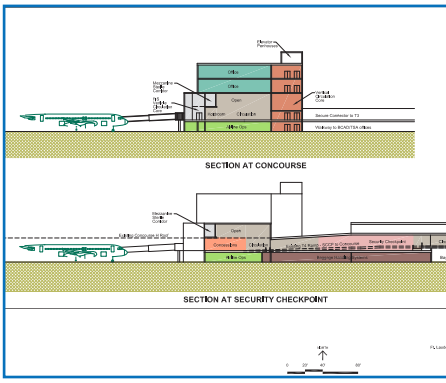
Our work with Leigh-Fisher notably included developing the Terminal and Tenant Design Guidelines and Standards for BCAD and the early planning for the vertical expansion of Terminals 1 and 2 (T1, T2).

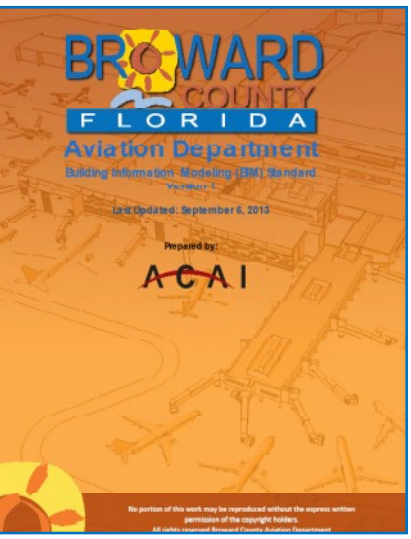
Projects included:

- Terminal Design Guidelines for FLL
- Tenant Design Guidelines at FLL
- Near-term Cruise Ship Processing Study
- Concourse G Expansion Study
- Terminal 1 Near Term Programming Study
- Terminal 2 Near Term Programming Study
- Terminal 3 Near Term Programming Study
- Terminal 4 Near Term Programming Study
- Near-term Cruise Ship Passenger Processing Facility - Cypress Alt.
- Airport Land Use Strategy and Planning









General Engineering Services for BCAD at FLL

Fort Lauderdale, FL

ACAI teamed with EAC Consulting, Inc., to provide architectural, VDC, construction management, program management, and engineering services for a General Engineering Contract BCAD. The projects under this contract were located at Fort Lauderdale-Hollywood International (FLL) and North Perry (HWO) Airports. Services included the preparation of reports, cost estimates, design (including construction documents, construction administration, and inspection services), staffing for engineering production, and studies.

Projects included:

- *FLL East Perimeter Road Water Main Improvements* – ACAI was involved during construction phase performing on-site inspections.
- *FLL South Perimeter Road Force Main Improvements* – ACAI was involved during construction phase performing on-site inspections.
- *FLL T-4 Hydrant Fueling System Infrastructure* – ACAI was involved during construction phase performing on-site inspections.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



FLL Taxi and Limo Holding Lot



- *FLL Taxi and Limo Holding Lot* – ACAI provided full A/E design and post design services.
- *FLL Water and Wastewater Master Plan* – ACAI was involved providing in-house drafting assistance.
- *FLL Westside Water Main Improvements* – ACAI was involved during construction phase performing on-site inspections.
- HWO Wayfinding Signage Improvements – ACAI provided full A/E design and post design services.
- *BIM Standards for all Airports under BCAD* – ACAI developed BIM Standards for all design and construction services.
- *Feasibility Evaluation for FLL Terminal 2 Modernization* – Project was cancelled by Owner.
- *Feasibility Evaluation for FLL Terminal 3 Modernization* – Project was cancelled by Owner.

ACAI has been in the forefront of developing BIM standards for the design community for both architectural and MEP/FP modeling applications. We have our own scanning equipment that allows us to document existing conditions and integrate the information into as-built field conditions before design begins. We developed the BIM standards document for Broward County Aviation Department in 2013, and they are part of BCAD's movement to developing applications for their maintenance programs using the COBie documentation from construction documents to track equipment and systems in FM programs such as Maximo.

Airport Expansion Program (AEP) at FLL

Fort Lauderdale, FL

As part of the Owner's Representative Team, ACAI was throughly involved in the Airport Expansion Program at the Fort Lauderdale-Hollywood International Airport. Projects under this contract included:

Long Term Sanitary Sewer (Force main): This project was divided into two phases: Phase 1 (Segment A) was required to open the Consolidated Rental Car (CRCF) Facility and Phase 2 (Segment B) completed the Master Plan. ACAI was responsible for scheduling and civil inspections.

Westside Infrastructure and Taxiway C: This project consisted of two tasks:

- *Task 1:* Westside Infrastructure project supports future tenant development. Construction included a stormwater management system, main potable water and sewer lines with relocated lift station, Communications/FPL/ FAA duct banks, and realignment of West Perimeter Road.
- *Task 2:* Taxiway C provides for the construction of a new taxiway extending from Taxiway D west to the end of Runway 9L-27R parallel to existing Taxiway B. ACAI was responsible for the development of the schedule and construction phasing plan while monitoring monthly progress.



Westside Infrastructure and Taxiway C



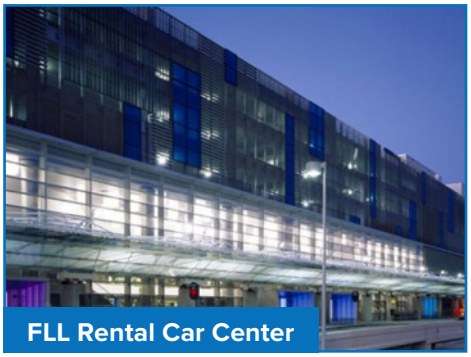
Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Pedestrian Bridges: construction of new, climate-controlled pedestrian bridges linking the Palm and Hibiscus parking garages to Terminals 2, 3, and 4. ACAI was responsible for the development of the schedule and phasing plan.

Rental Car Center: This nine-story facility groups the rental car companies at one location and provides a common mode of transportation to and from the passenger terminal buildings. The RCC consist concrete garage structure, connecting roadways and ramps, customer service areas, office areas, and a vehicle servicing area. ACAI was responsible for reviewing and approving the monthly contractor schedules, creating a punchlist, and for pre-commission inspections.

Exit Roadways: Design and construction of the third phase of the upper and lower-level roadway system. ACAI's responsibilities: scheduling and monthly progress monitoring.



FLL Rental Car Center





FLL Pedestrian Bridges



BCAD Air Cargo Facility

Fort Lauderdale, FL

ACAI provided its Architectural services for this 35,000-sf state-of-the-art air cargo facility located at the Gate 100 area of the Fort Lauderdale-Hollywood International Airport. This facility was part of the Airport's Expansion Program.

ACAI was responsible for full-service design and construction administration. Our Construction Administration services included both airside and landside operations.

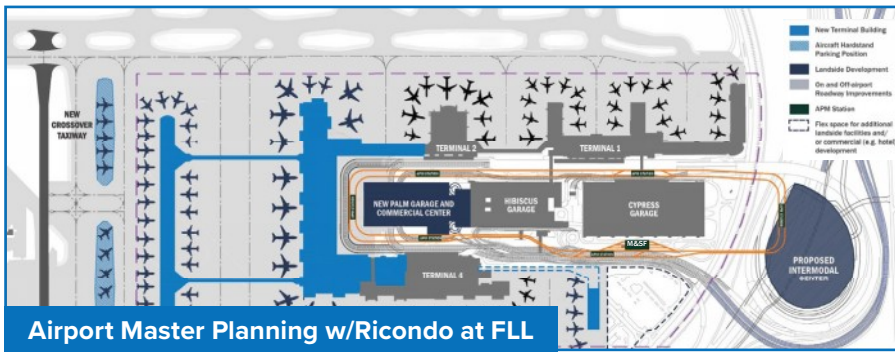
The tenants at this facility include Delta, Southwest Airlines, and the United States Postal Service.

Airport Master Planning w/Ricondo at FLL

Fort Lauderdale, FL

ACAI participated in the Masterplan update of the Fort Lauderdale Hollywood International Airport, with responsibility for developing the existing space inventory of the passenger terminal facilities. The CAD drawings, data, and information collected as part of this inventory served as a baseline of existing conditions by which the subsequent master planning analysis was based. This required understanding of the ongoing terminal improvements and renovation programs for Terminals 1, 2, 3, and 4.

ACAI coordinated with BCAD to determine which Airport improvements would be treated as an existing condition using the terminal space plans provided by BCAD as a baseline. A tabulation of terminal space inventory was prepared by ACAI and coordinated with Ricondo and Associates for the conventions and organization of CAD space plans and inventory data tables.



Airport Master Planning w/Ricondo at FLL



Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

ACAI prepared a Rough Order of Magnitude (ROM) estimate for the various phases of the masterplan projects based on gross areas of development and unitized costs for similar functional areas, to include escalation over 10 years.

Floor plans identified rooms/spaces according to major functional categories including:

- Airline facilities
- Airport and other Agencies
- Department of Homeland Security
- Building services
- Commercial programs
- Other common areas

ACAI has significant experience with the various components of terminal planning and phased construction as illustrated by our work with major hub airports. We provided FLL baseplan documentation and mapping of all anticipated masterplan improvements for terminals and parking. ACAI also provided ROM estimating services for the FLL Masterplan Update submitted in 2019.



Airport Master Planning w/Ricondo at FLL

SWA Terminal 1 Renovations at FLL

Fort Lauderdale, FL

The Southwest Airlines Master Plan to expand Line MX operations in Terminal 1A and 1B was built as two construction projects each with multiple phases to maintain current operations.

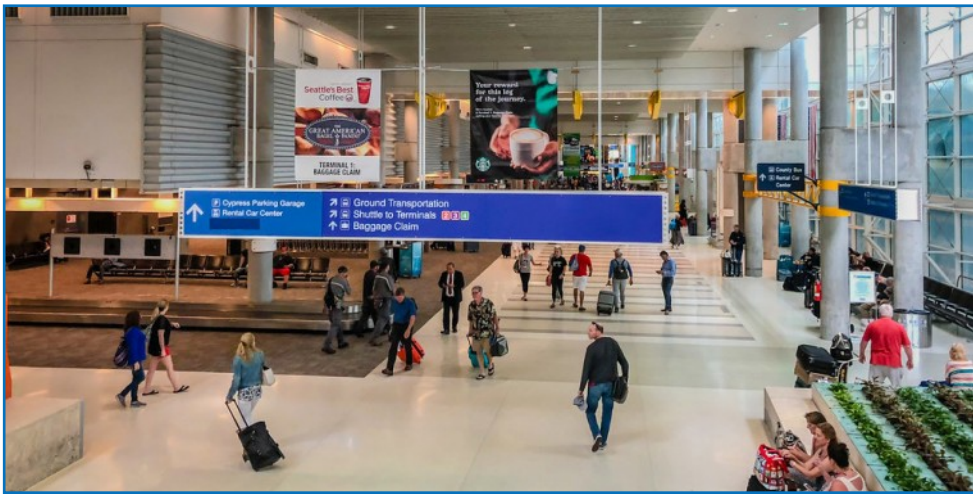
Southwest Airlines Terminal 1 – Concourse A – Line Maintenance Expansion: The Project included the build-out of 9000 sf of shell space to accommodate a machinist tool room with workbench space and storage, administrative offices, break room and locker room space.

Southwest Airlines Terminal 1 – Concourse B Expansion – Ground Operations: The 17,300 SF renovation included a station service area, operations area, ramp supervisors' area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow on-going operations of the departments.

The renovations and expansion of SWA Line MX services highlight ACAI's experience working with an airline to expand their feet support systems at a major airport facility. SWA's addition of 7 new gates in Terminal 1A and the growth in international destinations that SWA serves from FLL required a masterplan approach to expanding all ramp level services while maintaining operations at all gates.



SWA Terminal 1 Renovations at FLL



Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



SWA Provo, GSE, Tech Ops and Facilities

SWA Provo, GSE, Tech Ops and Facilities

Fort Lauderdale, FL

ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for the fast-paced project to renovate this 23,000-sf metal framed warehouse at Fort Lauderdale-Hollywood International Airport (FLL).

This replacement facility allowed SWA to build a staged expansion of their whole SWA station at FLL. The reuse of the existing warehouse required the addition of a vehicle service ramp to the 4' high deck for the service bays, and significant repair to the overhead doors and metal clad building. The electrical service to the building was expanded and new water connections were required for two large commercial ice houses that provide 24-hour service to the catering trucks on site. The facility also includes offices, break rooms, restrooms, lockers, and a data center for the operation of the services.

Special MEP systems were added to the building for the use of compressed air, power tools, ventilation systems and large ventilation fans.

The facility has room for expansion into adjacent bays as the services expand at the FLL station.

ACAI designed this Ground Support Equipment Facility in an existing warehouse to serve the FLL station for Southwest Airlines. The facility is used to provide service and repair to airside vehicles including tugs, catering vehicles and service trucks. the project also included staff offices, break room, restrooms, and showers.

SWA G03 Air Cargo Facility at FLL

Fort Lauderdale, FL

ACAI was responsible for Architecture, Interiors, Engineering, and Construction Administration for this fast-paced project to renovate 1400 sf (three bays) of the existing precast concrete framed air cargo facility at Fort Lauderdale-Hollywood International Airport (FLL). Expansion of the SWA air cargo facility included the relocation of all tenant reception counters, business offices, data center, restrooms, lounge, and locker rooms. The relocation of insulated walk-in refrigerated units was phased to maintain airline operations at all times during construction. The project included security walls between the open warehouse facility airside, and the business offices open to the public on the landside.

Segregated sections of the warehouse were designated for Customs Storage for Air Cargo being received or shipped out internationally.



SWA G03 Air Cargo Facility at FLL



Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



Public Safety Complex at FXE



Public Safety Complex at FXE

Fort Lauderdale, FL

Delivered as part of General Consulting Contracts, ACAI served as the Design Criteria Professional, Design Architect, and Architect-of-Record for this multi-phased project to house the City of Fort Lauderdale's Executive Airport Administration functions.

Phase 1:

- Police Substation
- An Interim Emergency Operations Center
- Offices for the airport's Director and staff

Phase 2:

- Airport's Air Rescue Fire Fighting Facility along with its Training Center, Fire Station and the City's permanent Emergency Operations Center

Phase 3:

- Expansion
- Systems Upgrade
- Sustainability Upgrades

This project showcases ACAI's experience and ability to program and develop a design criteria for aviation administration, law enforcement personnel and airport emergency operations center. ACAI also has extensive experience providing onsite Construction Management Services for aviation projects for projects of this size and complexity.

Aircraft Rescue and Fire Fighting (ARFF) at FXE

Fort Lauderdale, FL

Delivered as part of a General Consulting Contract, ACAI served as the Design Criteria Professional and Design Architect for this multi-phased project to house the City of Fort Lauderdale's Executive Airport Administration functions.

The ARFF is a consolidation of the City's multiple Fire Fighting activities under one roof. Housed in 29,000 SF of space the facility includes apparatus area, the City's west Emergency Operations Center, and Fire and Rescue Training Facilities. The two-story structure contains fire department related offices, kitchen facilities, and sleeping quarters for 12 firefighters.

The facility was designed to handle airport runway emergencies as well as landside and city fire emergencies. The ARFF is serviced by an emergency generator to prevent any disruption of service to the community.

As part of ACAI's responsibility, the firm represented the Owner in all matters related to project delivery and conducted inspection services during construction.



Aircraft Rescue and Fire Fighting (ARFF) at FXE



Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



Customs Facility at FXE

Fort Lauderdale, FL

ACAI provided construction management services during the construction phase of the U.S. Customs and Border Protection Facility at Fort Lauderdale Executive Airport.

This project entailed the construction of a single-story, 7,900 sf facility designed to achieve a minimum rating of LEED Silver certification. The facility includes administrative office areas, restroom and bathing facilities, parking including spaces for the physically disabled, hybrid vehicles and carpool spaces, site lighting, irrigation and landscaping improvements, sidewalk, and accessible paths for the physically disabled.

ACAI responsibilities included:

- Weekly site visits during construction to observe progress and compliance to Contract Documents.
- Monthly review and analysis of the construction schedule to monitor the percent of work completed and whether the project is on schedule.
- Facilitation of responses to RFIs and other requests received from the contractor.
- Review of changes orders and preparation of cost estimates as required.
- Participation in bi-weekly construction progress meetings with the Owner and Contractor.
- Assisting the City in coordination with State, County, and local permitting agencies.

The FXE CBP facility is another example of ACAI's experience and ability to program and develop design criteria for complex facilities for the aviation market. We also provided Construction Management services for this project, with onsite representation and direct communication to the city as owner and the contractor for the project. This project was awarded LEED Silver certification.



Customs Facility at FXE



Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

MDAD - EDP Bldg. 845 Re-roofing and Waterproofing

Miami-Dade County, FL

ACAI provided Design and Post Design services related to the re-roofing and exterior glazing, and the wall waterproofing for an existing MDAD office building at Miami International Airport.

Work included the removal and replacement of existing skylights with a new roof structure, removal, and replacement of the existing roofing system with new insulation and a TPO roofing membrane, caulking and resealing existing window areas, precast wall joints and repainting the exterior.

We encountered a number of unanticipated issues which had to be addressed, these are as follows:

- There was no structural frame on the existing skylights, so we could not replace them within the scope of this project. We resolved this by sealing the skylights with a tinted coating to continue to allow natural light into the space below.
- During the reroofing, it was discovered that the previous roofing system had not been installed properly so the demolition became more intensive to allow the Contractor to install the new roofing properly.
- The project also required coordination with Federal Agencies for security concerns – which was a new requirement.
- There is an extended gap between completion of the construction documents and the start of construction as Owner elected to self-perform some HVAC work.
- Existing roof drains were discovered which had previously been roofed over.
- The construction has proceeded on scheduled, but is now delayed at the completion due to difficulty with getting final fire inspection due to the Covid pandemic



Bldg. 845 Re roofing and Waterproofing







Opa Locka Exec. Airport





Opa Locka Air Traffic Control Tower

Opa Locka, FL

ACAI was retained by Kimley-Horn and Associates to perform construction management services for the Opa-Locka Executive Airport Air Traffic Control Tower. The work included a review of the architectural, mechanical, electrical, and plumbing components, special inspections of the steel connection and precast elements as well as threshold inspections.

ACAI served as the part-time Resident Project Representative and Engineer's agent at the site, by providing a review of the progress schedule, shop drawings, sample submittals, and served as the liaison between the contractor and engineer.

ACAI has much experience working with Aviation Consulting Engineering firms on airfield projects. We are familiar with the regulatory agencies and security requirements of airfield projects from programming, site planning, civil and airfield design coordination, architectural design and permitting services. ACAI's proven construction management experience on airfield projects demonstrates the firm's ability to provide leadership in aviation projects of all sizes.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



TSA MIA Concourse TI Buildout

TSA Offices at MIA

Miami, FL

This project is for the US Department of Homeland Security, Transportation Security Authority (TSA) located at Miami-Dade County Airport (MIA) Concourse "G" 2nd Floor. The project is a Tenant Build-Out of leased space from MIA and consists of pre-design, design, post design, testing (ACM, EE & T&B), FIV's and permitting services. The space was designed to include administration support offices, break room, and agent offices.

This project is a good example of ACAI's ability to work in active terminal facilities to provide project programming, design and permitting services for a tenant project in a large hub airport. ACAI's ability to provide a thorough site analysis, detailed programming and responsive design process and our experience with local permitting processes and agency review make us a leader in aviation project design. Also included were multiple reviews by MIA's General Engineering Services.

TSA Offices at PBIA

Palm Beach, FL

This project was for the US Department of Homeland Security, Transportation Security Authority (TSA) located at Palm Beach International Airport (PBIA) at security checkpoint 'A-B'.

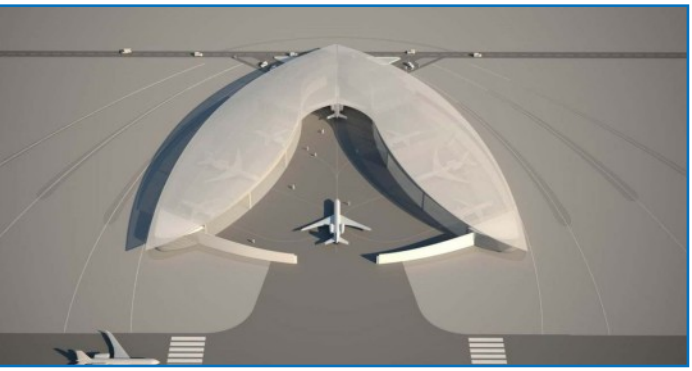
The project was a Tenant Build-Out of approximately 4,800 sf of leased space from PBIA with architecture, engineering, fire protection, and testing as part of the professional services performed. The space was designed to include administrative offices, support spaces, operations center, and crisis room. All work was permitted through Palm Beach County and PBIA.

ACAI's scope consisted of pre-design, de sign, testing (ACM, EE & T&B), FIV's, and Permitting services.



TSA Offices at PBIA


Gate 301 - EmbassAir at OPF



Gate 301 - EmbassAir at OPF

Opa Locka, FL

ACAI provided pre-design services related to the development of a Preliminary Design Package for a high end, technology driven prototypical FBO of approximately 400,000 sf including associated ramps, surface parking, and other land and airside ancillary amenities. The area of the FBO building is approximately 115,000 GSF, with the conceptual design package prepared by a French architect as part of this overall package of improvements to address the requirements of Miami-Opa Locka Executive Airport (OPF) for Embassair Group International.

ACAI was instrumental in developing the Pre-design Package required by OPF and the FAA for Embassair to execute a lease at OPF. Final deliverables included a Site Plan, Floor Plans, and Building Elevations. The project pre-design services included consultations with MDAD, Civil Engineering Consultants, and various other project teams to address airfield planning, fueling, water detention, site access, and parking facilities for this site on the southern edge of OPF.

ACAI has the breadth of knowledge and experience in the programming and planning of new terminal facilities at local airports in conjunction with civil and aviation airfield consultants. We have experience with FAA requirements and Broward County permitting process requirements.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



Advanced Planning Study for Gate D60 at MIA



Advanced Planning Study for Gate D60 at MIA

Miami, FL

ACAI is providing Pre-Design and Programming Services to replace the existing 270,000 sf Gate D60, one-story open-air commuter gates, with a new enclosed concourse that will match the adjacent three-story concourse D. The project involves renovation and expansion on the existing sterile corridor connections, baggage handling, airline operations and, passenger accommodations to serve a projected increase in domestic and international gate needs at MIA.

ACAI's responsibilities include developing concept exhibits for the gate expansion, terminal operations, proposed construction phasing and design criteria, based on terminal metrics and projections provided by Ricondo to be part of a Project Definition Document (PDD). ACAI will also define the major design elements and preliminary code requirements for the project as part of the PDD and coordinate with other Ricondo subconsultants who are providing studies of airside modifications, BHS equipment needs, passenger boarding bridges, baggage handling and Rough Order of Magnitude budgeting for the project.

Phased planning for this expansion includes maintaining airport operations for at least half of the exiting air service to the gate D60 area while the project is constructed in 5 phases.

ACAI is currently providing planning and architectural conceptual design services for Gate expansion at terminal D. This project includes phased development of the facility to accommodate existing utilities, BHS services and airline operations for existing ramp level gates.


MDAD EDS Scanning Room

MDAD EDS Scanning Room Concourse J, Gate 3

Miami, FL

ACAI provided design and post-design services related to the installation of an Energy Dispersive Spectroscopy (EDS) screening device, CBRA tables, and x-ray machines in a new secure baggage room to be built in the open baggage room under terminal J at MIA. The project consisted of the designing and building out of the 1,340 sf EDS Scanning Room within a compressed timeline. This was a critical component to the commencement of the El Al Airlines direct service to Miami International Airport.

This built-out took place within the existing ramp level of Concourse J, Gate 3, and included several high-tech scanners, bomb detectors, and x-ray machines, used for secondary screening of customer baggage, before placing them on the aircraft. The room includes a dedicated air handler unit, technology, LED lighting, security, and a hardened perimeter wall to secure the baggage. Drawings were developed and issued for a permit within a compressed time frame of one month, in close coordination with the Manuel Freire E.I., Construction Manager 2 with MDAD. The construction duration was also compressed to about 45 days from start to substantial completion. The construction was completed, inspected, and turned over to the El Al in-time for the first scheduled flight from Miami to Tel Aviv.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

This Project demonstrates ACAI's commitment to project delivery to meet the needs of airline project schedules. We were able to address the technical requirements for this complex project quickly and expedite the permitting process working with MDAD management team. This new BHS screening facility was designed, permitted, built, and inspected in 5 months to meet the schedule for new direct air service launch from Miami to Tel Aviv for El Al Airlines.

E-FIS Advanced Planning Study at MIA

Miami, FL

Expansion and reconfiguration of the FIS in Terminal E is part of the vision for the development of the Central Terminal Renovation (CTR) at MIA. ACAI provided Architectural planning services to include a study of the vertical circulation options for new escalators and elevators between the third floor and the ramp level baggage hall. ACAI's architectural design concepts for E-FIS are based on the use of daylight along the perimeter of the expanded floor plate, and the integration of foliage patterns inspired by the natural flora and fauna in the South Florida landscape.

Improved passenger experiences are included in many features of the E-FIS. Wayfinding is enhanced by the use of finishes and colors to clarify circulation patterns and provide a sense of clear circulation through the FIS. New glass facades and exit stairs on the CTR enhances daylighting at the south end of the FIS baggage hall. The use of glass partitions with natural patterned imagery defines passenger flow both in the primary hall on the third floor and between the secured and cleared waiting areas at the baggage carousels at the bag hall. Amenities include new restrooms and family waiting spaces in the Primary Hall and space for passenger waiting near the new recheck baggage facility for transfers to domestic flights and cruise line services. ACAI draws on its years of experience in ADA facility evaluation and design to include ADA compliant solutions for this project and all our design work.

ACAI is attuned developing unique concepts to renovating existing facilities that enhance the passenger experience while also addressing functional requirements of airport operations. The design concepts images for MIA Terminal E FIS include lighting solutions to the primary hall that enhance wayfinding and integration of utility systems in the ceiling forms and textures. The use of glass at the perimeter also opens up vistas in this large floor plate and highlights the locations of vertical circulation and baggage hall carousels for this three-story FIS facility.



E FIS Advanced Planning Study at MIA







New South Runway and Terminal 4 Expansion

New South Runway and Terminal 4 Expansion

Fort Lauderdale, FL

TYLI provided program management services for the new $1.3B South Runway and Terminal 4 Expansion at Fort Lauderdale-Hollywood International Airport. The scope of work included the construction of the new South Runway, adjacent taxiways, high speed exits, and holding pads. Additional work also included the replacement of gates, reconfiguration, expansion, and required demolition of Terminal 4.

MIA Runway 8R/26L Pavement Rehabilitation

Miami-Dade County, FL

TYLI was responsible for design services as well as construction phase services for the pavement rehabilitation of Runway 8R/26L; including adjacent connector taxiways and associated utility adjustments. The project also included adjustment and replacement

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

of existing airfield lighting, pavement striping and grooving. Phasing and maintenance of aircraft traffic were also key elements of this project. The professional services provided by the firm included, preparing contract documents, engineering reports, construction estimates, quality assurance/ quality control, project management, and assisting the County with bidding and award, as well as, work site and work related services during the construction phase. Engineering services included civil, electrical, and structural design.



Runway 12/30 Pavement Rehabilitation

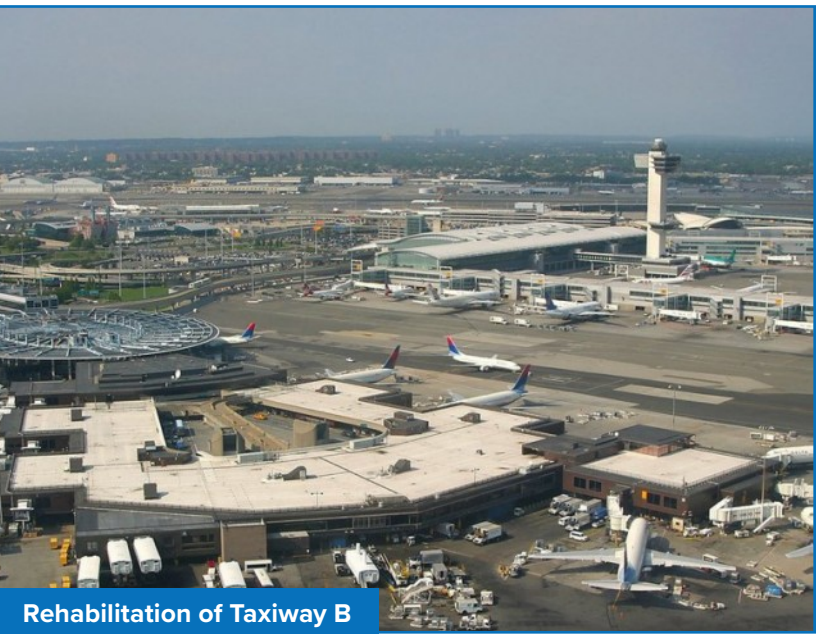
Runway 12/30 Pavement Rehabilitation

Miami-Dade County, FL

TYLI served as Engineer of Record for the design, construction administration, and inspection for the rehabilitation of the 9,400-foot-long Runway 12-30. The scope of work consisted of the following:

- Mill and resurface runway and parallel taxiways with performance grade hot mix asphalt.
- Correct non-conforming airfield geometrics of convergent taxiways and runway thresholds.
- Prepare Construction Safety and Phasing Plans (CSPP) incorporating compliance with FAA's New AC 150/5370-2F.
- Conduct Safety Risk Management (SRM) meetings, coordinate with FAA, Airlines, and AOA Operations.
- Replace all runway in-pavement and edge light system fixtures, top cans, conduit and cable; including MALSR threshold lights, runway threshold lights and airfield signs.
- New in-pavement taxiway centerline and edge lighting including cable, conduit, base cans, and fixtures.
- Completely rewire all circuits serving runway and taxiways, remove abandoned cables, and rack cables through the manholes.
- Grooving of the runway and high-speed exits.
- Install an asphalt rejuvenator on the runway blast pads.





Rehabilitation of Taxiway B

Rehabilitation of Taxiway B

Queens, New York

TYLI was selected by the Port Authority of New York and New Jersey to provide design and construction administration services for rehabilitation of Taxiway B and segments of Taxiway A, Taxiway R, Taxiway S, and the Restricted Vehicle Service Road at John F. Kennedy International Airport — the sixth busiest airport in the United States.

The project scope included the rehabilitation of taxiways, shoulders, and erosion pavement; creating new grass areas; fillet revisions; new guidance signs and associated foundations and lighting; and revisions to the alignment of Taxiways R and S.

The scope of work also included airfield civil and electrical engineering services, as well as providing an on-site Lead Engineer/Architect at the client's offices to serve as the Port Authority Engineering Division's liaison with airport staff.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



T 5 Expansion Airside Civil Engineering

T-5 Expansion Airside Civil Engineering

Chicago, IL

The project consists of an approximately 300,000 square foot terminal expansion including reconfiguring the existing aircraft parking as well as providing six additional contact gates and four new hardstand positions. TYLI's scope of work includes all site/civil, apron paving, utilities and drainage, passenger boarding bridges, 400Hz, Pre-Conditioned Air, Visual Guidance Docking System, lighting, security, fueling and taxiway work to accomplish the design.

In addition to the extension, the project scope also includes modifications to existing areas of the terminal building to relocate six existing aircraft parking positions, in order to accommodate two new passenger boarding bridges for two new domestic gate, including fuel pits, 400Hz, Pre-Conditioned air, and Visual Guidance Docking Systems. TYLI's scope also includes a new Airside Access Security Gate and new Triturator Facility.



New Parallel Runway, NAVAIDS, and Taxiway Bridges

New Parallel Runway, NAVAIDS, and Taxiway Bridges

Charlotte, NC

At Charlotte Douglas International Airport TYLI provided the design services for the airfield lighting and NAVAIDs system, as well as structural engineering for the taxiway bridges as part of the design of the new 9,000 foot parallel runway — the airport's fourth runway and its third parallel runway.

The project included planning, runway and taxiway design, airfield pavement design, storm drainage, erosion control, runway lighting, and coordination with FAA and TSA. Construction involved two phases. The first phase included grading and drainage. The second phase include paving and lighting of the runway. The project was funded through federal grants, passenger facility charges, and bond funds.

Installation of a new Fire Protection System

Samana, D.R.

TYLI provided construction administration services for the installation of a Fire Protection System at the recently built Fuel Storage Facility in Samana, Dominican Republic. The work consisted of the installation of water pumps, above and underground pipes, a 70,000 gallons water storage tank, tanks cooling system, and alarms. TYLI services included the preparation of bid and award documents, evaluation of bids, and contract review. Additionally, the firm provided site inspections during construction and commissioning services.



Samana, D.R.

Impact Evaluation of New Fuel Hydrant System

Osbourn, Antigua

TYLI performed a hydraulic analysis to assess the impact of a new fuel hydrant system on the existing Fuel Storage Facility at the V. C. Bird International Airport in Antigua. Four different refueling scenarios were analyzed to determine the ability of the existing hydrant fuel pumps and piping system to accommodate a new hydrant fueling system proposed by the airport authority. The four scenarios were:

- Two large aircrafts refueling simultaneously at aircraft characteristic flow rates by existing pumps.
- One large aircraft refueling at aircraft characteristic flow rate by existing pumps.
- Two large aircrafts refueling simultaneously at reduced flow rates by existing pumps.
- Two large aircrafts refueling simultaneously at aircraft characteristic flow rates by existing pumps with new impellers.



V. C. Bird International Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Abandonment of the Existing Fuel Hydrant System

TYLI prepared construction documents for the de-commissioning of the existing fuel hydrant system and the demolition of the out of service fuel storage facility. The decommissioning of the existing fuel hydrant system included abandoning in place the existing hydrant pits, isolation valve pits, hydrant pipelines at existing Concourses C and D and the existing two 10-inch carbon steel transfer lines from the fuel storage facility to the hydrant systems. The abandoned lines and pits were cleaned, pressure-filled with a grout mixture, and capped. To accommodate future regrading of the apron associated with the construction of the new concourses, the hydrant pits were also cut down approximately 2 feet below grade. A total of 36 hydrant fueling pits, six isolation valve pits, five highpoint vents, and approx imately 9,525 linear feet of hydrant pipe were abandoned in place.



V. C. Bird International Airport



GSE PBB Equipment

GSE PBB Equipment

Orlando, FL

TYLI is serving as the Ground Service Equipment (GSE) Specialty Engineering for Phase 1 of the $2.1B South Terminal Program at Orlando International Airport (MCO). Phase 1 includes the design of GSE for 16 contact gates. The scope includes eight narrow body gates, six wide-body gates, (two PBBs each) and two jumbo gates (three PBBs each) with a total of 26 new PBBs. The design includes the PBBs, PBB foundations, PCA handling units, Point-of-Use 400 Hz GPUs, Service Transport Units, and the Central PCA Plant to service the PBBs. Additional scope elements includes aircraft layout, pavement markings and a GSE Facility that provides vehicular fueling, trash compactors for international and domestic waste, and a triturator station for aircraft blue water. TYLI's services include design and construction administration for the above scope.

Concourse E Improvements at MIA

Miami-Dade County, FL

TYLI provided design and construction phase services for new Passenger Boarding Bridges (PPBs), apron pavement repairs, new preconditioned air handling units (PCAir), and 400 Hz ground power units, and new hydrant pits for existing Concourse E gates. The work included preparing equipment procurement specifications for 11 PPBs, PCAir units, and 400 Hz units, and preparing construction packages for PBB foundations and 15,000 square yards of apron pavement. Documents were prepared to install new hydrant pits to service aircraft in relocated positions. New aircraft marking plans and details were prepared to reflect the new aircraft mix to be serviced.

This expedited design and construction project will provide 11 newly refurbished gates for American Airlines to supplement the North Terminal operations. TYLI worked closely with MDAD staff, fuel suppliers, and multiple contractors to address unforeseen fuel system issues in order to minimize delays to the project schedule and gate openings. TYLI also offered unique backfill procedures using controlled low strength materials to accelerate the subsequent pavement construction.



Concourse E at MIA



O'Hare International Airport

New Jet Fuel Transfer Pump for Shell Fuel Facility

Chicago, IL

Shell Oil Company owns and operates two pipeline systems at its Arlington Heights Facility, which supplies jet fuel to the Airport Service International Group (ASIG) fuel farm at Chicago's O'Hare International Airport. TYLI provided Shell Oil Company an engineering study and a conceptual design to increase the jet fuel transfer capacity at the facility. Upon review of the engineering study and acceptance of the recommendations by Shell Oil Company, TYLI provided detailed design and preparation of construction documents to upgrade the 900/1000 bbl/hr jet fuel transfer system to an 1,800 bbl/hr system by installing a new pump capable of transferring this capacity through either one of the two 6-inch pipelines. The design included modifying and upgrading of the existing power supply and pump controls.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

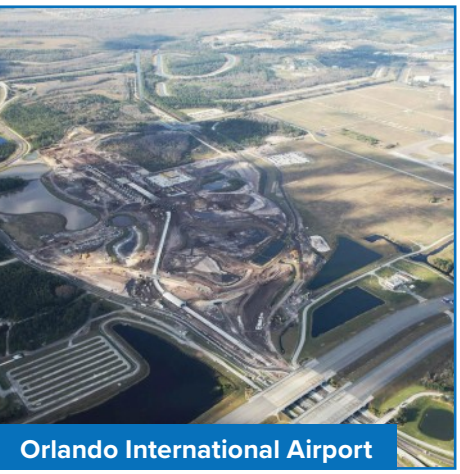


Tampa International Airport

Airside F - Passenger Boarding Bridges at Tampa International Airport

Tampa, FL

Airside F was constructed in the early 1980s. The existing passenger boarding bridges (PBBs), the preconditioned air handling units (PCAir), and the 400 Hz ground power units have reached the end of their useful lives. In addition, aircraft parking positions needed updating to reflect the changes in aircraft wingspans and new aircraft models. TYLI was retained as prime design consultant to prepare new aircraft layout plans and specify new PBBs, PCAir units, and ground power units for Airside F. The new PBBs were designed with air conditioning to improve passenger comfort during the boarding of the aircraft. Design tasks include preparing new aircraft layout plans, new apron marking plans, verifying the capacity of the existing PBB foundations, and designing new drilled shaft PBB foundations, specifying fixed walkways, and investigating the capacity of the existing preconditioned air system central plant and the capacity of the existing electrical power system to accommodate newer aircraft with increased power and air conditioning needs.



Orlando International Airport

South Terminal Complex APM Guideway

Orlando, FL

TYLI was responsible for the design of the structural components of the automated people mover (APM) system that will carry travelers from the Orlando International Airport's existing main landside terminal to the proposed $470 Million South Terminal APM Complex. The contract involved conducting structural inspections of the existing 3,150-linear foot portion (18 spans long) of the APM guideway that was constructed over a decade ago to determine what repairs or upgrades are needed to accommodate the new rail vehicle system. Recommended repairs have consisted of typical maintenance and replacement of expansion joints.

TYLI also designed the new pier foundations, support columns, superstructure, and guideway track needed to carry the APM system the rest of the way to the new Intermodal Center, a distance of approximately 4,400 feet. The track was elevated to cross over several airport roadways and drainage facilities.

Aviation Planning and Consultant Services at MIA

Miami-Dade, County, FL

TYLI was selected for a multi-year aviation planning services contract for Miami-Dade Aviation Department's system of airports. To date some of the tasks have included:

- High Zoning Set Aside
- South Terminal Security Checkpoint Reconfiguration
- Taxi Lot Relocation Study
- South Terminal Hard Stands
- Central Base Hard Stands
- Blast Fence Modifications
- NW 20th Street Optimization
- Concourse H to J Luxury Concessions
- Taxiway R Relocation, Taxiway S and T Rehabilitation and M-5 Connector Reconfiguration
- New Perimeter Bridge and TMB Runway Incursion Mitigations Program H1 Connector

General Planning Consultant at FLL

Fort Lauderdale, FL

The scope of services included the update of the Fort Lauderdale-Hollywood International Airport Master Plan and associated Airport Layout Plan (ALP) and the development of the Capital Improvements Program (CIP). TYLI was responsible for developing concepts for new passenger terminal buildings, an access road and automobile parking, improvements to the runway and taxiway system, and other miscellaneous support facilities. The team evaluated different runway length requirements, assessing different operating conditions based on temperature and payload configurations and evaluating operational restrictions under the existing obstacle limitation surfaces for precision



Fort Lauderdale Hollywood Int'l Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



Los Angeles International Airport


New Airport El Dorado II


NASA Convoy Vehicle Hangar

instrument approaches (ILS) Cat I,. As part of the master plan update, TYLI developed construction costs for all proposed alternatives that became the airport CIP. The CIP included construction allowances and soft costs. Of particular relevance was the inclusion of the maintenance of traffic implications on the total cost of the projects for the CIP. The result was an updated Airport Layout Plan (ALP) and Capital Improvement Plan (CIP) that was presented and approved by the Board of County Commissioners and the FAA.

LAWA Civil On-Call

Los Angeles, California

As part of a multi-year on-call contract, TYLI is providing complete civil engineering design services, as needed for the proposed capital improvements for various airfield, landside, utility and infrastructure and terminal projects at Los Angeles International Airport and Van Nuys Airport.

Technical Analysis/Operational Feasibility and Master Plan

Bogota, Colombia

TYLI was awarded the $2 Million contract to develop the Technical Analysis/Operational Feasibility and Master Plan for a New Airport El Dorado II. The scope of the work was divided into Two Phases; Phase 1 developed the Technical and Operational evaluation and Phase 2 developed the Master Plan for the New Airport El Dorado II. This is an iconic project and was a top priority for Colombia.

Convoy Vehicle Enclosure Hangar Conversion Study

With the retirement of the Space Shuttle Program, the National Aeronautics and Space Administration (NASA), initiated a series of studies related to repurposing certain facilities designed specifically to support the Space Shuttle Program. The Convoy Vehicle Enclosure is one such facility. TYLI was retained to perform a study to determine the mechanical, electrical, plumbing and fire projection improvements necessary to convert the Convoy Vehicle Enclosure Building into an aircraft hangar. Recommended improvements included ventilation systems, as well as an Aqueous Film Forming Foam (AFFF) fire suppression system.

Customs Facility at FXE

Fort Lauderdale, FL

Spinnaker Group provided LEED Consulting, Energy Modeling and Building Commissioning for this single-story, 7,900 sf U.S. Customs & Border Protection Facility within the existing property limits of the Fort Lauderdale Executive Airport. The project achieved LEED Silver certification in September 2015. The project required extensive coordination with the airport and the U.S. Department of Homeland Security. Highlights include holding cells, screening area, investigative labs, and administrative offices.

Fort Lauderdale Executive Airport is located in the heart of the city's Uptown Business District, just minutes from downtown Fort Lauderdale. Owned and operated by the City of Fort Lauderdale, Executive Airport serves a variety of general aviation needs including aircraft refueling and parking, corporate aviation, air ambulance, air charter, maintenance, avionics, flight training, and aircraft refurbishing. The facility features an array of outstanding amenities including a 24-hour FAA Air Traffic Control Tower, US Customs and Border Protection facility, 24-hour Aircraft Rescue and Firefighting services, 24-hour airport security, a Fort Lauderdale Police Substation, and four Fixed-Base Operators (FBOs) that provide fueling, maintenance, aircraft hangars, and other aviation and related services to aircraft operators and their passengers. More than 200,000 visitors arrive in the area each year through Executive Airport.


Customs Facility at FXE

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

The project reflects Fort Lauderdale's longtime citywide commitment to sustainability by incorporating sustainable best practices and LEED principles to reduce operating costs and energy consumption, while minimizing impacts to the surrounding environment. Features that contributed to LEED Silver certification included drought-resistant landscaping, rainwater collection, recycling, energy-efficient lighting, and use of sustainable building materials. The building achieved all available credits for water efficiency, and 13 out of 15 credits for Indoor Environmental Quality, as well as all available credits for Innovation.



FXE Airport Equipment/Service Center

FXE Airport Aviation Equipment and Service Center

Fort Lauderdale, FL

Spinnaker Group provided LEED Consulting, Energy Modeling and Building Commissioning for this project, which was the first City building to achieve LEED Gold in June 2011. Fort Lauderdale Executive Airport is located in the heart of the city's Uptown Business District, just minutes from downtown Fort Lauderdale. Owned and operated by the City of Fort Lauderdale, Executive Airport serves a variety of general aviation needs including aircraft refueling and parking, corporate aviation, air ambulance, air charter, maintenance, avionics, flight training, and aircraft refurbishing. The facility features an array of outstanding amenities including a 24-hour FAA Air Traffic Control Tower, US Customs and Border Protection facility, 24-hour Aircraft Rescue and Firefighting services, 24-hour airport security, a Fort Lauderdale Police Substation, and four Fixed-Base Operators (FBOs) that provide fueling, maintenance, aircraft hangars, and other aviation and related services to aircraft operators and their passengers. More than 200,000 visitors arrive in the area each year through Executive Airport.

The 7,800-sf project reflects Fort Lauderdale's longtime citywide commitment to sustainability by incorporating sustainable best practices and LEED principles to reduce operating costs and energy consumption, while minimizing impacts to the surrounding environment. Numerous sustainability features were incorporated, including highly efficient lighting fixtures and controls; ultra-high efficiency mechanical equipment; harvested rainwater for flushing toilets and urinals; drought-tolerant native landscaping; and a high-performance thermal envelope to minimize energy usage.

Fort Lauderdale/Hollywood International Airport Consolidated Rental Car Facility

Fort Lauderdale, FL

Spinnaker Group was contracted by Broward County through Program Manager URS to provide complete Building Commissioning Services at the new Consolidated Rental Car Facility at Fort Lauderdale/Hollywood Airport, which serves more than 35 million commercial airline travelers and the general aviation community throughout South Florida. The $140 million Consolidated Car Rental Facility represented the largest construction management contract ever awarded in the county's history.

Gary Glenewinkel, executive vice president and COO of Centex Rooney Construction Company, called the project "a landmark parking garage". The project became the first Parksmart building in South Florida, receiving Parksmart Certification on June 28, 2017. Designed by Spillis Candela DMJM, the seven-story, cast-in-place concrete parking garage and car rental facility totals approximately 3.5 million sf, featuring 150,000 sf of lobby and customer service areas for use by the car rental companies serving the airport. The garage consolidated all of the airport's rental car operations in a single location and provides additional public parking. An onsite Rental Car Center (RCC) offers 12 car rental companies and more than 5,400 rental cars. The RCC is a short walk from Terminal 1 or visitors can take a shuttle ride from the other terminals. The first floor of the garage includes approximately 130 fuel dispensers, 150,000 gallons of fuel-storage capacity, several car washes and vehicle maintenance areas. The facility also features 14 elevators and six sets of escalators. The Spinnaker Group commissioned all systems in the facility including Life Safety, Building Automation, HVAC, Fueling Systems, Smoke Removal and Pressurization, Electrical and all communication systems.



FLL Consolidated Rental Car Facility

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



Miami Airport People Mover System

Miami Airport People Mover System

Miami, FL

The Spinnaker Group provided LEED Consulting and Building Commissioning for this project, which achieved LEED Gold in 2012. The 411,007 sf "MIA Mover" is a light-rail automated people mover (APM) system which opened at the Miami International Airport in metropolitan Miami in September 2011. Designed to quickly transport landside passengers between Miami International Airport's Main Terminal and the Miami Intermodal Center, the MIA Mover is one of three separate automated people movers operating at the airport. Projected to transport 48,000 daily visitors by 2020, the MIA Mover construction utilized design-build methods and was paid for from a combination of revenue from the Miami-Dade Aviation Department's Capital Improvement Program and the Florida Department of Transportation.



MIA Baggage Handling System

MIA Baggage Handling System

Miami, FL

The Spinnaker Group provided LEED Consulting on Contractor Credits for Miami International Airport's new state-of-the-art, fully automated baggage handling system. The new $324-million system, funded in part by a $101.2-million grant from the TSA, doubled the speed and efficiency of baggage screening and delivery for flights in MIA's Central and South terminals. The new facility, which began its first phase of operations in July 2019, can screen and transport more than 7,000 bags per hour - double the capacity of the previous two separate and outdated systems for concourses F, G, H and J. The system features a conveyor belt with a total length of nine miles and 12 CTX 9800 explosives detection system machines. The project is expected to achieve LEED Silver designation from the U.S. Green Building Council.

FLL Airport Renovation and Expansion of Terminal 1

Fort Lauderdale, FL

This project, which achieved LEED CI Silver certification, consisted of a redesign/expansion of an existing airport terminal project. The renovation design encompassed 102,160 sf of airside renovations within two-stories of the existing four-story facility and included new terrazzo in the baggage claim and ticket hall, and updated hold-rooms in two of the connected concourses. Holistic updates were completed within the existing Project, which was expanded to improve the overall airline operations.

Some of the salient improvements included a larger, more efficient security checkpoint, improved wayfinding, increased concessions offerings, and increased baggage handling capacity. To ensure synergies when designing, planning, and constructing the facility, project teams initiated the integrative process early on and throughout the project. Engaging teams early for input and analysis went a long way toward assuring that client and stakeholder needs were met.



FLL T1 Renovation and Expansion

Another important early outreach occurred when project owners engaged airlines that were requesting expansion for more flights and airplanes. To this was added analysis that identified existing passenger slowdowns through security checkpoints. Scheduling and phasing were critical in this project as it involved the consolidation of two, five-lane security checkpoints, that were located in two different sections of the same terminal. The previous security checkpoints were considered bottlenecks for security screenings of passengers because of the limited space and lanes to process the large amounts of passengers coming through the terminal. With the expansion of the terminal and the simultaneous addition of a new concourse to the terminal (separate project), the estimated daily passenger count was going to increase exponentially. Since the terminal could not be shut down during the renovation and expansion, the team had to schedule the phases of construction to the expansion of one security checkpoint to a larger 12-land checkpoint, while closing the other checkpoint in a very quick timeframe to avoid a long impact on airport operations. The bottlenecked, consolidated security checkpoints were major hurdles the team successfully resolved (and hence became a lesson learned for future projects). Extensive studies were conducted by the team, which produced a plan that assured support areas were ready to receive passengers, as well as optimized the rapid opening of additional checkpoints when called for in order to optimally move pedestrian traffic.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

LEED / Sustainability features included:

- By renovating bathroom flush and flow fixtures, the project was able to achieve a 40% reduction of water use.
- Through choosing energy-efficient lighting, the project was able achieve a lighting power reduction of 29%.
- The project followed the Advanced Buildings Core Performance Guide for HVAC equipment efficiency and appropriate zoning and control requirements.
- Outdoor airflow measurement and CO2 monitoring devices were provided to ensure good indoor air quality.
- An Indoor Air Quality Management Plan was created and followed by the GC and all subcontractors during construction to ensure reduced pollutants for the construction team and to reduce potential contaminants remaining after construction for the occupants.
- Low and no VOC paints, coatings, adhesives, and sealants were specified and installed to reduce potential indoor air contaminants.
- All composite wood products were specified to have no added urea formaldehyde before purchase and installation.
- All flooring materials were Flore Score certified with low or no VOC flooring paints, coatings, adhesives, and sealants.
- Thermal performance was designed for thermal comfort for all occupants and will be verified through periodic surveys.
- More than 99% of the construction waste was diverted from landfills for exemplary performance.
- More than 33% by-cost of all materials had recycled content to achieve exemplary performance.
- More than 20% by-cost of all materials were extracted and manufactured within 500 miles of the project location for exemplary performance.
- The project is located within a building that has 100% high SRI roofing to reduce heat island effect.
- The project is located within a building that has over 35% reduction of water use in all fixtures.
- The project is located at a site within walking distance to a public shuttle to the local rail station to reduce vehicle use.
- Tenants have signed 15-year lease agreements for long-term commitments.

Kuwait International Airport Terminal 2

Sabhan, Kuwait

Spinnaker Group is providing LEED Consulting and Energy Modeling services for the new Kuwait International Airport Terminal 2, which is planned to significantly increase capacity and establish a new regional air hub in the Gulf. The project's strategic aims will be matched by a state-of-the-art terminal building, which will provide the highest levels of comfort for passengers and will set a new environmental benchmark for airport buildings. Its design is rooted in a sense of place, as well as responsive to the climate -- one of the hottest inhabited environments on earth -- and inspired by local forms and materials.

The terminal has a trefoil plan, comprising three symmetrical wings of departure gates. Each façade spans 1.2 kilometers, and all extend from a dramatic 25-meter-high central space. The terminal balances the enclosure of this vast area with a design that is highly legible at a human scale -- for simplicity and ease of use, there are few level changes.

The massive project is targeting LEED Gold, with a goal to be one of the largest passenger terminals in the world to attain this level of environmental accreditation. The strategy for achieving LEED Certification on Terminal 2 is through a "whole building approach", with the design aiming to maximize energy efficiency, water savings, waste reduction and use of sustainable materials, as well as optimize the health and well-being of the terminal's occupants and visitors. The overall project site has been designed to reduce its impact on the environment through minimizing "heat island effect" -- an increase in temperature caused by built-up urban development. This is achieved by providing large areas of natural landscaping planted with native and adaptive plan species suited to the Kuwait desert climate and incorporating reflective exterior cladding materials.



Kuwait International Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

The terminal building has been designed with an efficient thermal envelope which includes a highly insulated roof structure providing thermal mass and high specification glazed façade shaded by a 60m roof overhang. Natural daylight is maximized through the 8,000 skylights incorporated into the roof design, and energy consumption is optimized through energy-efficient building systems from lighting to air conditioning. The concrete structure provides thermal mass, and the roof incorporates a large expanse of photovoltaic panels to harvest solar energy. By incorporating this large expanse of photovoltaic panels on the roof, the project aims to generate at least 9% of total energy costs.



Kuwait International Airport

Overall potable water consumption will be reduced by 45% through use of low-flow plumbing fixtures and reusing grey water collected from wash-hand basins for WC flushing. Additionally, landscaped planting on the terminal site will be irrigated by reclaimed rainwater. Materials on Terminal 2 have been specified with a focus on sustainable construction practices. Wherever possible, materials have been selected to contain recycled or rapidly renewable materials from regional suppliers, thereby reducing the use of infinite resources and minimizing transportation distances. To ensure a healthy indoor environment, construction materials such as paints, sealants and adhesives have also been specified to have low level VOCs (volatile organic compounds), while the air-conditioning systems have been designed for a 30% increase in outdoor air ventilation rates. Lastly, construction sites typically generate large quantities of solid waste, adding to the burden of increasingly scarce landfill sites, and causing soil, water and air pollution. At the Terminal 2 construction site, the goal is to divert at least 75% of waste generated onsite away from the landfill through reusing and recycling construction waste.

The anticipated completion date for this 130,000 m2 project is August 2022.



FLL New South Runway

FLL New South Runway

Fort Lauderdale, FL

This was for a New South Runway at Ft. Lauderdale International Airport. The runway is 8,000 feet long with a 65-foot elevation. NV5 provided concrete and soils inspection, precast plant inspections as well as environmental and geotechnical services.

FLL New North Runway

Fort Lauderdale, FL

The project comprised a $95 million upgrade of the 10,000-foot-long north runway. NV5 was the prime consultant for the Quality Assurance Materials Testing (QAMT) Program during construction. The project included new pavements, new engineered material arresting system beds, and new drainage installations. NV5 provided an average of 8 full-time inspectors on a daily basis, covering day and night shifts to accommodate the critical 24-hour work schedules.

Ft. Lauderdale-Hollywood International Airport Terminal 4 East & West Expansion

Fort Lauderdale, FL

The expansion of Terminal 4 will increase the number of available gates from ten to fourteen, with the total number of international gates being increased from six to twelve. Additional apron area for aircraft maneuvers and storage are also being constructed. NV5 personnel performed testing and inspection services of soil, concrete and asphalt at the project site, at the asphalt batch plant and at our laboratory.



FLL Terminal 4 East & West Expansion

NV5 personnel performed onsite services for

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

building construction as well as apron construction. The contractor scheduled much of this work at night during scheduled taxiway and gate shutdowns. This required schedule and coordination activities with airport officials, consultants and contractors. NV5 performs all of its services in accordance with standard local practice related to the applicable Testing Manuals, Guidelines, and certified standards promulgated by ACI, AWS, ASTM, AISC and UL.

Miami International Airport People Mover

Miami-Dade County, FL

The MIA People Mover is a 1.23 mile automated people-mover system that transports passengers and employees from Miami International Airport to the Miami Intermodal Center, linking the airport to rental car companies, Tri-rail and Metrorail transportation facilities.

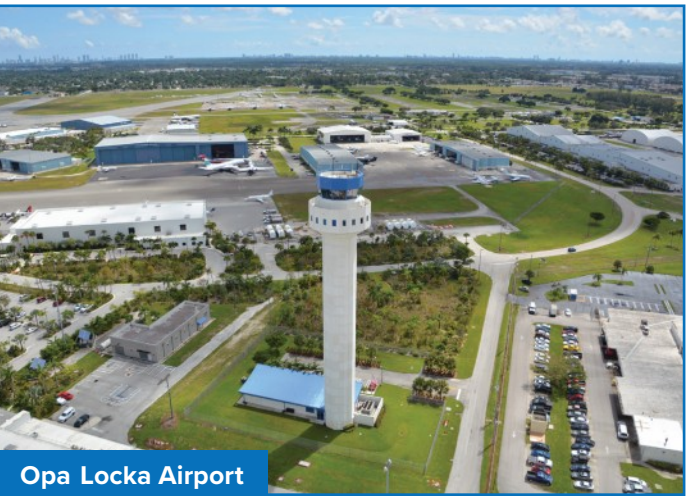
The project included a 41,007-sq-ft station and a 1.23-mi-long guideway. NV5 (previously Vertical V) was awarded the quality control services from the Design/Build Contractor Parsons Odebrecht Joint Venture (POJV) including Geotechnical Engineering and Construction Materials Testing Services. Services performed included testing and inspections of pile foundations, roadway and elevated structures for the $259 Million People Mover Elevated Rail project.

Materials Inspections Performed:

- Threshold Inspection
- Augercast Pile Installation
- Pile Loading Tests
- Precast Pile Installation
- Concrete Compressive Strength
- Steel / Rebar Placement
- Welding inspections
- Mechanical and Electrical Equipment
- Light meter testing of emergency light system



Miami International Airport People Mover



Opa Locka Airport

Opa-Locka Airport

Miami, FL

NV5 provided characterization and management of soil that was generated as part of the redevelopment of the property. NV5 collected over 100 soil samples to ascertain the soil disposal options for the soil. NV5 coordinated with the Client to gain regulatory concurrence on the soil analytical results and disposal requirements. NV5 provided oversight of the soil during off-site transport and disposal activities.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Airport Parking Experience



Northwest Arkansas Regional Airport Public and CONRAC Parking Garage

Bentonville, AR

- Architect, Engineer and Parking Consultant



Sky Harbor International Airport PreFlight East and West Parking Garage

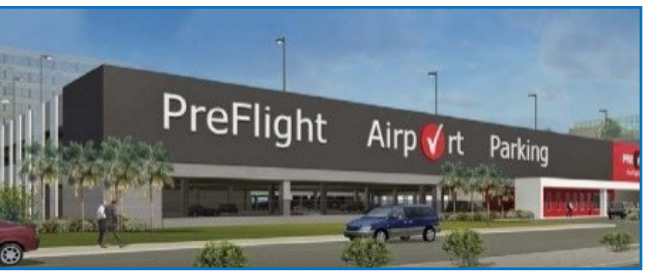
Phoenix, AZ

- Structural Engineering and Parking Consulting

Bradley International Airport Parking Facility

Windsor Locks, CT

- Owner's Agent and Parking Consulting



Midway Airport Terminal Expansion Program – New Garage

Chicago, IL

- Parking Consultant

O'Hare International Airport

Chicago, IL

- Functional Design



Preflight Airport Parking Facility

Chicago, IL

- Architect and Structural Engineer of Record



Baltimore-Washington International Airport Daily Garage A

Anne Arundel, MD

- Parking Functional Design, Structural Engineer of Record, and Revenue Control System Design Specialist



Baltimore-Washington International Airport Station Parking Garage Expansion

Anne Arundel, MD

- Owner's Agent - Criteria Docs and D/B Bidding

Richmond International Airport North Parking Expansion

Richmond, VA

- Parking Consultant and Structural Engineer of Record

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Airport Parking Experience



Albany County Airport Parking Garage
Albany, NY
- Parking Consulting and Structural Engineering Design



Cleveland Hopkins International Airport Garage No. 2
Cleveland, OH
- Structural Engineer of Record and Parking Consultant

Yeager Airport Garage II
Charleston, WV
- Parking Consultant and Structural Engineer

Yeager Airport RAC (Rent-a-Car) Garage
Charleston, WV
- Parking Consultant and Structural Engineer



Newark International Airport Continental Airlines Terminal 'C' Garage
Newark, NJ
- Functional Design, Structural Engineering Coordination, Master Planning

JFK International Airport Terminal 5 & 6 Parking Garage British Airways Airline Terminal
Queens, NY
- Stage 1 Structural Design



LaGuardia Airport
Queens, NY
- Parking Consultant and Structural Engineer

LaGuardia Airport / Delta Garage
Queens, NY
- Architect and Structural Engineer



Miami International Airport
Miami, FL
- Parking Consultant and Structural Engineer

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Fueling Projects



Fairfield County Airport Turnkey Installation

Winnsboro, SC

- 12,000-gallon Jet-A with remote cabinet
- 12,000-gallon Avgas Self-serve Fuel System



SPATCO Energy Solutions

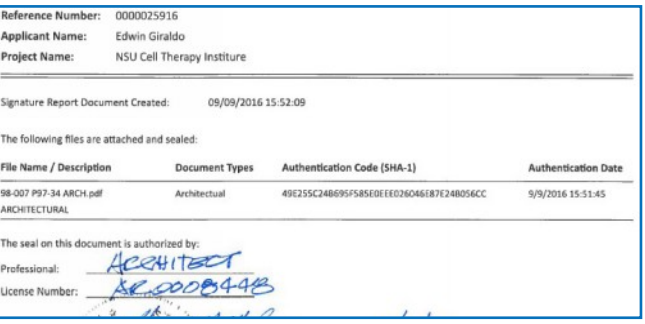
ASHE County Airport, NC

- 12,000-gallon Jet-A Self-serve Fuel System

Rectrix Aerodrome Centers, Inc.

Concord, MA

- (2) 20,000-gallon Jet-A with remote cabinet Fuel System with remote fueling skid
- 10,000-gallon Avgas Fuel System with remote fueling skid
- 1,000-gallon 500/500 Split Diesel/Mogas Fuel System



Reference Number: 0000025916
Applicant Name: Edwin Giraldo
Project Name: NSU Cell Therapy Institure

Signature Report Document Created: 09/09/2016 15:52:09

The following files are attached and sealed:

File Name / Description	Document Types	Authentication Code (SHA-1)	Authentication Date
98-007 P97-34 ARCH.pdf ARCHITECTURAL	Architectual	49E255C24B695F585E0EEE026046E87E24B056CC	9/9/2016 15:51:45

The seal on this document is authorized by:
Professional: ARCHITECT
License Number: AR0008448



Jacksonville Jet Port

Jacksonville, FL

- Added Tank #7.
- 50,000-gallon Jet-A
- Original tank and equipment installed previously.

Punta Gorda Airport

Punta Gorda, FL

- Added four 30,000-gallon Jet-A Tanks

Lakes Region Environmental

Lafayette, LA

- 10,000-gallon Avgas Fueling System



Toccoa Airport

Toccoa, GA

- 12,000-gallon Jet-A and Avgas System with remote fueling Self-serve cabinets.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience



FLL Passenger Experience Animation

FLL Passenger Experience Animation

Fort Lauderdale, FL

In 2018, IMD had created an 18-minute Animation featuring the Passenger Experience and showcasing extensive development throughout the site to help the airport raise funding for a large airport expansion spanning the next several years.

In 2019, we revisited this project to create a condensed version of the previous Passenger Experience Animation. This updated video focused on near-term renovations, and Phases 1 and 2 of the full project scope. This included the Construction Implementation Plans for a new hotel, new palm garage, Terminal 4 Expansion and the canopy design connecting hotel and new terminal. Given just a shell of the exterior of the building, IMD designed all of the interiors for the airport and hotel lobby. In addition, IMD provided additional design services by designing and creating renderings for several other buildings on the airport property.

The client needed to continue winning approval of the plans to keep budget rolling and raise funds for the near-term renovation phases. With this animation, the client was able to secure the funding to cover the next several years of the proposed master plan.

The Airport CEO used the animation for various presentations to the Board, Airlines, and County Executives and Stakeholders, in addition to various presentations for fundraising. The plans for development were well-received and easy to understand through the comprehensive presentation including visuals and professional voiceover, which delivered a consistent message on several occasions and later published online.

Fort Lauderdale/Hollywood International Airport

Fort Lauderdale, FL

The Chappell Group, in conjunction with EAC Consulting, Inc. (EAC) was contracted to perform General Engineering Services for the Fort Lauderdale/Hollywood International Airport for Broward County Aviation Department (BCAD). TCG was responsible for all environmental assessments, wildlife surveys, and due diligence services for the Terminal and Interchange Improvements at the airport. Assessment and due diligence services included the site inspection, records review and preparation of demolition and asbestos abatement specifications for the existing Key Power facility building at North Perry Airport. The Chappell Group, Inc. performed these tasks for EAC Consulting by March 2013.



Fort Lauderdale/Hollywood International Airport

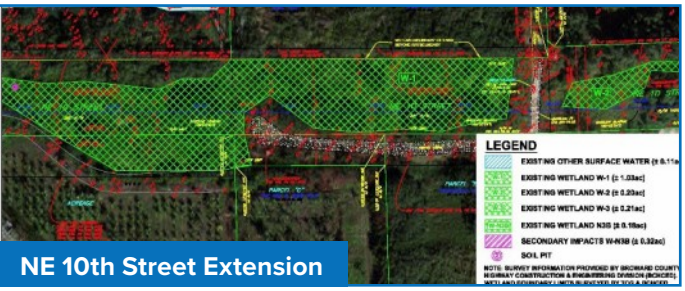


Ravenswood Road Bridge Improvements

Ravenswood Road Bridge Improvements

Dania, FL

The improvement project is located at the intersection of Ravenswood Road and the Dania Cut-off Canal in the City of Dania Beach. The project included the replacement of an existing aerial crossing of a force main and sewer main line over the Dania Cut-off Canal. New pile caps and piles were installed next to the existing caps and piles to provide additional support at the wing walls. The Chappell Group, Inc. conducted a benthic survey of the Dania Cutoff canal and processed all environmental resource permits, including U.S. Coast Guard authorization.



NE 10th Street Extension

NE 10th Street Extension

Fort Lauderdale, FL

The proposed project consists of the proposed extension of NE 10th Street/Taylor Road east from US Highway 1 to the existing NE 7th Avenue. The proposed roadway extension and associated surface water management system is a component of the overall Ft. Lauderdale-Hollywood International Airport runway expansion project currently being undertaken by Broward County.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

The project scope included preliminary environmental assessments, wetland boundary survey delineations, formal wetland determinations and regulatory permitting through the Broward County Environmental Protection and Growth Management Department (BCEPGMD), South Florida Water Management District (SFWMD) and U.S. Army Corps of Engineers (USACOE). The Chappell Group, Inc. was responsible for all environmental services related to the design and permitting of the roadway extension, including mitigation credit determination and allocation associated with the existing

Broward County Everglades Restoration Area - Port Everglades Wetland Enhancement

Broward County, FL

The Chappell Group Inc. (TCG) is the lead environmental consulting firm for the design, permitting, monitoring, and construction inspection for the Port Everglades Wetland Enhancement project. The project was the creation of a 16.5-acre wetland enhancement area related to the release of a portion of the existing 8-acre conservation easement that will allow the Port to expand the Southport Turning Notch. The wetland enhancement project included the planting of over 53,000 mangroves, and over 17,000 Florida native transitional buffer plants. TCG prepared and processed the environmental applications for the mitigation and design of the wetland enhancement area to offset impacts associated with the proposed turning notch expansion. TCG also conducted construction inspection services including turbidity monitoring during in-water work, plant inspections of the mangroves and transitional buffer plants delivered, permit compliance, plan review, and erosion control inspections.



Port Everglades Wetland Enhancement

TCG is currently conducting mitigation monitoring of the wetland enhancement area, coordinating nuisance/exotic removal to maintain permit compliance, and preparing monitoring reports to submit to the environmental regulatory agencies.



GSA IDIQ Contracts

GSA IDIQ Contract

Various Locations Throughout Florida

ACAI provided Architectural, Engineering, and Construction Management services for the United States General Services Administration (GSA) under a five year (extended to 6 1/2 years) Indefinite Delivery Indefinite Quality Contract. The facilities under this contract included courthouses and federal buildings from Key West to Ocala. The scope area was eventually increased to include airports (MIA and PBIA) for TSA.

In addition to architectural/engineering and construction management services provided included Master Planning, Interior Design and Space Planning, Adaptive Reuse of existing facilities, Historic Restoration and preservation, Window Blastproofing Studies and Retrofits, Planning, Programming, Re-roofing and Waterproofing, window replacements, and Structural Repairs, five alarm retrofits, secured elevator retrofits, and holding cells.

One notable project was for the renovation of a new Bankruptcy Courtroom and Chambers along with ancillary support spaces. The new facilities have systems for presentation and storage of electronic documents, including hook-ups for laptop computers and flat-screen monitors. Special attention was given to environmental acoustical, and fire protection issues.



NSU HPD Medical Library Building

NSU HPD Medical Library Building

Davie, FL

ACAI was selected for the renovation of the existing 21,000 sf library which ACAI originally designed in 1993, to address the changing needs of today's students. Technology has contributed greatly to the evolving teaching methods and study practices. The design transformed the existing area into a facility that provides students with a forum for students to collaborate, a quiet area with individual spaces, and specialized spaces, such as video, 3D printing, and virtual technology rooms.

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Seating was increased without enlarging the footprint by removing the existing book stacks and creating open areas with flexibility and study options. The use of glass to separate spaces promotes openness and transparency throughout. All spaces are completely wireless allowing the students to move about while staying connected to Wi-Fi. The library is focused on providing students a comfortable place to gather and to study that is dynamic and supports the use of emerging technology.

ACAI provided the Pre-Design, Design, and Post-Design services. Our services also included coordination of all the engineering disciplines, structural, Mechanical, Electrical, Plumbing and Fire Protection. We were also instrumental in the selection of finishes and furnishings of the final Library project.

This project won the 2018 Outstanding Design by American School & University

Alan B. Levan / NSU Broward Innovation Center

Davie, FL

The NSU Broward Innovation Center approximately 54,000 sf, is located at Nova Southeastern University Davie campus at its Alvin Sherman Library, includes an "Innovation Space" that would operate as an incubation and accelerator area to develop high-tech prototypes and software. The center also includes collaboration spaces, meeting and conference spaces, offices, and workspaces. The scope of services includes developing and establishing programs, preliminary floor plans, design, and post design services. The space will be open and flexible to include maker spaces, office spaces, social areas, and meeting spaces with the ability of holding segregated and simultaneous use within different levels of activity and privacy. Arguably the newest and largest state-of-the-art innovation center in the US, the space is a complete retrofit of the top floor of the 325,000-sf joint use Alvin Sherman Library at Nova Southeastern University, a Public-Private Joint Venture between Broward County and NSU.



Alan B. Levan / NSU Broward Innovation Center



Broward County Judicial Center

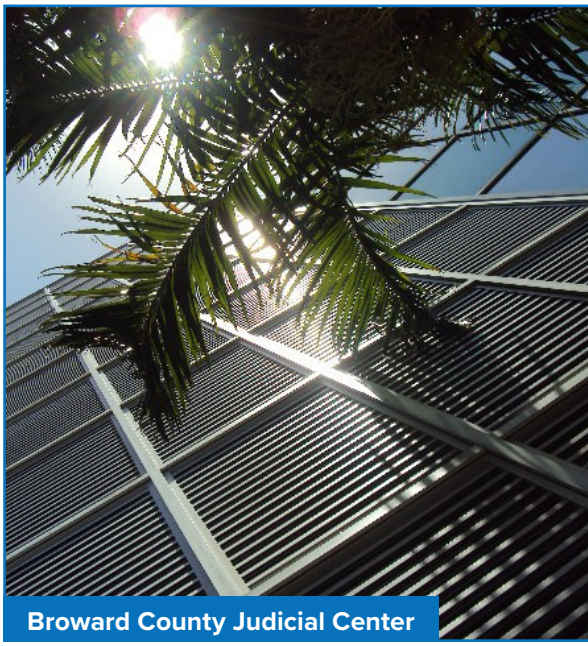
Fort Lauderdale, FL

ACAI provided architectural and engineering services related to the development of plans and specifications for the Wind Hardening of the East Wing of the Broward County Judicial Center.

As part of the Hazard Mitigation Grant Program and in an effort to bring the East Wing of the Broward County Judicial Center up to the standards of the latest edition of the Florida Building Code and FM Global design requirements, ACAI provided architectural and engineering services to develop and produce permitting and specifications documents.

The scope of services provided under this contract included:

- Removal and replacement of storefront windows, curtain wall, louvers and exterior doors, as well as securing any equipment attached to the exterior of the building.
- Removal and replacement of the translucent skylight system at East Wing Rotunda.
- Installation of temporary partitions to accommodate the installation of the new exterior building components.
- Removal and replacement of translucent roof panel and aluminum decorative grills.
- Installation of temporary construction barriers to accommodate the installation of new exterior building components.
- Patch and repair of the interior and exterior damages to the existing building impacted by new work.



Broward County Judicial Center

Section E: Evaluation Criteria

Ability of Professional Personnel - Teams Relevant Experience

Broward County Roofing and Waterproofing Consulting Services

Broward County, FL

ACAI is the Roofing Consultant for Broward County under an on-call open end contract to provide comprehensive roofing and waterproofing consulting services. The services include inspections and reports for the entire envelope of buildings, design services, construction administration, preparation of budget forecasts, maintenance programming and recommendations, architectural and engineering evaluations and analysis, market and operational evaluations and analysis, audits, inspections, testing and reports, exterior improvements, upgrades to MEP and structural systems, review of technical designs performed by others, preparation of master specification updates, and other professional services.

Projects include:

- Hollywood Library Moisture Survey & Inspection
- Tamarac Library Moisture Survey & Inspection
- Public Safety Building Moisture Survey & Inspection
- North Regional Courthouse Inspection
- Paul Rein Facility Moisture Survey & Inspection
- Review and Update Current Waterproofing Specifications
- North Animal Care & Regulation Uplift Tests and Inspection
- South Regional Courthouse Moisture Survey & Inspection
- North Regional Library Moisture Survey & Inspection
- Review and Update Current Roofing Specifications
- Hollywood Library Waterproofing Inspection
- BSO Service Center
- Margate Branch Library Roof Inspection
- Southwest Regional Library Roof Inspection







Broward County Roofing/Waterproofing

BCPS Roofing Consultant Services

Multiple Locations, FL

ACAI has provided roofing consulting services for numerous BCPS Buildings. We have performed these services under an open-ended indefinite quantity contract for roofing; under a continuing service agreement; and as the Design Professional for several CMAR projects. A representative list of the projects performed under those agreements is below. These assignments required ACAI to interface with a list of pre-selected contractors and to provide both Design and Construction Contract Administration services. Facilities serviced include:

IDIQ:

- Oakridge Elementary School
- Seminole Middle School
- Hallandale Beach High School
- Hollywood Hills High School
- Continuing Services:
- McNab Elementary School
- Westwood Heights Elementary School
- North Side Elementary School
- Mirror Lake Elementary School

CMAR:

- Northeast High School
- Hollywood Hills High School



BCPS Roofing Consultant Services



Resumes

ACAI
architecture · engineering
acaiarchitects.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Adolfo J. Cotilla, Jr., AIA, CGC

President/Principal-In-Charge,
Project Delivery Planning and Permitting
Years of Aviation Experience: 22 / Years at ACAI: 35

Adolfo Cotilla has over 40 years of experience in Architecture and has been consulting, designing and delivering projects since 1979. As Principal-in-Charge, he oversees the management of all assignments and maintains direct contact with Clients throughout the project. He oversees the project team, reviews the schedule and budget, and meets with Project Managers and project teams.

EDUCATION:
Master of Fine Arts in Architecture
University of Florida

LICENSING & REGISTRATIONS:
Registered Architect Licenses
Florida – #AR8011
Puerto Rico – #19882
New York – #9868626
Virginia – #0401018855
North Carolina – #15076
Maryland – #20364
USVI – #0-52039-1B

Certified General Contractor – #CGC010769

PROFESSIONAL AFFILIATIONS:
AIA | American Institute of Architects
IIBEC | International Institute of Building Enclosure Consultants
NRCA | National Roofing Contractors Association
NTHP | National Trust for Historic Preservation

SPECIALTY EXPERIENCE:
Graduate CM-BIM

Skills

Project Management, Construction Administration, Quality Control, Responsible Supervisory Control, Client Contact, Detailed Code Knowledge

Experience

Role on Select Projects Below: Principal-in-Charge/Architect of Record

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

Opa Locka Airport Control Tower | *Opa Locka, FL*
ACAI provided construction management (CM) services for the Opa-Locka Executive Airport Air Traffic Control Tower. The work included review of the architectural, mechanical, electrical and plumbing components as well as requiring special inspectors for the steel connection and precast elements as well as threshold inspections. ACAI served as the part-time Resident Project Representative and Engineer's agent at the site, providing review of the progress schedule, shop drawings and sample submittals and serving as the liaison between the contractor and engineer.

E-FIS Advanced Planning Study at MIA | *Miami, FL*
Reconfiguration of the FIS in Terminal E is part of the whole vision for the development of the Central Terminal Renovation (CTR) at MIA. New glass facades and exit stairs on the (CTR) bays enhances daylighting at the south end of the baggage hall. Architectural planning includes clarity of vertical circulation with the addition of new escalators and elevators between the third floor and the ramp level baggage hall. Passenger comfort facilities include new spacious restrooms and family gathering spaces along the route to the primary processing hall. At the discharge point of the FIS, a recheck facility is available for passengers to conveniently re deposit bags into the baggage system for a domestic flight. Space is also available for passenger amenities for travelers with short term waits for transfers to domestic flights or cruise line services.

MDAD EDS Scanning Room Concourse J, Gate 3 | *Miami, FL*
The project consisted of designing and building out of a 1,340 SF Energy Dispersive Spectroscopy (EDS) Scanning Room within a compressed timeline which was a critical component to the commencement of the El Al Airlines direct service to Miami International Airport. This built-out took place within the ramp level of Concourse J, Gate 3 and includes a number of high-tech scanners, bomb detectors and x-ray machines, used for secondary screening of customer baggage, prior to placing them on the aircraft. The room includes a dedicated air handler unit, technology, LED lighting, security and a hardened perimeter wall to secure the baggage. Drawings were developed and issued for permit within a compressed timeframe of about one month, in close coordination with the MDAD Project Manager and construction duration was also compressed to at about 45 days from start to substantial completion.

Adolfo J. Cotilla, Jr., AIA

E6M32 Pedestrian Bridge over SR 5/US 1/Overseas Hwy Founders Park Design-Build | *Islamorada, FL*
New pedestrian bridge that incorporates a single span pedestrian bridge over SR 5 / US 1, elevator towers and stairways at both ends of the bridge including all structural, architectural, mechanical, lighting and electrical components, elevator machine rooms, foundations using auger cast piles, roadway, signing and pavement markings and shoulder widening, including a sidewalk extension to connect to the Treasure Village Montessori School to the park. Adolfo was the Architect of Record and worked closely with Jesus Mustafa Engineer of Record/design Project Manager, and Rafael Oranday, LEED AP BD+C.

Terminal Planning at FLL with Leigh Fisher | *Fort Lauderdale, FL*
The project consisted of early planning studies for the vertical expansion of T1 and T2 and developing design guidelines and standards for the Terminal Areas of Fort Lauderdale International Airport. The goal of thedocuments was to establish a general direction for all future developments, including Terminal areas; create descriptive criteria regarding appearance, cost and maintenance goals; and establish a vision for all future building programs.

TSA Offices at PBIA | *West Palm Beach, FL*
This project for the US Department of Homeland Security, Transportation Security Authority (TSA) is located at Palm Beach International Airport (PBI) at security checkpoint 'A-B'. This was a "Tenant Build-Out" of leased space from PBI and consisted of pre-design and design services, testing (ACM, EE & T&B), FIV's and Permitting. The space was designed to include administration support offices, breakroom and agent offices.

TSA Offices at MIA | *Miami, FL*
This project for the US Department of Homeland Security, Transportation Security Authority (TSA) islocated at the Miami International Airport (MIA) Concourse "G" 2nd Floor. The project is a "Tenant Build-Out" of leased space from MIA and consists of pre-design, design, post design services, testing (ACM, EE & T&B), FIV's and permitting. The space was designed to include administration support offices, break room and agent offices.

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/ FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

Customs Facility at FXE | *Fort Lauderdale, FL*
ACAI provided construction management services for work during the construction phase of the U.S. Customs and Border Protection Facility at Fort Lauderdale Executive Airport. This strikingly modern building is a LEED Silver-certified, 7,900 SF facility and includes administrative office areas, restroom and bathing facilities, parking including spaces for the physical disabled, hybrid vehicles and carpool spaces, site lighting, irrigation and landscaping improvements, sidewalk and accessible paths for the physically disabled.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Paul Pannier, AIA, LEED AP, EDAC

Sr. Project Manager/Project Executive,
Project Delivery Planning and Permitting
Years of Aviation Experience: 10 / Years at ACAI: 7

Paul Pannier has over 35 years of experience in the field of Architecture focused on overall team leadership through design and construction for a wide range of projects. He has managed programming, planning, design, construction document and administration services for private and public clients in Florida, Missouri, California and South Carolina.

EDUCATION:
B.A. Architecture
University of Kansas

LICENSING & REGISTRATIONS:
Registered Architect Licenses
Florida – #91829

PROFESSIONAL CERTIFICATIONS:
EDAC | Evidence-Based Design Accreditation & Certification
USGBC LEED® Accredited Professional

PROFESSIONAL AFFILIATIONS:
AIA | American Institute of Architects

Skills

Project Management, Quality Control, Staff Supervision, Project Supervision, Client Contact, Detailed Code Knowledge Project Budget Management

Experience

Role on Select Projects Below: Project Manager

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

E-FIS Advanced Planning Study at MIA | *Miami, FL*
Reconfiguration of the FIS in Terminal E is part of the whole vision for the development of the Central Terminal Renovation (CTR) at MIA. New glass facades and exit stairs on the (CTR) bays enhances daylighting at the south end of the baggage hall. Architectural planning includes clarity of vertical circulation with the addition of new escalators and elevators between the third floor and the ramp level baggage hall. Passenger comfort facilities include new spacious restrooms and family gathering spaces along the route to the primary processing hall. At the discharge point of the FIS, a recheck facility is available for passengers to conveniently re deposit bags into the baggage system for a domestic flight. Space is also available for passenger amenities for travelers with short term waits for transfers to domestic flights or cruise line services.

MDAD EDS Scanning Room Concourse J, Gate 3 | *Miami, FL*
The project consisted of designing and building out of a 1,340 SF Energy Dispersive Spectroscopy (EDS) Scanning Room within a compressed timeline which was a critical component to the commencement of the El Al Airlines direct service to Miami International Airport. This built-out took place within the ramp level of Concourse J, Gate 3 and includes a number of high-tech scanners, bomb detectors and x-ray machines, used for secondary screening of customer baggage, prior to placing them on the aircraft. The room includes a dedicated air handler unit, technology, LED lighting, security and a hardened perimeter wall to secure the baggage. Drawings were developed and issued for permit within a compressed timeframe of about one month, in close coordination with the MDAD Project Manager and construction duration was also compressed to at about 45 days from start to substantial completion.

Advanced Planning Study for Gate D60 at MIA | *Miami, FL*
This project involves 270,000 SF renovation and expansion to replace the existing Gate single-story openair commuter gates with new enclosed concourse matching adjacent 3 story concourse D. The project expands on the existing sterile corridor connections, baggage handling, airline operations and passenger accommodations to serve a projected increase in domestic and international gate needs at MIA. ACAI is providing Architectural and Programming services which include developing concept exhibits for terminal operations, proposed construction phasing and design criteria, based on terminal metrics and projections provided by the prime consultant to be part of a Project Definition Document (PDD). ACAI will also define the major design elements and preliminary code requirements for the project as part of the PDD and coordinate with other subconsultants who are providing studies of airside access, modifications, equipment needs and passenger boarding bridges, baggage handling and ROM budgeting for the project.

Paul Pannier, AIA, LEED AP, EDAC

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale-Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

Terminal Planning at FLL with Leigh Fisher | *Fort Lauderdale, FL*
The project consisted of early planning studies for the vertical expansion of T1 and T2 and developing design guidelines and standards for the Terminal Areas of Fort Lauderdale International Airport. The goal of thedocuments was to establish a general direction for all future developments, including Terminal areas; create descriptive criteria regarding appearance, cost and maintenance goals; and establish a vision for all future building programs.

Southwest Airlines Air Cargo Facility | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for this fast-paced project to renovate three bays of the existing air cargo facility at Fort Lauderdale-Hollywood International Airport. (FLL). Expansion of the SWA Air Cargo Facility, originally designed by ACAI, included relocation of all tenant reception counters, business offices, data center, restrooms, lounge and locker rooms. Phased construction included relocation of insulated walk-in refrigerated units in a phased program to maintain airline operations at all times. The project included security walls between the open warehouse facility airside and the business offices open to the public on landside. Segregated sections of the warehouse were designated for Customs Storage for Air Cargo being received or shipped out internationally.

Southwest Airlines Provo, GSE, Tech Ops and Facilities | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for the fast-paced project to renovate 23,000 SF metal framed warehouse at Fort Lauderdale-Hollywood International Airport. (FLL). This replacement facility allowed SWA to build a staged expansion of their who SWA station at FLL. The reuse of the existing warehouse required the addition of a vehicle service ramp to the 4' high deck for the service bays, and significant repair to the overhead doors and metal clad building. The electrical service to the building was expanded and new water connections were required for two large commercial ice houses that provide 24-hour service to the catering trucks on site. The facility also included offices, breakrooms, restrooms, lockers, and a data center for the operation of the services. Special MEP systems were added to the building for the use of compressed air, power tools, ventilation systems and large ventilation fans. The facility has room for expansion into adjacent bays as the services expand at the FLL station.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Betty Loynaz, AIA, CBC, LEED AP BD+C

Project Manager/SME for Code Compliance,
Project Delivery Planning and Permitting
Years of Aviation Experience: 2 / Years at ACAI: 12

EDUCATION:
B.A. Architecture
University of Miami

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #96018

PROFESSIONAL CERTIFICATION:
USGBC LEED® Accredited Professional

SPECIALTY EXPERIENCE:
Graduate CM-BIM

Betty Loynaz has over 27 years of experience in design and post-design of Aviation, Governmental, Educational, Healthcare, and Commercial projects. During the 10 years prior to joining ACAI, Betty managed BMX, a family-owned construction and turn-key enterprise in South Florida and was involved in its day-to-day operation, including all permit coordination and expediting activities in the tri-county area. Her project responsibilities at ACAI include all aspects of project design and construction management for schools and higher education facilities, fire stations, hotels and various commercial buildings throughout South Florida and Broward County. She leads teams from programming, design, construction documents through post-design and project closeout and post-construction services.

Skills

Project Management, Permitting, Quality Control, Staff Supervision, Project Supervision, Client Contact,Detailed Code Knowledge Project Budget Management

Experience

Role on Select Projects Below: Senior Architect and Subject Matter Expert in Permitting

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

Southwest Airlines Air Cargo Facility | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for this fast-paced project to renovate three bays of the existing air cargo facility at Fort Lauderdale-Hollywood International Airport. (FLL). Expansion of the SWA Air Cargo Facility, originally designed by ACAI, included relocation of all tenant reception counters, business offices, data center, restrooms, lounge and locker rooms. Phased construction included relocation of insulated walk-in refrigerated units in a phased program to maintain airline operations at all times. The project included security walls between the open warehouse facility airside and the business offices open to the public on landside. Segregated sections of the warehouse were designated for Customs Storage for Air Cargo being received or shipped out internationally.

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

NSU Broward Innovation Center | *Davie, FL*
A 54,000 SF complex retrofit and complete makeover of the 5th floor NSU's Alvin Sherman Library. This WOW project includes an "Innovation Space" that would operate as an incubation and accelerator area to develop high-tech prototypes and software. The center also includes collaboration spaces, meeting and conference spaces, offices and workspaces. Scope of services include developing and establishing program, preliminary floor plan, and design and post-design services. The space will be open and flexible to include maker spaces, office spaces, social areas, and meeting spaces.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Galen VonGleich RA, LEED AP

Group Leader: Pre-Design, Design

Years of Aviation Experience: 6 / Years at ACAI: 7

EDUCATION:
Master of Architecture
Montana State University

B.A. Environmental Design
Montana State University

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #97234

PROFESSIONAL CERTIFICATIONS:
NCARB
USGBC LEED® Accredited Professional

SPECIALTY EXPERIENCE:
America Recovery Act (ARA)
Built in America Protocol
Tiger Grant Federal Funding

Galen VonGleich has over 16 years of diverse experience in the field of architecture, municipal, governmental, educational, commercial, medical, office and recreational facilities. Mr. VonGleich has been responsible for various management and technical duties for all architectural projects, including planning, working drawing production, design and construction administration. His focus is on ensuring projects are functional, code compliant and are completed on time and within budget. He conducts weekly team meetings to set production goals. He reviews the design budget on a bi- weekly basis to verify that the appropriate progress is being made and, monitors the team's production rate to determine if additional staff is needed to meet the target milestone dates. Additionally, he reviews the project schedule and makes periodic updates to reflect milestones and deadlines. Galen is a licensed pilot, which affords him a special project perspective from the airside point of view.

Skills

Quality Control, Quality Assurance, Communication, Design Coordination, Inspection, Design Review, Resolving Discrepancies, Problem Solving, Project Budget Management, Detailed Code Knowledge

Experience

Role on Select Projects Below: Project Architect

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

Broward County Aviation Department (BCAD) Airports GEC And Miscellaneous Services | *Fort Lauderdale, FL*
ACAI uses Virtual Design and Construction (VDC) technology to capture reality and deliver our visions in highly communicative 3-D. This promotes the project experience firsthand and affords user groups the ability of reviewing the work and seeing it develop. We developed the BIM standards document for Broward County Aviation Department in 2013, and they are part of BCAD's movement to developing applications for their maintenance programs using the COBie documentation from construction turnkey to facility management to track equipment and systems during the life of the project.

Hallandale Public Works Complex Master Plan and Feasibility Study | *Hallandale Beach, FL*
ACAI is responsible for assessing the site and buildings at the existing Public Works Department, meeting with Department staff to develop a program of spatial and functional requirements and developing an overall site master plan for the facility. The master plan will be used by the City to guide the future redevelopment of the Public Works facility to better meet the City's needs.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



J. Terry Adsit, RA, CCS
Staff Consultant: Specs, Design, QA/QC
Years of Aviation Experience: 7 / Years at ACAI: 26

EDUCATION:
M.B.A.
Virginia Polytechnic & State University

Bachelor of Architecture
Virginia Polytechnic Institute

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #AR0010164
Virginia – #0401003268

PROFESSIONAL CERTIFICATION:
NCARB
CCSI Certified Construction Specifier
CSI Certified Specification Writer

Terry began his professional career with GSA's National Capital Region as an Architect trainee and advanced to the position of Section Chief for Architectural and Structural Design, a position he held until 1981 when he left GSA to join a Congressionally-mandated special facilities task force at the Department of the Interior. As a Certified Construction Specifier and licensed Architect in the states of Virginia and Florida, Terry holds a Bachelor of Architecture Degree and MBA Degree from Virginia Tech. As one of the original founders of the Construction Owners Association of America and past member of its Board of Directors, Terry's career has been dedicated to being an Architect who serves and advocates the interest of owners of public facilities owners in the construction industry.

Experience

Role on select projects below: Specification Writer

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/ FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

Public Safety Complex at FXE | *Fort Lauderdale, FL*
Delivered as part of a General Consulting Contract, ACAI served as the Design Criteria Professional and Design Architect for this phase of a multiple phase project to house the City's Executive Airport Administration functions. The building includes a police substation, an interior emergency operations center and offices for the airport's Director and staff. Phase two included the Airport's 29,000 SF Air Rescue Fire Fighting Facility along with its Training Center, Fire Station, and the City's permanent EOC Center. As part of ACAI's responsibility, the firm represented the Owner in all matters related to project delivery and conduct inspection services during construction. Phase three included an expansion to the administration building and systems retrofit upgrade as part of the airport's sustainability initiative.

Broward County Judicial Center | *Fort Lauderdale, FL*
ACAI provided Architectural and Structural Engineering services related to the Wind Hardening of the East Wing of the Broward County Courthouse including a pre-design survey/report to establish the requirements for the design and construction documents phases. The project Included re-roofing, hardening of the existing FP&L vault, the pedestrian bridge over S.E. 3rd Avenue and miscellaneous openings at the North and West connections to adjacent buildings. As part of our involvement, ACAI prepared phasing documents to enable the tenant relocation, and the day-to-day operation and construction activities to occur simultaneously.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Rafael G. Oranday, LEED AP BD+C

Group Leader: Technical Project Delivery and Permit Expediting

Years of Aviation Experience: 8 / Years at ACAI: 16

EDUCATION:
Certificate of Completion in Drafting – 1994

PROFESSIONAL CERTIFICATIONS:
USGBC LEED® Accredited Professional

Certified New York University - School of Continuing and Professional Studies

Understanding the NYC Approval, Permit and Certificate of Occupancy Process - 2003

New York University - School of Continuing and Professional Studies
New York City Building Code – 2002

Rafael G. Oranday has over 20 years of experience within the design profession. His experience is diverse and includes pre-design, design and post-design services for public and not-for-profit organizations. He is certified in permitting, is proficient with all South Florida building codes and standards and heads ACAI's Permit Expediting Department. Mr. Oranday interacts with all relevant resource managers to ensure that resources are available for the execution of the project. He is responsible for the scoping and planning of new projects in coordination with all stakeholders and produces/ maintains all relevant project management documentation.

Skills

Quality Control, Quality Assurance, Communication, Design Coordination, Inspection, Design Review, Resolving Discrepancies, Problem Solving, Permitting, Detailed Code Knowledge

Experience

Role on Select Projects Below: Design/Permit Support/Post-Design/Project Closeout

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

Public Safety Complex at FXE | *Fort Lauderdale, FL*
Delivered as part of a General Consulting Contract, ACAI served as the Design Criteria Professional and Design Architect for this phase of a multiple phase project to house the City's Executive Airport Administration functions. The building includes a police substation, an interior emergency operations center and offices for the airport's Director and staff. Phase two included the Airport's 29,000 SF Air Rescue Fire Fighting Facility along with its Training Center, Fire Station, and the City's permanent EOC Center. As part of ACAI's responsibility, the firm represented the Owner in all matters related to project delivery and conduct inspection services during construction. Phase three included an expansion to the administration building and systems retrofit upgrade as part of the airport's sustainability initiative.

Customs Facility at FXE | *Fort Lauderdale, FL*
ACAI provided construction management services for work during the construction phase of the U.S. Customs and Border Protection Facility at Fort Lauderdale Executive Airport. This strikingly modern building is a LEED Silver-certified, 7,900 SF facility and includes administrative office areas, restroom and bathing facilities, parking including spaces for the physical disabled, hybrid vehicles and carpool spaces, site lighting, irrigation and landscaping improvements, sidewalk and accessible paths for the physically disabled.

Broward County Judicial Center | *Fort Lauderdale, FL*
ACAI provided Architectural and Structural Engineering services related to the Wind Hardening of the East Wing of the Broward County Courthouse including a pre-design survey/report to establish the requirements for the design and construction documents phases. The project Included re-roofing, hardening of the existing FP&L vault, the pedestrian bridge over S.E. 3rd Avenue and miscellaneous openings at the North and West connections to adjacent buildings. As part of our involvement, ACAI prepared phasing documents to enable the tenant relocation, and the day-to-day operation and construction activities to occur simultaneously.

E6M32 Pedestrian Bridge over SR 5/US 1/Overseas Hwy Founders Park Design-Build | *Islamorada, FL*
New pedestrian bridge that incorporates a single span pedestrian bridge over SR 5 / US 1, elevator towers and stairways at both ends of the bridge including all structural, architectural, mechanical, lighting and electrical components, elevator machine rooms, foundations using auger cast piles, roadway, signing and pavement markings and shoulder widening, including a sidewalk extension to connect to the Treasure Village Montessori School to the park. Mr. Oranday and Architect of Record, Adolfo Cotilla, worked closely with Jesus Mustafa, Engineer of Record and design Project Manager.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Brian Spence, BCS
Group Leader: VDC, Project Delivery
Years of Aviation Experience: 5 / Years at ACAI: 6

EDUCATION:
B.S Computer Systems Engineering, University of Warwick, England

PROFESSIONAL CERTIFICATION:
COBie

Brian Spence has over 31 years of experience as a CAD/BIM manager. He has 20 years of experience in design and construction documents on building types ranging from airport terminals, FDOT Document Production and Project Management, education, retail, hotels, Condominiums, Parking Structures, and Assisted Living Facilities, to Religious and Non-Profit projects. Brian heads our CM-BIM aviation projects at FLL and TPA and is well versed in Revit Architecture, COBie, AutodeskRecap, Scene, as well as operating the Faro Laser Scanner.

Skills
Construction Document Production, AutoCAD, Revit, Code Knowledge

Experience
Role on Select Projects Below: Designer/Permit Support

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

Southwest Airlines Provo, GSE, Tech Ops and Facilities | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for the fast-paced project to renovate 23,000 SF metal framed warehouse at Fort Lauderdale-Hollywood International Airport. (FLL). This replacement facility allowed SWA to build a staged expansion of their who SWA station at FLL. The reuse of the existing warehouse required the addition of a vehicle service ramp to the 4' high deck for the service bays, and significant repair to the overhead doors and metal clad building. The electrical service to the building was expanded and new water connections were required for two large commercial ice houses that provide 24-hour service to the catering trucks on site. The facility also included offices, breakrooms, restrooms, lockers, and a data center for the operation of the services. Special MEP systems were added to the building for the use of compressed air, power tools, ventilation systems and large ventilation fans. The facility has room for expansion into adjacent bays as the services expand at the FLL station.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Monica Arcila, CPTED
Group Leader: Pre-Design, Design
Years of Aviation Experience: 5 / Years at ACAI: 3

EDUCATION:
B.A. Architecture
Florida Atlantic University

PROFESSIONAL CERTIFICATION:
CPTED

Monica Arcila is an architectural designer with over seven years of diverse experience in Architecture. She has served as Job Captain on numerous projects and is CPTED certified.

Skills
AutoCAD, Revit, Code Knowledge

Experience
Role on Select Projects Below: CADD Technician / Designer

New Federal Inspection Services and International Customs Facility | *Fort Lauderdale, FL*

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

MDAD EDS Scanning Room Concourse J, Gate 3 | *Miami, FL*
The project consisted of designing and building out of a 1,340 SF Energy Dispersive Spectroscopy (EDS) Scanning Room within a compressed timeline which was a critical component to the commencement of the El Al Airlines direct service to Miami International Airport. This built-out took place within the ramp level of Concourse J, Gate 3 and includes a number of high-tech scanners, bomb detectors and x-ray machines, used for secondary screening of customer baggage, prior to placing them on the aircraft. The room includes a dedicated air handler unit, technology, LED lighting, security, and a hardened perimeter wall to secure the baggage. Drawings were developed and issued for permit within a compressed timeframe of about one month, in close coordination with the MDAD Project Manager and construction duration was also compressed to at about 45 days from start to substantial completion.

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

Monica Arcila, CPTED

Broward County Aviation Department (BCAD) Airports GEC And Miscellaneous Services | *Fort Lauderdale, FL*
ACAI uses Virtual Design and Construction (VDC) technology to capture reality and deliver our visions in highly communicative 3-D. This promotes the project experience firsthand and affords user groups the ability of reviewing the work and seeing it develop. We developed the BIM standards document for Broward County Aviation Department in 2013, and they are part of BCAD's movement to developing applications for their maintenance programs using the COBie documentation from construction turnkey to facility management to track equipment and systems during the life of the project.

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

Southwest Airlines Air Cargo Facility | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for this fast-paced project to renovate three bays of the existing air cargo facility at Fort Lauderdale-Hollywood International Airport. (FLL). Expansion of the SWA Air Cargo Facility, originally designed by ACAI, included relocation of all tenant reception counters, business offices, data center, restrooms, lounge and locker rooms. Phased construction included relocation of insulated walk-in refrigerated units in a phased program to maintain airline operations at all times. The project included security walls between the open warehouse facility airside and the business offices open to the public on landside. Segregated sections of the warehouse were designated for Customs Storage for Air Cargo being received or shipped out internationally.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Damian Claiman, BA
Designer
Years of Aviation Experience: 7 / Years at ACAI: 17

EDUCATION:
B.A. Architecture, Argentina, 2001

A.S.
Building Construction Technology/
Construction Management

Technical Certificate
Building Construction Technology

LICENSING & REGISTRATIONS:
Registered Architect &
Master Builder
Argentina

Mr. Claiman has over 21 years of experience in the design profession. He has experience in a wide variety of building types, including government, additions/renovations, commercial, industrial, multi-use complex facilities, airports, school facilities and residential. He champions the project's design intent by providing technical leadership through both design development and construction documentation to assure delivery of accurate, detailed and coordinated project documentation. He has strong knowledge of building systems and codes. Mr. Claiman works with a project team to produce quality drawings within the client's timeframe and budget. Mr. Claiman is very detail oriented and his experience also includes direct design and coordination of technical documentation amongst disciplines and with sub-consultants.

Skills
AutoCAD, Revit, Code Knowledge

Experience
Role on Select Projects Below: Designer

FIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

Advanced Planning Study for Gate D60 at MIA | *Miami, FL*
This project involves 270,000 SF renovation and expansion to replace the existing Gate single-story openair commuter gates with new enclosed concourse matching adjacent 3 story concourse D. The project expands on the existing sterile corridor connections, baggage handling, airline operations and passenger accommodations to serve a projected increase in domestic and international gate needs at MIA. ACAI is providing Architectural and Programming services which include developing concept exhibits for terminal operations, proposed construction phasing and design criteria, based on terminal metrics and projections provided by the prime consultant to be part of a Project Definition Document (PDD). ACAI will also define the major design elements and preliminary code requirements for the project as part of the PDD and coordinate with other subconsultants who are providing studies of airside access, modifications, equipment needs and passenger boarding bridges, baggage handling and ROM budgeting for the project.

Public Safety Complex at FXE | *Fort Lauderdale, FL*
Delivered as part of a General Consulting Contract, ACAI served as the Design Criteria Professional and Design Architect for this phase of a multiple phase project to house the City's Executive Airport Administration functions. The building includes a police substation, an interior emergency operations center and offices for the airport's Director and staff. Phase two included the Airport's 29,000 SF Air Rescue Fire Fighting Facility along with its Training Center, Fire Station, and the City's permanent EOC Center. As part of ACAI's responsibility, the firm represented the Owner in all matters related to project delivery and conduct inspection services during construction. Phase three included an expansion to the administration building and systems retrofit upgrade as part of the airport's sustainability initiative.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Leon Cases, AIA

Project Management / Construction Management / QA/QC

Years of Aviation Experience: 10

Leon Cases is a dynamic, goal oriented, creative thinking management professional possessing excellent interpersonal, leadership, problem solving, and written/verbal communications skills. With more than 30 years of experience in architecture, construction, CM, and related fields managing complex multidisciplinary projects involving all phases of work. He is an excellent manager in matters related to his role in PM, CM, and QA/QC tasks and responsibilities.

EDUCATION:
Bachelor of Architecture
Florida Atlantic University

Bachelor of Science in Architecture
City College of New York

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #AR0016958
New York – #022761

Certified General Contractor
Florida – #CGC031477

Licenses Real Estate Salesperson
Florida – #SL-0655175

PROFESSIONAL CERTIFICATION:
30-Hour OSHA Certification
Asbestos Awareness Certification

Skills

Contract negotiations, Customer Relationship Management, Budget Management, Cost Reduction, Multi-Tasking Prioritizing, Procedures Development, VE/CA (Value Engineering/ Constructability Analysis), Schedule Analysis, Business Development, Mentoring

Experience

Construction Project Management Supervisor
Broward County Facilities Management Division
During his twelve-year tenure at the County Leon was responsible for all major capital improvement projects for the Division for the design work of architectural, engineering, and roofing consultants and the management of construction projects. His supervisory and management responsibilities include the planning, assigning, and reviewing the work of professional staff (PEs and ETs), participated in the review of contract agreements, developed a project program to assure compliance with the contract requirements, maintained consistencies with established industry standards, and developed a program to provide guidance on the implementation of facilities condition assessments for the Division.

Project Manager / QA/QC Manager American Airlines Miami Gateway North Terminal Project at MIA | *Miami, FL*
Turner Construction Company
As Project Manager from January 2000 to July 2005 Leon was responsible for the overall administration of the Contract for multiple Construction Projects. He maintained project cost, schedule, submittal, RFI, and change order controls, reviewed pay requisitions, monitored project progress, quality, and safety, and administered close-out. He managed assigned staff to assure schedule and budget goals. He reviewed pay requisitions to assure proper payment and avoided schedule delays by providing timely reviews, negotiations, processing and control on change orders.

As Quality Assurance Manager, Leon was responsible for the QA/QC program for a $1.3 Billion construction program. He provided compliance with all quality related contract requirements by overseeing a staff of (5) assigned to specific projects. Additionally, he resolved issues of governing authorities for inspections and final approval of the project with A/E and assisted in the development of personnel through mentoring and on-the-job training.

Project Manager - Concourse "A" Phase II, MIA; American Airlines Hangar #3095, MIA; SFRTA MIA Station | *Miami, FL*
Bermello, Ajamil, & Partners, Inc.
As Project Manager from April 1994 to December 1999 Leon managed the setup of project plan, staffing requirements, financial projections, expenses, and deliverables. Responsible for client, internal staff, sub-consultant, contractor, and vendor communication. Managed field staff of (5) providing construction administration for owner on a $44 Million project. He maximized project cash flow by providing financial management to ensure consistency, managing project data in financial management systems, and working with accounting or timely billing and receivable activity. Additionally, he maintained project progress by providing proper monitoring, documentation, reporting and communications; he managed, led, and mentored project staff of 5 members.

Leon Cases, AIA

Director of Purchasing / Director of Architectural Design
Shelby Homes Residential Builder
From August 2005 to May 2008, Leon Cases held dual roles as director of purchasing and architecture realizing amazing internal efficiencies greatly increasing the bottom line. Leon was the Director of Purchasing overseeing six (6) statewide residential developments. Leon achieved an increase of 20% in productivity and quality of work by managing and training new and existing staff. He reduced costs and time on projects 3% by constructing and coordinating VE/CA on plans. He created project bidding and subcontractor bid analysis systems, thereby streamlining the selection and contracting process. Further, he implemented and managed a buyout system to insure a complete, accurate, and timely buyout of new projects. Leon reduced construction costs by 5% overall through initial contract negotiations on all projects; and eliminated downtime for departments by managing subcontractor contracts, addendums, and C.O.'s on all projects; and he renegotiated an overall 5-8% contract price reduction on all project construction budgets. In addition, he increased company profits 2% by establishing, negotiating, and managing rebate programs with all major vendors and produced accurate construction budgets by utilizing Timberline management application to track and manage budgets.

As the Director of Architecture Leon Cases motivated staff in achieving goals by providing training and recognition, identified and resolved problems on new products and coordinated changes with Purchasing, Sales, Marketing, Construction, and Permitting departments to assure consistent results. He achieved 3% cost and time schedule savings through Value Engineering and Constructability review comments on plans for all project models, entry features, guardhouses, and clubhouses; reduced production down time 20% by streamlining the process of addressing Building Department comments and construction field changes with Architects, Purchasing, and Permitting Departments; and improved productivity and quality of work by developing and implementing a procedures manual.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



José Daza Aaron, BA

Project Management Post-Design Activities

Years of Aviation Experience: 19

EDUCATION:
Bachelor of Architecture
Universidad Autonoma del Caribe, Colombia

LICENSING & REGISTRATIONS:
Registered Architect License
Colombia – #0070014335ATL

PROFESSIONAL CERTIFICATION:
NCARB – #52782

PROFESSIONAL AFFILIATIONS:
AIA | American Institute of Architects
Homestead, FL | Planning and Zoning Board Member

José Daza has over 30 years experience in the architecture and construction industries, with an extensive track record delivering construction project management and owner representation services for aviation projects within large hub airports. His recent projects include construction administration of the LATAM Airlines Maintenance Hangar Facility at Miami International Airport, New Cargo Terminal and Renovations to the Existing Cargo Terminal of El Dorado International Airport, Colombia, South America, and American Airlines North Terminal Development at MIA.

Experience

Role on select projects below: *Project Management, Quality Control/Quality Assurance, Coordination and Owner Interface*

LATAM AIRLINES | *Miami, FL*
Represented LATAM Airlines during the construction of the LATAM Airlines Maintenance Hangar Facility at Miami International Airport. Responsible for coordination with owner, architect, engineers, contractor, Miami Dade Aviation Department and Miami Dade Building Department. In charge of the owner's weekly meetings, meeting minutes, monthly project reports and project financial status. Duration: 2014 to 2016

LATAM Airlines Maintenance Hangar Facility | *Miami International Airport*
- Hangar facility is three stories high, area 95,000 SF with access to runway 9-27 S-T at MIA.
- Maintenance area for one aircraft: Boeing 777, B777-300ER, B787, B767 and Airbus A350.
- First maintenance hangar facility of a foreign airline in the United States.

New Cargo Terminal El Dorado International Airport | *Bogotá, Colombia*
The new Cargo Terminal is a modern facility with an area of 1,203,835 SF that includes 559,723 SF of cargo areas, coolers, cargo service units and office building of 75,347 SF, cargo consolidation areas, security and road expansion for access to the new cargo terminal. Duration: 2008 to 2013

Existing Cargo Terminal Renovations El Dorado International Airport | *Bogota, Colombia*
The third phase of the development of the New Cargo Terminal at El Dorado International Airport, Colombia, was the renovations to the TC1 Existing Cargo Terminal. The new design of this terminal offers updated spaces for the day to day operations of this facility and the latest standards in the industry. The renovation of this terminal started with demolition in different phases in order to maintain the terminal open and in operation. Cargo area 258,000 SF.

American Airlines North Terminal Development | *Miami, FL*
The services provided for the 741D Extension Terminal at MIA included coordination of contract documents, construction administration, meeting with contractor, owner, Miami Dade Aviation Department and Miami Dade Building Department. Duration: 2001 to 2004

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Larry M. Schneider, AIA, NCARB

Staff Consultant and SME: ADA

Years of Aviation Experience: 10 / Years with ACAI: 12

EDUCATION:
Bachelor of Architecture
University of Florida

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #7443

PROFESSIONAL CERTIFICATION:
NCARB – #21783

Larry M. Schneider has over 40 years of experience in architecture and has been involved with accessibility codes for the State of Florida since 1985 where he served as a member of the Department of Community Affairs Special Task Force resulting in the 1990 edition of the Florida Accessibility Manual. He brings a plethora of ADA history at MIA because of his previous involvement at the airport. Larry has a special working relationship with Adolfo Cotilla spanning 5 decades.

In 1992 he was appointed to the Florida Board of Building Codes and Standards, was elected its chair in 1993, and served as the chairperson of that board until 1996.

In 1993 the State of Florida decided to rewrite its accessibility code to comply with the ADA Standards. Mr. Schneider was the representing architect on this endeavor. In 1997, the State of Florida decided to rewrite its accessibility code again to comply with the DOJ comments for certification of the FACBC.

Mr. Schneider was also the representing architect on this undertaking. He sat on the AIA National committee to review and prepare position papers for the AIA on the proposed changes to ADAAG. He currently is the AIA representative on the ANSI A117.1 Committee that creates the national guidelines for accessibility compliance and use.Mr. Schneider has been a speaker at past AIA Florida Conferences on Accessibility (Fair Housing, the ADA and FACBC), and a Facilitator for the AIA National Seminar on ADA. He currently provides general accessibility consulting services to clients in the public and private sector as it relates to Title II and III of the ADA as well as to the Fair Housing compliance issues. He has continued to remain active in the code process and in issues of concern by the disabled community. He was awarded the State of Florida Governor's Award for Extraordinary Title III Compliance Award for his work in helping the citizens and design professionals to understand the Florida Accessibility Code.

Experience

Role on Select Projects Below: ADA Specialist, Code Compliance

- Miami International Airport - *Miami, FL*
- Collier County, FL
- Lee County, FL
- St. Lucie County, FL
- City of Miami Beach, FL
- City of Orlando, FL
- City of Hollywood, FL
- City of Hialeah, FL
- City of Boca Raton, FL
- City of Naples, FL
- City of Coral Gables, FL
- City of Stuart, FL
- City of Miami, FL
- Miami-Dade County - *Miami, FL*
- Nassau County, FL
- St. Joe Company - *FL*
- Orange County Convention Center - *Orlando, FL*
- Seminole Hard Rock Resort and Casino - Hollywood & Tampa, FL
- Miami Seaquarium - *Miami, FL*
- State of Florida - *Keys Marine Lab*
- Muvico Theaters - *FL*
- Host Marriott Corporation - *FL*
- Sonesta Beach Hotel & Tennis Club - *Key Biscayne, FL*
- Pier House - *Key West, FL*
- Miami Science Museum - *Miami, FL*
- Hyatt Regency Hotel - *Coral Gables, FL*
- Weeki Wachee Springs - *FL*
- Safeway Grocery Stores - *USA*
- Busch Entertainment/Theme Parks
- Weston Town Center - *Weston, FL*
- Ritz Carlton - *West Palm Beach, FL*
- Bal Harbour Shops - *Bal Harbour, FL*
- HCA Hospitals
- Tenet Hospitals
- Carnival Cruise Lines
- Holland Cruise Lines
- Royal Caribbean Cruise Lines
- Pizza Hut of America
- Minto Communities Inc. - *FL*
- Aventura Mall - *Aventura, FL*
- Parrot Jungle - *Miami, FL*
- Edison Community College - *Naples, FL*
- Florida Atlantic University - *Ft. Lauderdale, FL*
- Universal Studios - *Orlando, FL*
- PGA Tour, Inc.
- Home Depot - *FL*
- Kenco Communities - *FL*
- Boca Raton Hotel and Resort - *Boca Raton, FL*

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Edwin L. Williams, RRC, RRO

Staff Consultant and SME: Design Building

Years of Aviation Experience: 15 / Years with ACAI: 8

EDUCATION:

Business Administration
East Carolina University

Roofing Industry Educational Institute

Various Manufacturers Seminars

Built-up Roofing Systems Institute

PROFESSIONAL AFFILIATIONS:

International Institute of Building Envelope Consultants (formerly RCI) | Registered Roof Consultant

NCRA | National Roofing Contractors Association

Exterior Design Institute | Certified Third Party EIFS Inspector

Mr. Williams has over 41 years of experience in the roof consulting and waterproofing industry and has held the title of Registered Roof Consultant since 1995. He was a roof consultant and Division Manager for the nation's largest roof consulting organization. He is trained in the design and installation of all types of roofing. Experience includes analysis, testing and design of all systems including single-ply, built-up roofing, shingles, modified, slate, tile polyurethane foam and metal. He is also proficient in the design and application of waterproofing and sealants including the building envelope. His major projects include schools, hospitals, military facilities, power plants, retail centers, office facilities, medical facilities and government buildings Examples of his notable projects include Bell South, S.D. Spady Elementary School, Coconut Creek Government Center, Orleans's Condominium, U.S. Postal Service, Florida Atlantic University, Winn Dixie, Broward County Community College, Miami International Airport where he performed various services including visual surveys, moisture surveys, design specifications and various testing services.

Experience

Mr. Williams' expertise includes review of moisture surveys, pre-design surveys, failure analysis and investigation of water entry problems relating to building roofs, walls and waterproofing. He also provides recommendations for budgets and systems, renovation design, recommendations for repair and financial evaluation of options; preparation of budget and engineering estimates, construction details, contractor evaluation criteria; performance of pre-bid meetings, contractor bid evaluation, pre-construction meetings, submittal review and contract administration.

Roofing and Building Envelope Experience

- Miami International Airport - *Miami, FL*
- Margate library
- BSO Service Center
- Hollywood Library Waterproofing Inspection
- South Regional Courthouse
- Paul Rein Facility
- North Regional Library
- Northwest Family Success Center
- Public Safety Complex
- Tamarac Library
- Hollywood Library
- Traffic Engineering
- Government Center West
- Building Code Services
- African American Library

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Bruce Davis, RA, LEED® GA

Group Leader: Pre-Design, Design, and Project Delivery Planning and Permitting

Years of Aviation Experience: 2 / Years at ACAI: 7

Bruce Davis has over 14 years of experience in the field of Architecture, focused on providing efficient project delivery and client satisfaction. As Project Architect with experience in all facets of architectural services from schematic design to construction Administration, with a wide variety of technical projects in Laboratory and Healthcare Design.

EDUCATION:
B.A. in Architecture
(Magna Cum Laude)
Florida Atlantic University

A.A. Architecture
Broward College

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #96298

PROFESSIONAL CERTIFICATION:
USGBC LEED® BD+C Accredited Professional

PROFESSIONAL AFFILIATIONS:
AIA Fort Lauderdale
USGBC - U.S. Green Building Council
AHCA Experience
Atlantic Technical College - ACE Mentoring, Board Member and Mentor; City of Margate Unsafe Structures Board
4Kids of South Florida Mentor

Skills

Quality Control, Quality Assurance, Communication, Design Coordination, Inspection, Design Review, Resolving Discrepancies, Problem Solving, Project Budget Management, Detailed Code Knowledge

Experience

Role on Select Projects Below: Project Architect

CBIS at FLL | *Fort Lauderdale, FL*

ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

FIS at FLL | *Fort Lauderdale, FL*

ACAI is the Architect of the new Federal Inspection Services (FIS) at Fort Lauderdale- Hollywood International Airport (FLL). Located adjacent to Terminal 4 this 127,000 SF facility is staffed by United States Customs and Border Protection (CBP) and will increase the number of international passenger gates from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The resulting international customs facility will be the gateway to all international passengers arriving at FLL. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP.

E-FIS Advanced Planning Study at MIA | *Miami, FL*

Reconfiguration of the FIS in Terminal E is part of the whole vision for the development of the Central Terminal Renovation (CTR) at MIA. New glass facades and exit stairs on the (CTR) bays enhances daylighting at the south end of the baggage hall. Architectural planning includes clarity of vertical circulation with the addition of new escalators and elevators between the third floor and the ramp level baggage hall. Passenger comfort facilities include new spacious restrooms and family gathering spaces along the route to the primary processing hall. At the discharge point of the FIS, a recheck facility is available for passengers to conveniently re deposit bags into the baggage system for a domestic flight. Space is also available for passenger amenities for travelers with short term waits for transfers to domestic flights or cruise line services.

Bruce Davis, AIA, LEED® GA

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*
ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

Advanced Planning Study for Gate D60 at MIA | *Miami, FL*
This project involves 270,000 SF renovation and expansion to replace the existing Gate single-story openair commuter gates with new enclosed concourse matching adjacent 3 story concourse D. The project expands on the existing sterile corridor connections, baggage handling, airline operations and passenger accommodations to serve a projected increase in domestic and international gate needs at MIA. ACAI is providing Architectural and Programming services which include developing concept exhibits for terminal operations, proposed construction phasing and design criteria, based on terminal metrics and projections provided by the prime consultant to be part of a Project Definition Document (PDD). ACAI will also define the major design elements and preliminary code requirements for the project as part of the PDD and coordinate with other subconsultants who are providing studies of airside access, modifications, equipment needs and passenger boarding bridges, baggage handling and ROM budgeting for the project.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Noel Ogunbunmi, LEED AP BD+C

Group Leader: Pre-Design, Design

Years of Aviation Experience: 15 / Years at ACAI: 6

EDUCATION:
Masters in Architecture,
AVA School of Architecture
(University of East London)

PROFESSIONAL CERTIFICATIONS:
USGBC LEED® BD+C Accredited Professional
SODA Certified Digital Designer

PROFESSIONAL AFFILIATIONS:
RIBA | Royal Institute of British Architects
PPA | Professional Photographers of America

SOFTWARE APPLICATIONS:
3D Studio Max
Revit Architecture
AutoCAD Architecture
Photoshop
InDesign
Sketch-Up

Noel Ogunbunmi has over 18 years of architectural experience delivering projects in the aviation, education, and commercial sectors in the USA and Internationally. His project experiences include phases from feasibility studies through construction administration with an integrated approach utilizing, Building Information Modeling (BIM), Scan to BIM, Navisworks, COBie, Visualization and Animation tools to successfully communicate design, sustainability and construction through Design Review Boards (Zoning), Permitting (Building Department) and the Owners Facilities Management Team. Mr. Ogunbunmi sees design and detail as a concurrent process used to manage the expectations of the client and stakeholders. His experience and involvement in the firm has been in the successful management and delivery of projects, generating proposals, coordinating consultant meetings and agendas, resource planning and management, monitoring staff and project budget and deliverables.

Skills

Planning, Design Review, Resolving Discrepancies, Problem Solving, Detailed Code knowledge, Advanced VDC Skills; 3D Studio Max; Revit Architecture; AutoCAD Architecture

Experience

Role on Select Projects Below: Aviation Planner

MDAD EDS Scanning Room Concourse J, Gate 3 | *Miami, FL*
The project consisted of designing and building out of a 1,340 SF Energy Dispersive Spectroscopy (EDS) Scanning Room within a compressed timeline which was a critical component to the commencement of the El Al Airlines direct service to Miami International Airport. This built-out took place within the ramp level of Concourse J, Gate 3 and includes a number of high-tech scanners, bomb detectors and x-ray machines, used for secondary screening of customer baggage, prior to placing them on the aircraft. The room includes a dedicated air handler unit, technology, LED lighting, security and a hardened perimeter wall to secure the baggage. Drawings were developed and issued for permit within a compressed timeframe of about one month, in close coordination with the MDAD Project Manager and construction duration was also compressed to at about 45 days from start to substantial completion.

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility

Terminal Planning at FLL with Leigh Fisher | *Fort Lauderdale, FL*
The project consisted of early planning studies for the vertical expansion of T1 and T2 and developing design guidelines and standards for the Terminal Areas of Fort Lauderdale International Airport. The goal of the documents was to establish a general direction for all future developments, including Terminal areas; create descriptive criteria regarding appearance, cost and maintenance goals; and establish a vision for all future building programs.

Noel Ogunbunmi, LEED AP BD+C

FIS at FLL | *Fort Lauderdale, FL*
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Southwest Airlines Air Cargo Facility | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for this fast-paced project to renovate three bays of the existing air cargo facility at Fort Lauderdale-Hollywood International Airport. (FLL). Expansion of the SWA Air Cargo Facility, originally designed by ACAI, included relocation of all tenant reception counters, business offices, data center, restrooms, lounge and locker rooms. Phased construction included relocation of insulated walk-in refrigerated units in a phased program to maintain airline operations at all times. The project included security walls between the open warehouse facility airside and the business offices open to the public on landside. Segregated sections of the warehouse were designated for Customs Storage for Air Cargo being received or shipped out internationally.

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

E-FIS Advanced Planning Study at MIA | *Miami, FL*
Reconfiguration of the FIS in Terminal E is part of the whole vision for the development of the Central Terminal Renovation (CTR) at MIA. New glass facades and exit stairs on the (CTR) bays enhances daylighting at the south end of the baggage hall. Architectural planning includes clarity of vertical circulation with the addition of new escalators and elevators between the third floor and the ramp level baggage hall. Passenger comfort facilities include new spacious restrooms and family gathering spaces along the route to the primary processing hall. At the discharge point of the FIS, a recheck facility is available for passengers to conveniently re deposit bags into the baggage system for a domestic flight. Space is also available for passenger amenities for travelers with short term waits for transfers to domestic flights or cruise line services.

Southwest Airlines Provo, GSE, Tech Ops and Facilities | *Fort Lauderdale, FL*
ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for the fast-paced project to renovate 23,000 SF metal framed warehouse at Fort Lauderdale-Hollywood International Airport. (FLL). This replacement facility allowed SWA to build a staged expansion of their who SWA station at FLL. The reuse of the existing warehouse required the addition of a vehicle service ramp to the 4' high deck for the service bays, and significant repair to the overhead doors and metal clad building. The electrical service to the building was expanded and new water connections were required for two large commercial ice houses that provide 24-hour service to the catering trucks on site. The facility also included offices, breakrooms, restrooms, lockers, and a data center for the operation of the services. Special MEP systems were added to the building for the use of compressed air, power tools, ventilation systems and large ventilation fans. The facility has room for expansion into adjacent bays as the services expand at the FLL station.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Steve Webb, AA, ICC
Group Leader: Design, Post-Design
Years of Aviation Experience: 5 / Years at ACAI: 5

EDUCATION:
A.A in Architecture
Broward College

PROFESSIONAL CERTIFICATIONS:
ICC - Certified Accessibility Inspector
CPTED

Steve Webb has over 21 years of experience in Architecture. He is skilled at Construction Document production, because he understands how a building goes together and gets built. Combined with his extensive of experience in the field and providing Construction Administration services, he produces exceptionally well developed and balanced work. His Aviation experience includes serving as Construction Project Manager for a wide variety of both air side and land side projects in Florida. Mr. Webb is also a certified Accessibility Inspector and has provided design and construction administration for many facilities to modify existing buildings in compliance with the Americans with Disabilities Act (ADA). The following is a list of selected project experience:

Skills

Construction Document Production, ADA Compliance, Detailed Code Knowledge

Experience

Role on Select Projects Below: Construction Administration and Field Inspections

CBIS at FLL | *Fort Lauderdale, FL*
ACAI is the Architect of Record for this 32,500 SF facility and is providing BIM, scanning, life-safety planning, design, interiors, graphics, and post design services for the project. The CBIS project was built in space adjacent to the existing manual baggage sorting and scanning service, which included significant coordination with airline operations and construction services to maintain baggage handling services during the installation of the new automated BHS system and scanning equipment. The Central Baggage Re-Inspection Area (CBRA) was built in phases to allow portions of the BHS system to be switched to the new CBIS system while maintaining existing operations for the TSA. ACAI also provided architectural coordination with the MEP/FP/ Security system consultants and managed significant coordination with the Baggage Handling system that included over 20 phases of system installation to maintain operations of the current operations for six manual scanners and four make-up tables for the 14 gate facility being served by the current manual BHS system that existed in the same area as the new facility.

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
This project is part of SWA's Master Plan to expand Line MX operations in Terminal 1A and 1B to be phased in two construction projects each with multiple phases to maintain current operations. SWA Terminal 1A – Line Maintenance Expansion is a 9,000 SF facility renovation inside Terminal 1. The Scope of work includes storage and business areas with open work areas and storage for tools with worktables. SWA Terminal 1B Expansion – Ground Operations is a relocation and expansion of the ground operations area. The new facility is a 17,300 SF space with a station service area, operations area, ramp supervisors area, training room with offices for training managers, command center, large employee break room, lockers for men and women, and offices with a large conference room. The project is to be completed in phases to allow ongoing operations of the departments.

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ACAI was responsible for Architecture, Interiors, Engineering and Construction Administration for the fast-paced project to renovate 23,000 SF metal framed warehouse at Fort Lauderdale-Hollywood International Airport. (FLL). This replacement facility allowed SWA to build a staged expansion of their who SWA station at FLL. The reuse of the existing warehouse required the addition of a vehicle service ramp to the 4' high deck for the service bays, and significant repair to the overhead doors and metal clad building. The electrical service to the building was expanded and new water connections were required for two large commercial ice houses that provide 24-hour service to the catering trucks on site. The facility also included offices, breakrooms, restrooms, lockers, and a data center for the operation of the services. Special MEP systems were added to the building for the use of compressed air, power tools, ventilation systems and large ventilation fans. The facility has room for expansion into adjacent bays as the services expand at the FLL station.

Steve Webb, AA, ICC

Southwest Airlines Air Cargo Facility | *Fort Lauderdale, FL*

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FIS at FLL | *Fort Lauderdale, FL*

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Adam Albertelli, AS

Inspections, Asphalt Plant Cert, and Reality Capture (LiDAR)

Years of Aviation Experience: 4 / Years at ACAI: 4

EDUCATION:
A.S. Building Construction Technology/ Construction Management;

Technical Certificate Building Construction Technology

PROFESSIONAL CERTIFICATIONS:
FDOT Asphalt Plant Technician Level 1 Certification

Adam Albertelli has more than 5 years of diverse experience in Architecture, including educational, commercial, medical, residential, industrial, and transportation projects. He is responsible for VDC Laser scanning and coordination, construction administration, field inspections, project management, CAD Drafting, and BIM Modeling.

Skills

Construction Management, Project Documentation, plans management, detailed code Knowledge (including ADA), coordinate responses to construction correspondence, perform site observations and document same, respond to RFI', review and respond to first level shop drawings.

Experience

Miami International Airport Explosive Detection System Room | *Miami, FL*
VDC Laser Scanning of Infrastructure, Structure, and existing conditions for small EDS room at MIA.

CBIS at FLL | *Fort Lauderdale, FL*
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Fort Lauderdale-Hollywood International Airport Taxi Holding Lot | *Broward County, FL*
ACAI provided construction administration for the design of a new taxi holding lot for Fort Lauderdale-Hollywood International Airport. Services included field visits and inspections to determine quality and completion of contractor's work.

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Public Safety Complex at FXE | *Fort Lauderdale, FL*
Delivered as part of a General Consulting Contract, ACAI served as the Design Criteria Professional and Design Architect for this phase of a multiple phase project to house the City's Executive Airport Administration functions. The building includes a police substation, an interior emergency operations center and offices for the airport's Director and staff. Phase two included the Airport's 29,000 SF Air Rescue Fire Fighting Facility along with its Training Center, Fire Station, and the City's permanent EOC Center. As part of ACAI's responsibility, the firm represented the Owner in all matters related to project delivery and conduct inspection services during construction. Phase three included an expansion to the administration building and systems retrofit upgrade as part of the airport's sustainability initiative.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Felix Lubin, BA
Reality Capture
Years of Aviation Experience: 6 / Years at ACAI: 6

EDUCATION:
Bachelor of Architecture
Temple University

Felix Lubin has over 10 years diverse experience in the field of architectural and structural design. Mr. Lubin has the ability to simultaneously manage multiple architectural projects through Schematic Design, Design Development, Construction Documents and Construction Management. He has extensive experience using and managing Building Information Modeling (BIM) projects and is well versed in Revit Architecture.

Skills

AutoCAD, Revit, Code Knowledge

Experience

Southwest Airlines Terminal 1A & 1B | *Fort Lauderdale, FL*
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CBIS at FLL | *Fort Lauderdale, FL*
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TPA Airport MTCE - West Tampa Glass BIM | *Tampa, FL*
ACAI provided modeling and coordination of the exterior storefront and curtain wall systems for the Tampa International Airport, Main Terminal Curbside Expansion and Central Utility Plant.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Raul Ontano, MA
QA/QC Post-Design Activities
Years of Aviation Experience: 5 / Years at ACAI: 5

Raul Ontano provided construction administration and design detailing services as an ACAI staff for over five years. He is a personable collaborator who actively liaises with clients throughout projects to forge open communication and mediate challenges early. As a Forensic Engineer, Mr. Ontano appraised building damage deficiencies and failure causes. He also validated testing protocols according to NOC Miami-Dade regulations. Additionally, Mr. Ontano tracks project progress against goals, objectives, approved budgets, and approved timelines; provides QA/QC; and understands the construction process. He has worked on large-scale public sector projects in North America, South America, and the Middle East including parking garages and skyscrapers.

EDUCATION:
Master of Architecture,
University of Buenos Aires, Argentina

Civil Engineering Program
University of Buenos Aires, Argentina

Qualification, Ministry of Health
Riyadh, Saudi Arabia

PROFESSIONAL CERTIFICATIONS:
OSHA 30 Certification

Building Regulations and Codes Certification
Harvard University, Cambridge, MA

Construction Management Certification
Miami Dade College, FL

General Contractor Certification Program,
G.C. School of Construction, FL

Best Value Contractors

Skills

Quality Control, Quality Assurance, Communication, Design Coordination, Inspection

Experience

American Airlines North Terminal Development at MIA | *Miami, FL*
Substantially reduced non-compliance rates through close oversight of work performed by subcontractors. Decreased installation errors and prevented concealed problems or future setbacks. Managed quality assurance and control on MEP deficiencies, reinforced concrete, curtain wall, roofing, and interior/exterior finishes.

Key Contributions:
- Led QA/QC for the $3.5 billion Miami International Airport North Terminal Development Program.
- Supported $26 million project to construct automated elevated train “people mover” at the Miami International Airport, a major rooftop installation with four stations and mechanical cores.
- Boosted performance of construction team and subcontractors by supervising their daily activities and recommending preventative action and improvement opportunities to management.

Public Safety Complex at FXE | *Fort Lauderdale, FL*
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Forensic Building and Roofing Investigations | *Florida, USA*
Conducted in-depth assessment of state of construction for buildings, spanning wall components, curtain walls, windows, and interior finishes. Investigated damage from nature or age. Assessed and analyzed roof conditions and the quality of installation in conformance with FBC, NRCA, and SMACNA specifications.

Security Forces Medical Center Project Riyadh - PkA / Security Forces Medical Center Project Jeddah – PkB Manager | *Riyadh/Jeddah, SA*
Each of the centers included parking garages (total of five) with approximately 770 parking space each as well as the required utility infrastructure and road systems as a part of the site plan. Precast elements connected to RC foundations, Shear Walls for vertical cores and Hollow Core Slabs with concrete topping and MEPF installations.

Raul Ontano, MA

Forensic Engineering for Various Projects

- Appraisal of building damage deficiencies and failure causes.
- Validation of testing protocols according to NOC Miami-Dade regulations.
- Roof design documents and inspections. Assessment of existing waterproofing systems and materials failures, $6 million in scope, installed on the Soho Plaza deck, Birmingham, AL.

Security Forces Medical Centers | *Riyadh/Jedda, SA*

- Provided total quality management system throughout construction.
- Advocated total alignment with specifications for project scope, schedule, and quality.
- Reviewed and approval of contractor's proposed roofing design and detailing.
- Minimized contract issues for procurement of mechanical equipment, materials, and systems
- by implementing standardized controls and closely monitoring each phase of the process.
- Implemented in-depth evaluation criteria to streamline bidding procedures, enabling complete, accurate bidding information.
- Designed OSHA and civil defense compliant HSE management plan, procedures, and audits.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



Fernando R. Prieto, RA
SME: Terminal Consultant
Years of Aviation Experience: 40

EDUCATION:
Masters of Arts in Architecture
1977, University of Florida
College of Architecture

LICENSING & REGISTRATIONS:
Registered Architect License
Florida – #AR0008840

Fernando Prieto has over 40 years of project experience in architecture, planning and design for airport related projects ranging from Airport Terminals, Hotels, Office Buildings, Warehouses/ Cargo facilities, Fueling Depots, Aircraft Rescue and Firefighting Facilities (ARFF), Control Towers (ATCT), Customs and Immigration offices, Hangars (maintenance and storage), and other related activities in the private and governmental sector. Mr. Prieto worked on aviation projects at the following domestic and international airports: Miami-Opa-Locka; PBIA; North Palm Beach; Palm Beach County Park; St. Lucie International; Orlando International; Orlando Executive; Tallahassee Regional; Whitman Field; St. Petersburg/Clearwater International; Destin; Kissimmee Gateway; Henry E. Rohlsen International (USVI); Kotoka International (Ghana); Tribhuvan International (Kathmandu); Akwa Ibom International; Entebbe International Airport (Africa); Sao Tome International (Africa); New Quito International (Ecuador); El Dorado International (Columbia); Piarco International (Trinidad); Sangster International (Jamaica); Brunei International (Brunei, E.A); Borg El Arab International (Egypt).

Skills

Project Management, Quality Control, Responsible Supervisory Control, Client Contact, Detailed Code Knowledge.

Experience

Gate 301, Embassair, Miami-Opa-Locka Airport (VIP FBO Hangar) | *Opa Locka, FL*

ACAI provided pre-design services for Embassair Group International for the development of a Preliminary Design Package for a high end, technology driven prototypical VIP FBO of approximately 400,000 SF. The project included associated ramps, surface parking, land and air side ancillary amenities, improvements, and other requirements by Miami Opa Locka Executive Airport (OPF). The Design Package was required by MDAD, OPF and the FAA in order for Embassair to execute a lease with MDAD. Final deliverables included preliminary budget, schedules, design criteria, a site plan, floor plans (optional) and elevations. The area of the building is approximately 115,000 GSF.

Palm Beach International Airport | *West Palm Beach, FL*

- Cargo Building - A $2 million, 50,000 sf. Building is the first of three new cargo buildings for the airport.
- AUTEC Range Svcs - Maintenance Hangar and Office facilities. This facility houses aircraft maintenance, shipping and receiving, offices and personnel terminal that supplies the Navy Undersea Test Center in the Bahamas.
- Maintenance Compound - Renovated three buildings, revise parking area, security gates and electrical service. Incorporate phasing in order to keep operating during construction.
- General Consultant to perform Architectural services. 28-year involvement at PBIA various Terminal Facility improvements including the original Terminal design.
- Federal Inspection Services Facility for general aviation uses. Produce design development documents, provided construction administration services, and in addition coordinated with Federal Agencies.
- Jet Aviation, Inc. - Master plan and design for hangar facility with adjoining offices. This hangar facility is part of an expansion program to which provided design and construction documents.

Palm Beach International Airport, Signature Flight Support | *West Palm Beach, FL*

- $2 million, hangar/office facility and apron. Designed a two-hangar 16,000 sf each and office facility on a fast-track approach. Set precedence for Fire Protection standards on the south side of the airfield.
- Renovation of FBO Terminal Building and Maintenance Facility, $800,000 renovation included the Master Planning of the entire Signature Flight Service grounds lease.
- Master plan and design for a hangar facility, which will consist of a number of large corporate hangars.

Fernando R. Prieto, RA

North Palm Beach County General Aviation Airport, Palm Beach County Board of County Commissioners, Department of Airports | *Palm Beach County, FL*

- Four (4) buildings (A, B, C, & D) housing fifty-eight (78) individual T-hangars on the north side of the Airport property
- Two (2) 15,000 S.F. Maintenance Hangar buildings.
- Three (3) T-Hangar projects totaling 223 individual hangars for private aircraft. Hangar types included Standard T-Hangar, Corporate, and Executive Hangars.
- New Corporate Hangars Buildings E & F - a 41,000 Total S.F. Hangars which housed (11) aircraft.

St. Petersburg/Clearwater International Airport | *St. Petersburg, FL*

- Stimulus Projects - Project Manager for various projects of defined scope and complexity to new construction, demolition, and renovation of existing facilities in and around the terminal building.
- New Corporate Hangar Development - This project consisted of developing a 7.48-acre parcel at the St. Petersburg / Clearwater International Airport for Holland Sheltair Aviation Facilities. As part of a Design Build effort with Holland Builders, Baker was responsible for the design of 4 individual 19,800 sf Aircraft Storage Hangars with 3,000 sf of office space adjacent to each hangar. The work included full Architectural and Civil Site Work. The proposed Hangars are a combination of concrete block and metal. Environmental Issues included permitting with SWFWMD District and USACOE for impacts to Open Surface Waters and a tidally influenced swale.

St. Lucie International Airport | *Fort Pierce, FL*

Renovation of an existing single-story building of approximately 4,934 sf and an addition to the existing building of approximately 3,332 sf. This project also includes a photovoltaic solar system and an energy efficient lighting/HVAC system as part of an energy conscious design required by the County.

Greater Orlando Aviation Authority/ZHA Inc., Orlando International Airport | *Orlando, FL*

Project Architect of the general consulting services team. This team developed numerous projects for the airport as requested by the Client.

Orlando Executive Airport, Sheltair FBO Terminal and Hangars | *Orlando, FL*

Project Architect, Constructing an FBO Terminal for a 19,800 sf hangar with a 2,400 sf office area, a 12,800 sf hangar with a 1,920 sf office area, and a 9,800 sf hangar with a 1,680 sf office for Holland Builders.

New Airport Administration Building, Whitman Field | *Stuart, FL*

Project Architect for a new 8,592 sf, 2 story building. Included as part of this project is the relocation of the airfield electrical vault which is incorporated as part of the new structure.

Henry E. Rohlsen International Airport | *St. Croix, U.S. Virgin Islands*

Project Manager for construction administration of a $4.6 million air traffic control tower.

El Dorado International Airport, Aeronáutica Civil | *Bogotá, Colombia, S.A.*

Terminal expansion and renovation of the International Arrivals Concourse. Participated as project architect responsible for design, construction documents, and construction administration for this $30 million improvement.

Piarco International Airport, Airport Authority of Trinidad and Tobago (AATT) | *Trinidad, West Indies*

32 gate Terminal Building schematic design team. Designed and produced preliminary design documents and project scale model.

Sangster International Air Terminal Ltd. | *Montego Bay, Jamaica*

Sangster International Airport Terminal Renovation and Expansion. Produced design and design development documents for this $59 million development.

Prototype Terminal Building Designs, National Airports Company (NAC) | *Papua New Guinea*

The National Airports Company, in an effort to modernize the aviation system in the country, has begun a $250,000,000 airport improvement program for all airports. We were contracted to design prototypical Terminal Builds of different sizes to accommodate the needs of the traveling public at different airports. The designs will be delivered in Design/Build contracts. Phase One includes seven Terminal Buildings with associated site improvements.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Arden Ballard

1550 Blueberry Dr. Titusville, FL 32780 • (321)961-7796 • ardy@aba-con.com

Experience

7/2008 – Present | ABA-CON Inc
Aviation Services | Titusville, FL

OWNER – President

- State Certified General Contractor
- Design-build installation of fuel storage systems up to 30,000 gallons.
- Upgrade and recondition used equipment.
- Oversee all aspects of company. Sales, job management, and production.
- Quote and create bill of materials for all projects.
- Approve, review and red-line all project drawings to customer specifications
- Create PO's and manage incoming inventory.
- Manage all projects to budget and schedule.
- Specialty and custom service quotes

1/1986 – 2/2007 | Fuel Tech, Inc. | Mims, FL

Director of Operations

- 20 Years experience in the aviation fuel storage industry.
- Designed & built fuel storage systems up to 30,000 gallons that flowed up to 600 Gallons per minute.
- Sales of fuel systems and parts, technical support, and managing the complete facility.
- Review, schedule, and oversee all jobs in production, and oversee and schedule all site work.
- Recondition aviation refueler trucks.
- Qualifications include but are not limited to the following:
    - Pumps: rebuilds to manufacture specifications, sizing pumps for specific use.
    - Valves: Rebuilt air, diaphragm and control valves.
    - Filters: Changed out aviation fuel product elements for vessels up to 600 GPM. Reconditioned filter vessels. Mechanical Seals: Replace mechanical seals in pumps up to 600 GPM.
    - Pipe Fitting / Welding: Pipe welding up to 6".
    - Off loaded and loaded tanks and equipment using 30,000 lb forklift.
- Supervised manufacturing facility oversaw product from start to finish.
- Quality control and writing standard operating procedures are my specialty.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Stephen Reaves

(321)745-0201 • Stephen@aba-con.com

Experience

1/2009 – Present | ABA-CON Inc
Aviation Services | Titusville, FL

OWNER – Vice President

- Manage Turn Key Jobs from shop to site.
- Oversee all projects onsite.
  - Provide site safety meetings and maintain safety logs.
  - Mange job site and any sub-contractors onsite.
- Review, schedule, and oversee all jobs in production in shop.
- Maintain all equipment
- Handle Customer Calls and Schedule Service and Techs

1/1996 – 12/2008 | Fuel Tech, Inc. | Mims, FL

Field Service Project Manager

- Install fuel storage systems up to 20,000 gallons that flowed up to 600 Gallons per minute.
- Technical support and managing on site projects.
- Qualifications include but are not limited to the following:
  - Pumps: rebuilds to manufacture specifications, sizing pumps for specific use.
  - Valves: Rebuilt air, diaphragm and control valves.
  - Filters: Changed out aviation fuel product elements for vessels up to 600 GPM. Reconditioned filter vessels. Mechanical Seals: Replace mechanical seals in pumps up to 600 GPM.
  - Pipe Fitting / Welding: Pipe welding up to 6".

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Absolute Civil Engineering Solutions, LLC

Wayne Webb, P.E.

Vice President/Principal Engineer

Awarded **"2014 Engineer of the Year by the Broward County Building Officials Association"**, Mr. Wayne Webb currently serves as the Vice President and Principal Engineer of Absolute Civil Engineering Solutions, LLC. Since the inception of his career 31 years ago, Mr. Webb has spent the last decade successfully managing a variety of civil, geotechnical, environmental, and structural engineering and testing contracts within the State of Florida. His focus has been providing materials engineering construction and construction materials testing/inspection services for a wide range of projects such as schools, ports, hotels, office buildings, parking structures, large mixed-use developments, and transportation projects. He most recently served as the Private Provider responsible for the Building, Structural, Mechanical, Electrical, Plumbing Code Compliance Plan Review and Inspections for the Met II Hotel and Office Towers located in the City of Miami, which is the largest Private Provider project to date.

Mr. Webb's other relevant experience includes providing civil engineering, building envelope evaluations, infrastructure evaluations, roof testing and design, property condition assessments, forensic testing and evaluations, and engineering consulting services. In addition, Mr. Webb has performed a variety of environmental engineering services including environmental site assessments (Phase I and Phase II ESA's), contamination assessment reports, tank closure reports, remedial action plans, compliance audits and monitoring only plans (MOP). He is a recognized leader in the assessment of water-entry problems in both residential and commercial buildings. Mr. Webb has performed hundreds of inspections for both builders and homeowners to determine either if moisture entry has occurred or to what extent the moisture entry has affected the building. Specific recommendations are made based on these assessments for corrective action or remediation. He also performs framing-stage and pre-closing inspections of homes and high-rises for major builders as a way to prevent certain water-entry problems from occurring and consults with these builders for any applicable water-entry issues.

EDUCATION:

MPH research Studies, University of the West Indies, 1985-1988

B.S.C.E., University of the West Indies, 1984

CERTIFICATIONS / REGISTRATIONS:

- *Registered professional Engineer, State of Florida, 56701*

AFFILIATIONS:

- *Florida Engineering Society*
- *American Concrete Institute*
- *American Society of Civil Engineers*
- *Deep Foundation Institute*

REPRESENTATIVE PROJECT EXPERIENCE:

T-1655: JETBLUE ORLANDO SUPPORT CENTER EXPANSION (May – June 2019)
Temp Parking Facilities,
8265 Hangar Boulevard
Orlando International Airport, Orlando, Florida 32827

Project Engineer providing Third Party Inspection and Engineering Consulting Services on an T-1655 Jetblue Orlando Support Center Expansion project. Provided mandatory building code inspections in accordance with Florida Statute §553.791 in association with the local building department so as to reasonably assure compliance with the Florida Building Code.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

ACES

GOAA South Terminal Complex (December 2019 – January 2020)
Orlando International Airport

Project Engineer Providing Mohr's Hardness Testing Services on GOAA South Terminal Complex Phase II Parking Garage. The Parking Garage under construction experienced rain damage and as a result Engineering Consulting Services was performed to assess the extent of damage if any. ACES performed Mohr's Hardness Test (MHT) on a 10 X 10 grid in the damaged area, Mohr's Hardness Test (MHT) in undamaged areas, and provided Professional Engineering Report & Recommendations.

Miami International Airport (April 2021 - ongoing)
Miami, FL

Project Engineer providing Ground Penetration Radar (GPR) Testing Services on Level 5 of the existing Dolphin Parking Garage.

Pelican Aviation Training Center Avgas Fueling System Installation (January 2013)
North Perry Airport, Pembroke Pines, FL

Project Engineer providing Geotechnical Investigation and Construction Materials testing Services on the Pelican Aviation Training Center Avgas Fueling System Installation project.

4121 SW 47th Avenue, Suite 1319, Davie, FL 33314

Ability of Professional Personnel - Resumes

Absolute Civil Engineering Solutions, LLC

James Brunetti, P.E., S.I.

Threshold Engineer

Mr. James Brunetti currently serves as Threshold Engineerof Absolute Civil Engineering Consulting, LLC. Mr. Brunetti has 30 years of experience in Structural and Civil Engineering. He is a registered professional engineer in the states of New York, New Jersey, and Florida, and is a Certified Threshold Inspector. He has operated in various levels of engineering management, and has served as a project manager on many complex structural and civil engineering projects.

EDUCATION:

Bachelor of Science,
Civil Engineering
University of Virginia
Charlottesville, VA

Master of Science,
Structural Engineering
Columbia University
New York, NY

Professional Degree,
Engineering Mechanics
Columbia University
New York, NY

Mr. Brunetti's Civil & Structural Background includes:
Absolute Civil Engineering Solutions, LLC 2017-current
Technical Advisor, Engineering Division. Responsible for technical execution and project management of work related to Geotechnical Engineering, Construction Materials Testing, Special/Threshold Inspections, Building Code Compliance (Private Provider Services), Municipal Support, Building Envelope and Roofing Consulting, and Environmental Consulting Services throughout the Fort Lauderdale / Miami Metropolitan Statistical Area.

T-1655: Jetblue Orlando Support Center Expansion Orlando International Airport (May – June 2019)
Technical Advisor providing Third Party Inspection and Engineering Consulting Services on an T-1655 Jetblue Orlando Support Center Expansion project. Provided mandatory building code inspections in accordance with Florida Statute §553.791 in association with the local building department so as to reasonably assure compliance with the Florida Building Code.

GOAA South Terminal Complex. Orlando International Airport (December 2019 – January 2020)
Technical Advisor Providing Mohr's Hardness Testing Services on GOAA South Terminal Complex Phase II Parking Garage. The Parking Garage under construction experienced rain damage and as a result Engineering Consulting Services was performed to assess the extent of damage if any. ACES performed Mohr's Hardness Test (MHT) on a 10 X 10 grid in the damaged area, Mohr's Hardness Test (MHT) in undamaged areas, and provided Professional Engineering Report & Recommendations.

CERTIFICATIONS / REGISTRATIONS:

Registered Professional Engineer and Certified Threshold Inspector
State of Florida No. 41607

Registered Professional Engineer
State of New York No. 058255

Registered Professional Engineer
State of New Jersey No. 24GE02765000

Miami International Airport, Miami, FL (April 2021 - ongoing)
Technical Advisor providing Ground Penetration Radar (GPR) Testing Services on Level 5 of the existing Dolphin Parking Garage.

Thornton Tomasetti, Inc., New York, NY, September 2015 to December 2016
Vice President, Forensic Engineering Division. Responsible for project management of structural failure analysis, structural analysis and design projects, and structural failure remediation. This includes day to day management of and oversight of structural investigations, structural design projects and structural remediation projects for Owners, Construction Contractors, Insurance Companies and Legal Teams.

Nova Engineering and Environmental, Vice President, Fort Lauderdale Office, January 2013– August 2015
Vice President and Business Unit Manager. Responsible for technical execution and project management of work related to Geotechnical Engineering, Construction Materials Testing, Special/Threshold Inspections, Building Code Compliance (Private Provider Services), Municipal Support, Building Envelope and Roofing Consulting, and Environmental Consulting Services throughout the Fort Lauderdale / Miami Metropolitan Statistical Area. Provided Structural Design of various types of Structures. This includes day to day management and oversight of all business activities of the Fort Lauderdale Office to

4121 SW 47th Avenue, Suite 1319, Davie, FL 33314

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

ACES

ensure technical excellence, controlled risks and profitability. Also responsible for sales and marketing efforts to develop new business and growth for the company. Served as a member of Structural Safety Review Board, for the City of Miami Gardens.
Project Manager for **Ft Lauderdale International Airport American Airlines Terminal E Building Envelope Inspection and Repair Design project**. The project consisted of performing building stucco and roofing inspections and preparing a repair design, drawings and specifications.

Con Edison, New York, NY, Senior Project Engineer, February 2011 – January 2013
Responsible for managing the Natural Gas conversion of two Con Edison Power Plants in New York City, NY. The project included management of the engineering process, the schedule commitment, and overall budget of $130,000,000.

Hardesty & Hanover, Sunrise, FL, Director of Structural Inspection and Restoration Division, January 2008 – January 2011
Responsible for management of the Structural Design and Inspection Division for vertical and high-rise structures. Duties included managing inspection projects for high-rise structures and condominium complexes as well as providing structural repair and remediation design drawings and specifications. Also provided Structural Design of various Structures.

Hardesty & Hanover, New York City, NY, Director of Power Engineering, 2003 – 2008
Project Manager for the following major Hardesty & Hanover Projects:

- New York Power Authority: on-call contract for the Energy Services Division providing structural engineering services for Energy Efficiencies Design/Build projects.
- New York Power Authority: on call contract for the Civil Engineering Division providing civil/structural and geotechnical engineering services for all of the operating facilities.
- New York Power Authority: design and construction support for vehicle security barriers at various New York Power Authority facilities. Design complies with Nuclear Regulatory Commission requirements, NUREG CR-6190.
- New York Power Authority: electrical and structural design for the installation of a 138kv high voltage power cable connecting the 50 megawatt New York Power Authority Seymour gas Turbine Power Plant to the Con Edison Greenwood Substation in Brooklyn (The Seymour 13kv Interconnect Project).
- Con Edison Civil Engineering Group: structural engineering and inspection services for various projects which included bridge and tunnel inspections for all facilities, Local Law 11 façade inspection for the East River Station as well as steel and concrete inspection and repair designs for the 59th Street, the 74th Street, the East River, and Hudson Avenue stations.
- Con Edison: on-call contract for the Gas Engineering Division providing the design and layout of various Gas Engineering projects as well as Engineering Services.

New York Power Authority, White Plains, NY, Senior Project Manager, 1988 – 2003
Responsible for management of conventional power plant facility upgrades and overhauls as well as construction of new facilities. This work included managing the development of bid specifications and drawings, developing the budget, awarding the contract, and overall management of various projects through construction and certificate of occupancy as required. Also, responsible for turbine unit overhauls at a hydroelectric facility including interface with vendors and site staff. Projects ranged in value from $259,000 to $10,000,000.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DIANA C. CORREA

PROFESSIONAL ENGINEER | ATTORNEY

555 W. Prospect Rd.
Oakland Park, FL. 33309

954-776-8004

diana@biagiengineering.com

PROFESSIONAL SUMMARY

Professional Engineer with seven years of experience in structural evaluation, design, analysis, and inspection services within South Florida. Performed structural design calculations and analyses utilizing ASCE, ACI, IBC, ASTM, PCI, AASHTO, AISC, and FBC. Prepared existing condition evaluation reports, structural inspections, calculations, structural details and plans for public and private clients.

EDUCATION

Doctor of Jurisprudence – Nova Southeastern University, Davie, Fl. (2013-2016)

Bachelor of Science in Civil Engineering – Florida Atlantic University, Miami, Fl. (2008-2012)

LICENSES

- **Professional Engineer**: FL #86862

- **The Florida Bar**: FL #0127110

REFERENCES

Available upon request.

EXPERIENCE

2012 - Present

Principal Engineer • Co-Owner • Biagi & Associates Engineering

- Design, draft, and calculate loads for various structural elements in residential and commercial buildings, retaining walls, seawalls, docks, and fences utilizing the Florida Building Code and all applicable standards.
- Design of Multi-Story Custom Homes, Mid Rise Condominiums, Multi-Story hotels, Warehouses, and other Commercial Buildings.
- Foundations design for shallow and deep foundations
- Design of Roof and Floor Layouts, Support Beams/Columns, and connections.
- Performed Inspections pertaining to 40/50 Year Safety Building Re-certifications and special inspections.

SKILLS & KNOWLEDGE

- Understanding of basic Civil Engineering, Drainage, and Site Plan applications.
- Strong people skills, organizational, writing, and oral presentation skills
- Proficient in AutoCAD and structural engineering design software.
- Knowledgeable in construction and permitting process
- Ability to manage concurrent projects independently, work in a multi-disciplinary team environment, and meet strict deadlines
- Ability to explain and clearly communicate technical and analytical data and details in layman terms, both in English and Spanish.

AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- American Bar Association (ABA)
- The Construction Network (TCN)
- Construction Association of South Florida (CASF)
- American Institute of Architects Allied Member (Ft. Lauderdale)
- NAIOP Commercial Real Estate Development Association
- Florida Structural Engineers Association (FLSEA)
- Society of Women Engineers (SWE)

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DIANE G. MAROTTA

PROFESSIONAL ENGINEER

555 W. Prospect Rd.
Oakland Park, FL. 33309

954-776-8004

diane@biagiengineering.com

PROFESSIONAL SUMMARY

Professional Engineer with eight years of experience in structural engineering services within South Florida. My experience is derived from providing structural design, analysis, and calculations for various structural elements, such as: residential and commercial buildings, retaining walls, seawalls, fences, inspections, and evaluation reports utilizing ASCE, ACI, IBC, ASTM, PCI, AASHTO, AISC, and FBC.

EDUCATION

Master of Science in Engineering Management | Structural Track – Florida International University, Miami, Fl. (2014-2016)

Bachelor of Science in Civil Engineering – Florida International University, Miami, Fl. (2008-2012)

LICENSES

- **Professional Engineer**: FL #82591

- **EIT Certification**: FL #1100017442

REFERENCES

Available upon request.

EXPERIENCE

2012 - Present

Principal Engineer • Co-Owner • Biagi & Associates Engineering

- Design of Multi-Story Custom Homes, Mid Rise Condominiums, and Commercial Buildings.
- Design of Coastal Construction projects such as wood and concrete docks, seawalls, and break away walls.
- Foundations design using Pre-cast and Pre-stressed Concrete piles, Auger Cast pile, Helical piles, Timber piles, Pin Piles, Sheet pile walls, Shallow Foundations, Vibro-Replacement and Compaction.
- Design of Roof and Floor Systems with Cast-In-place, Hollow Core, Epicore, Aerial, Hambro, Wood Trusses, Bar Joists, and Pre-Stressed Double Tees.
- Performed Inspections pertaining to 40 Year Safety Building Certifications, Unit Masonry, Welded and Bolted Connections, Pre-Cast Concrete Units, Pile Driving, and Metal Frame Systems.

SKILLS & KNOWLEDGE

- Strong ability to work in a multi-disciplinary team environment.
- Proficient in AutoCAD and structural engineering design software.
- Knowledgeable in construction and permitting process
- Ability to manage concurrent projects independently and meet imposed deadlines
- Fluent in speaking and writing in English and Spanish
- Organizational and writing skills

AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Florida Structural Engineers Association (FLSEA)
- International Code Council (ICC)
- Society of Women Engineers (SWE)
- American Concrete Institute (ACI)
- American Institute of Steel Construction (AISC)
- American Wood Council (AWC)

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Jesus Mustafa, P.E.

SENIOR ENGINEER 2

PROFESSIONAL REGISTRATION:
PE Florida 43809 (1991).
P.Eng. Ontario, CANADA: 100171457.

EDUCATION AND CERTIFICATES:
Bachelor of Science, California State University, Long Beach (CSULB).
MSCE at CSULB (Drainage); UF/UCF (Structures) NHI Safety Inspection of In-Service Bridges (2019) OSHA Fall Protection Course (2019)
FDOT Advance Traffic Control certification
Bridge Inspection, Maintenance and Repair Pts I, II, III, and IV
FDOT PD&E Training; FDOT LRE training

YEARS OF EXPERIENCE: 32
BIO: Jesus has worked in highway and interstate design, PD&E, and planning projects since 1986. He has experience in project management, highways, and major and complex bridge projects, including PD&E studies on signature bridges, interchange modifications, large multi-level interstate projects, and depressed facilities and tunnels. His Districtwide experience includes serving as manager and EOR for numerous projects with FDOT, County, and with SFWMD Big Cypress Basin.

SPECIFIC EXPERIENCE:

Broward County Continuing Engineering Services for Transportation and GEC Projects Contract No.: RFP No. PNC2114364P1 (on going). BMA is providing Design Services for Four (4) School Zone Flasher Improvement project. Scope includes signalization, signing and marking plans, and utility coordination. Mr. Mustafa serves as Senior Engineer and EOR.

Broward County Project No. 2017-1-288 (Contract: T1368213BI) Bridge Strike Repairs on the bridge located at Sheridan Street (Bridge No. 860155) over Florida's Turnpike. Working for Broward County Highway and Bridge Maintenance Division performed bridge maintenance that included design of repairs to 24 precast AASHTO girder beams including strand replacements from bridge hits, expansion joint systems, and replacement of the pedestrian sidewalk fencing enclosures on both sides of the bridge with associated maintenance of traffic. Perform LRFR load rating. Mr. Mustafa served as Project Manager and EOR.

City of Dania Beach, Bridge No. 864031 located at NW 1st Street at C-10 Canal, for the Inspection, Scoping, and Repair Plans on the bridge. Dania Beach, FL. BMA provided Specialty Engineering responsible to prepare repair plans for work including material specifications, quantities, construction estimate, and provided cursory site inspection of the repairs. Mr. Mustafa served as Project Manager and EOR.

Broward County Design Services for Wiles Rd from University Drive to Riverside Drive, Broward County (R2113749P1). The purpose of the project is to widen the road from 4 lanes to 6 lanes. The proposed 6 lanes widening will transition to the existing 4 lanes at the beginning of the project, just west of University Drive. BMA was responsible for the design of walls, mast arms, and miscellaneous structures. Mr. Mustafa serves as Senior Structural Engineer.

Districtwide Plans Review and Support Services. FDOT District 6. The contract includes reviewing roadway and MOT plans, signing and marking plans, signalization plans, lighting plans in accordance with FDOT standards. Coordination required for the review of scoping reports, traffic study reports, safety study reports, PD&E reports, permit packages. Minor roadway and signal design for minor highway improvements, perform traffic studies and revisions to previous completed construction plans, and construction final acceptance inspections. The team completed 646 tasks within the 6-year contract. Mr. Mustafa served as Project Manager and lead engineer.

Districtwide Plans Review and On-site Services, FDOT District 4: Mr. Mustafa served as Project Manager, lead reviewer of plan reviews and support services contract for 143 task work orders. Reviews included roadway, drainage, temporary traffic control, signalization, signing and pavement markings, structure and bridge components, ITS, and Landscape Architecture construction documents and reports. Provided extensive in- house support and reviews for off-system LAP projects.

Districtwide Minor Structures Contract, FDOT District 4. Served as PM and Senior Structural Engineer for the design of various task-work-order projects that included:

- I-95 over S, Fork New River emergency repairs.
- I-595 WB Ramp to SR 84 WB (Weston) over drainage pond.
- US 27/SR 80, Belle Glade, special light pilaster supports integrated under sidewalk.
- I-95 / I-595 over N. New River Opaque Visual Barrier and Fence system.
- Sample Road Overpass at Florida's Turnpike

Districtwide Minor Design Contract, FDOT D4. Design and preparation construction contract plans, documents, and special provisions for minor projects RRR, Safety and other services that include 3D Modeling. Serving as Subconsultant, BMA provides structural design.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Jesus Mustafa, P.E.

SENIOR ENGINEER 2

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning, and Preliminary Engineering. Mr. Mustafa serves as Lead Engineer on this contract. Task work orders included SR 710/Beeline from SR 76 to Palm Beach County Line PD&E Study; SR 714/West Martin Highway Concept Study from Citrus Blvd. to SW Martin Downs Blvd Scrub Jay, Caracara, and gopher tortoises survey; and CR-510 from CR-512/85th St to 66th Ave pre-PD&E.

SR-820/Hollywood Blvd/Pines Blvd form SR-93/I- 75 to SR-5/US-1/Young Circle, [FPID: 431770-1] FDOT District 4. The main goal of this project study was to improve connectivity of SR 820/Pines Boulevard/Hollywood Boulevard through bicycle lanes, pedestrian paths, and traffic improvements. There are about 39 individual projects improvements along the segment of SR 820 identified by the District 4 Office of Modal Development in conjunction with the MPO, the City of Hollywood, the City of Pembroke Pines, and the City of Miramar. Mr. Mustafa served as PM and lead designer.

SR-820/Hollywood Blvd/Pines Blvd & Sr-823/Flamingo Rd. [FPID: 431770-2] FDOT District 4. 14 separate segmented Mobility improvements along a 17-mile corridor that included widening, shoulders, bicycle lanes, pedestrian paths, sidewalks, new drainage systems, turn lane extensions, and traffic improvements. Mr. Mustafa served as Project Manager and lead designer.

City of Hollywood Mobility Improvements at Various Locations [FPID: 431770-5] FDOT District 4. 13 separate segmented Mobility improvements on SR 820/Hollywood Blvd., Park Rd., 35th Ave., on 6.7-mile project length that included widening, shoulders, bicycle lanes, shared use lanes, intersection improvements, pedestrian paths, sidewalks, new drainage systems, turn lane extensions, and traffic improvements. Mr. Mustafa served as Project Manager and lead designer.

A1A/Peter P. Cobb Rehabilitation over ICWW, FDOT District 4. Bridge rehabilitation and scour countermeasure drainage revetment analysis for the final stage for a complex marine mattress system that extended more than 1000-ft. across the ICWW. Extensive agency coordination included: FDOT, US Army Corps of Engineers (USACE) and Section 408; South Florida Water Management (SFWMD); US Coast Guard (USCG); National Marine Fisheries Service (NMFS); US Fish and Wildlife Service (USFW). Prepared, submitted, and obtained permit approvals within 6 months. Mr. Mustafa served as Sr. Drainage, Permits and Structural Engineer.

SR 732 - Jensen Bch. Blvd. at SR 5/US 1-FPID # 432348-1-52-01, Martin County, FDOT District 4. BMA provided structures design on several Mast Arms with special foundations at the intersection of SR 732/Jensen Beach Blvd. and SR 5/U-1/Federal Highway in Martin County. Due to the soil design parameters, all the drill shaft foundations required a design modifying the Standard Plan Index.

SW 336/Davis Parkway from SR 997/Krome Avenue to US-1, Miami-Dade County. As Subconsultant, Mr. Mustafa was responsible for mast arm existing condition evaluation and design of eight mast arms and temporary strain (wood poles).

SR 70 Resurfacing, Restoration, and Rehabilitation (RRR), FDOT District 4. Rural and urban RRR 10-mile roadway project in St. Lucie County, Florida. Project begins just west of McCarty Road and ends west of I-95. Consisted of minor shoulder widening, signalization, milling and resurfacing. Mr. Mustafa was the Project Manager and EOR for variances; RRR design report; checking and QC of signing, pavement marking plans; maintenance of traffic, drainage and roadway plans and calculations.

SR 824/Pembroke Road RRR from E of I-95 to W of US 1 RRR, FDOT District 4. Milling and resurfacing, installation of pedestrian countdown signals, signing and pavement markings, ADA improvements, implement bicycle lanes, remove unused drop curb at various locations and sidewalk and replace them with roadway pavement and curb returns. As subconsultant to TRACE Mr. Mustafa provide support in structures, peer review of roadway plans, and QC.

I-595 Reversible Lanes Design-Build project, - Broward County, FL. FDOT District 4. The structural design effort consisted of final design and development of complete structural plans for Zones 1, 2, 3, 4 and 6 (total 3 miles) of this project's corridor. This is a Public/Private Partnership between ACS/Dragados and the Florida Department of Transportation that includes design-build, toll lanes, and an accelerated schedule. Peer review Concrete and steel bridges, retaining walls, and other structures as required. Prepare and check quantity calculations from plans. Perform shop drawing reviews. Ensure that project needs are met in a timely and effective manner.

DW Plans Review and Support Services. FDOT District 6. The contract includes all necessary engineering, research, and coordination required for reviewing scoping reports, traffic reports, PD&E reports, permit packages. Mr. Mustafa serves as Project Manager. He has managed over 660+ plans review assignments under this contract.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Rodolfo Hutchinson, P.E.

ENGINEER 2

PROFESSIONAL REGISTRATION
PE Florida No. 80581
PE Kansas No. 25769
PE North Carolina No. 036886
PE South Carolina No. 34377
PE Texas No. 128300.

EDUCATION:
B.S. Civil Engineering - Universidad Catolica Santa Maria La Antigua, Panama, Republic of Panama.

M.S. Structures and Foundations - University of Central Florida, Orlando

M.S. Mechanical Engineering - University of Central Florida, Orlando.

YEARS OF EXPERIENCE: 16

BIO:
Rodolfo is a Bridge Engineer with Sixteen years of experience in design, inspection, and construction of bridge and transportation projects with a specialized education in Structural Engineering and Computational Mechanics. Responsibilities include minor, major, and complex bridge projects and miscellaneous structures design. In addition, he has experience in bridge inspection, load rating, and construction engineering for bridges and highways.

SPECIFIC EXPERIENCE:

District-Wide Plans Review for FDOT D-4 (2020). Bridge engineer, involved in the plan review for the multi-span SR A1A Bascule Bridge over the Hillsboro River (Repairs, scour countermeasures and Bicycle retrofit details along the main 100' long movable span).

Signature Bridge, SR 836 (I-395) Miami Dade County (2020). Bridge Engineer responsible of plan development and rebar detailing for the post-tensioned substructures for this cable suspension bridge project. Bridge Design based on AASHTO LRFD.

West French Avenue Shared-Used Path, Orange City, Florida (2020). Bridge Engineer, responsibilities included the Quality Control of plans and calculations for a single span (110 feet long) pedestrian bridge with deck area of 1500 square feet. Superstructure consisted of FIB Beams supported by end bent caps on precast Concrete Piles. All elements designed using AASHTO LRFD.

US 41 (SR 45) from S. of Dunruss Creek to S. of Gulf park Drive. Collier County, District 1 (2020). EOR; tasks included Load Rating (LRFR) of Two Bridges along US 41 (6 span continuous NB and 7-span simply supported on SB), each bridge 195 ft. long with surface area of 11700 square feet. Both bridges composed of solid slabs with raised sidewalks, in addition Each bridge required handrail replacements and expansion joint repairs.

Bridge Replacement over Bass Slough Canal. Florida Turnpike (2020). Bridge engineer responsible for the preparation of the Bridge Development Report for two new bridges (each 70 ft. long), both single span simply supported (each bridge superstructure composed of FIB prestressed Beams with a deck area of 4200 square feet). End Bent caps supported on precast prestressed concrete Piles.

SR 429 Widening over Fullers Road and Apopka Road. Client: CFX. Project engineer, responsible for the plan development and analysis/design of the substructure and superstructure on both widenings, each widening consisting of two bridges (both superstructures are about 140 ft. long at Fuller Rd. and 125 ft. long at Apopka Rd.). Superstructures (at both widenings) consisting of FIB Beams (single span simply supported) on end bent caps supported by precast concrete piles.

UPRR Mainline Bridge at BUS 114; Denton County, TX. Bridge EOR, responsible for the plan preparation and analysis/design of the superstructure and substructure of a RR single span (89ft. long) steel bridge (Design based on AREMA). Superstructure consists of a steel TPG supported by Concrete caps and Drilled shafts. (2019).

I-75 (SR-93) at SR 780 (Fruitville Road) Interchange Improvements; Sarasota County, FL (2019). Bridge Engineer responsible for Final Design of two Prestressed Concrete Bridges with FIB 45 Beams. Each bridge with two spans (105 ft length each span) and continuous deck (surface deck area of 12915 square feet on each bridge). Superstructures supported on concrete end bent pile caps and columns on pile footings at interior bents.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Rodolfo Hutchinson, P.E.

ENGINEER 2

BMA Consulting Engineering
Transportation Infrastructure & Innovation

All structural components designed per AASHTO LRFD.

SR-739 (Metro Parkway) from Daniels Parkway to Winkler Avenue; Lee County, FL (2019). Project engineer responsible for the design/analysis and plan preparation of a solid slab bridge widening. The bridge consists of a continuous solid slab (3 spans) supported by bent caps on prestress concrete piles. The total slab length is 85 feet with a total widening area of 3000 square ft. Widening components designed according to AASHTO LRFD.

South Carolina DOT Bridge Load Ratings; Charleston County, South Carolina (2019). Responsible for load rating (AASHTO LRFR) different types of superstructures including movable bridge main spans (and approach spans), Prestressed beam superstructures and concrete (arched) beams using the BrR bridge rating program.

Heft (S.R. 821) Widening from NW 106th street to I- 75; Miami Dade County, FL (2018). Bridge engineer responsible for the preliminary analysis of two curved steel plate girder bridges (5 spans and 3 spans) using MDX software. The Final Design consisted of 2 curved bridges (4 span Bridge #5 and 7 span bridge #6 each with a total length of 360 feet and 650 feet respectively) with irregular geometry using FIB Type beams supported on concrete pile caps. Both Bridges have a continuous concrete deck (Surface area of 10800 square feet and 21500 square feet for bridges #5 and #6 respectively). Both Bridges designed per AASHTO LRFD.

CSX Bridge No. 482.80 replacement at MP S482.80 over Dasher Creek; Rincon, Georgia (2017). Bridge engineer responsible for the substructure analysis verification for a 3-span precast box Beam Bridge supported on reinforced concrete piles encased within steel pipes. All components analyzed per AREMA Manual.

World Drive Extension and Interchange at Vista Boulevard; Orlando, FL (2016). Bridge engineer responsible for the analysis and design of three multi-span span bridges: Word Drive Northbound over vista boulevard (280' long with 10600 square feet continuous deck area); Southbound over Vista Boulevard (238' long with 13000 square feet continuous deck area) and World Drive Southbound over Floridian Way (430' long with a continuous deck area of 23600 square feet); all 3 bridges use Florida-I Prestressed beams.

St. Mary's River Bridge; Nassau County, FL (2015). Bridge engineer performed hands-on inspection and field note development of fracture critical gusset plates on the steel through truss span with a polygonal top chord (202' long swing span). (2015).

CSX Main Line Trestle at M.P. SM 12.8; Crawford, FL (2015). Bridge engineer involved with the design calculation verification (design per AREMA) for the substructure (Abutments and Interior Bents) of a 4 Span Prestressed concrete beam bridge (Total bridge length of approximately 82').

I-95 Widening from north of SR 44 to north of US 92 Including the Reconstruction of the I-4/US 92 Systems Interchange, Volusia County, FL (2015). Bridge engineer responsible for the analysis and design of the superstructure and substructure for a 177 feet long single span bridge (SR 400 WB over Ramp H2) using FIB-78 prestressed beams. The superstructure required a curved deck with a constant super elevation due to the roadway horizontal alignment curvature. The substructure consisted of concrete caps supported by 24" square prestressed concrete piles.

Mt Gallant Road Improvements, City of Rock Hill and York County, SC. Bridge Engineer involved with the design and plan production for the 1.3 mile widening of Mt. Gallant Road (S-195) from an existing two-lane roadway to a three-lane urban roadway section that will include bicycle and pedestrian facilities. Bridge design included the 3 span 63 feet wide super elevated 110' flat slab bridge replacement over Manchester Creek.

New Bridge over the St. Lawrence; Montreal, Canada. Bridge engineer responsible for the preparation of complex bridge material quantity estimates for a 3,335 meter long, 46 span cable stayed bridge consisting of dual bridge decks carrying highway and pedestrian traffic with a third transit corridor deck in between. The bridge deck consisted of modular precast concrete deck panels with a post tensioned cast in place deck surface supported by steel plate box girders.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Ronald Spencer, P.E.

SENIOR ENGINEER 1

PROFESSIONAL REGISTRATION:
Professional Engineer Florida # 39141
Professional Engineer California # 49743

EDUCATION:
B.S., Civil Engineering, Clemson University, 1967

YEARS OF EXPERIENCE: 44

OFFICE: Pembroke Pines

BIO:
Mr. Spencer has been involved in the practice of civil engineering for more than 40 years. He is experienced in Project Management, General Engineering Consultant Project Management Activities, Consultant Plan Reviews, FDOT Design procedures, Utility Coordination. He is versed in the FDOT Design Manual, AASHTO Greenbook, Florida Greenbook, Design Standards, MUTCD, and TEM, FDOT's Long Range Estimates Program, also Post Design Construction Services. Provided Utility Coordination on State and County projects in accordance with Florida Statute 337.403.

PROJECT SPECIFIC EXPERIENCE:

Broward County Continuing Engineering Services for Transportation and GEC Projects Contract No.: RFP No. PNC2114364P1 (on going). BMA is providing Design Services for Four (4) School Zone Flasher Improvement project. Scope includes signalization, signing and marking plans, and utility coordination. Mr. Spencer serves as roadway EOR.

Broward County Project No. 2017-1-288 (Contract: T1368213BI) Bridge Strike Repairs on the bridge located at Sheridan Street (Bridge No. 860155) over Florida's Turnpike. Working for Broward County Highway and Bridge Maintenance Division performed bridge maintenance that included design of repairs to 24 precast AASHTO girder beams including strand replacements from bridge hits, expansion joint systems, and replacement of the pedestrian sidewalk fencing enclosures on both sides of the bridge with associated maintenance of traffic. Perform LRFR load rating. Mr. Spencer served as assistance PM.

Bridge No. 864031 located at NW 1st Street at C-10 Canal, for the Inspection, Scoping, and Repair Plans on the bridge. Dania Beach, FL (2018). BMA provided Specialty Engineering responsible to prepare repair plans for work including material specifications, quantities, construction estimate, and provided cursory site inspection of the repairs. Mr. Spencer performed QC. *Reference: Henry Louden, Bluewater Builders, Inc. (954) 753-7233*

Broward County Design Services for Wiles Rd from University Drive to Riverside Drive, Broward County (R2113749P1). The purpose of the project is to widen the road from 4 lanes to 6 lanes. The proposed 6 lanes widening will transition to the existing 4 lanes at the beginning of the project, just west of University Drive. BMA was responsible for the design of walls, mast arms, and miscellaneous structures. Mr. Spencer worked as QC Engineer and provided coordination support.

Districtwide Minor Design Contract, FDOT D4. Design and preparation construction contract plans, documents, and special provisions for minor projects RRR, Safety and other services that include 3D Modeling. Serving as Subconsultant, BMA provides structural design.

FM 230377-1-32-04, DW Plans Review, Florida Department of Transportation, District 4. Mr. Spencer served as Project Manager on this Districtwide Plans Review and Support Services Contract for 143 task work orders that included: Peer review of the design and preparation of plans for highways that included Major Highway Design and Controlled Access Highway Design. Task work orders covered reviews of plans prepared for cities, counties, through the Local Agency Program (LAP) and FDOT projects.

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning, and Preliminary Engineering. Mr. Spencer served as TTC and roadway engineer on this contract. Task work orders included SR 710/Beeline from SR 76 to Palm Beach County Line PD&E Study; SR 714/West Martin Highway Concept Study from Citrus Blvd. to SW Martin Downs Blvd Scrub Jay, Caracara, and gopher tortoises survey; and CR-510 from CR-512/85th St to 66th Ave pre-PD&E.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Ronald Spencer, P.E.

SENIOR ENGINEER 1

SR-820/Hollywood Blvd/Pines Blvd form SR-93/I-75 to SR-5/US-1/Young Circle, [FPID: 431770-1] FDOT District 4. The main goal of this project study was to improve connectivity of SR 820/Pines Boulevard/Hollywood Boulevard through bicycle lanes, pedestrian paths, and traffic improvements. There are about 39 individual projects improvements along the segment of SR 820 identified by the District 4 Office of Modal Development in conjunction with the MPO, the City of Hollywood, the City of Pembroke Pines, and the City of Miramar. Mr. Spencer served as EOR.

SR-820/Hollywood Blvd/Pines Blvd & Sr-823/Flamingo Rd. [FPID: 431770-2] FDOT District 4. 14 separate segmented Mobility improvements along a 17-mile corridor that included widening, shoulders, bicycle lanes, pedestrian paths, sidewalks, new drainage systems, turn lane extensions, and traffic improvements. Mr. Spencer served as EOR.

City of Hollywood Mobility Improvements at Various Locations [FPID: 431770-5] FDOT District 4. 13 separate segmented Mobility improvements on SR 820/Hollywood Blvd., Park Rd., 35th Ave., on 6.7-mile project length that included widening, shoulders, bicycle lanes, shared use lanes, intersection improvements, pedestrian paths, sidewalks, new drainage systems, turn lane extensions, and traffic improvements. Mr. Spencer served as EOR.

SR 824/Pembroke Road RRR from E of I-95 to W of US 1 RRR, FDOT District 4. Milling and resurfacing, installation of pedestrian countdown signals, signing and pavement markings, ADA improvements, implement bicycle lanes, remove unused drop curb at various locations and sidewalk and replace them with roadway pavement and curb returns. Mr. Spencer provided support in peer review of roadway plans, and QC.

SR 70 (at Florida's Turnpike) Milling and Resurfacing. FDOT District 4. The SR 70 RRR project located in St. Lucie County is a 3-mile-long section of highway. The portion from east of 10 Mile Creek (West of McCarty Rd) is 4-lane divided rural section ending at Gordy Road. From Gordy Road to the East Edge of the Turnpike Bridge is an urban 4-lane divided roadway. The scope of work includes milling and resurfacing the existing pavement, MOT plans, signing and pavement markings, utility coordination, pavement design and implementing required minor safety improvements in accordance with District IV's current Policy. Mr. Spencer served as lead Engineer.

Eller Drive, Ft. Lauderdale, Florida. Florida Department of Transportation – District 4. This ICTF project consists of elevated express lanes from Interstate 595 to Port Everglades. Mr. Spencer serves as lead in the design and preparation of plans, responsible area of work consisted of all surface streets affected by new elevated express lanes. Surface street work includes widening, new construction, and resurfacing. Additional work areas included MOT, Railroad coordination and accommodation of airport and seaport traffic on surface streets with 13 Utility Agency Owners.

Florida Department of Transportation, District 4. Mr. Spencer Provided In-house Project Management services to FDOT District IV for Consultant Management. During the eight and one-half month duration of this assignment, Mr. Spencer became very sensitive to the needs of the Department, and the Department's expectation of the Consultant Community.

Florida Turnpike – General Consultant Program Management Activities. Mr. Spencer provided Consultant Plans Review, Typical Section Package Review, Design Variation / Exception Package Review, and Preparation of Independent Staff hour estimates. Performed over one hundred consultant plan reviews.

SR 932/NW 103 Street/W 49 Street from SR 826/Palmetto Expressway Interchange to West 12 Avenue, Miami-Dade County. FDOT District 6. The project includes Repaving and restriping the roadway, modifying existing medians, improving turning lanes, modifying existing driveway access, installing high emphasis crosswalks, Improving traffic signals, Upgrading pedestrian and traffic signage. Mr. Spencer serves as EOR.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Louis G. Reis, P.E.

SENIOR ENGINEER 1

PROFESSIONAL REGISTRATION:
PE Florida 40215

EDUCATION:
Bachelor of Science in Civil Engineering, Louisiana Tech University, Ruston, Louisiana, 1983

YEARS OF EXPERIENCE: 38

OFFICE: Ocoee

BIO:
Mr. Reis has been involved in the practice of civil engineering for more than 38 years that includes serving as the **Florida's Turnpike Enterprise Design Engineer** and in FDOT Central Office as **Project Management Engineer** and **Project Development and Environmental Engineer**. Mr. Reis also served for seven years in FDOT District 5. Mr. Reis brings a wealth of experience on the Department's procedures and processes. He is experienced in Project Management, Quality Assurance, signalization, preparing IMR/IJR documents, and Project Development and Environmental Engineering (PD&E). He has worked on over twenty significant projects in his career including more than 9 Interstate projects.

PROJECT SPECIFIC EXPERIENCE:

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning (Corridor Location), Preliminary Engineering (Feasibility Studies, Conceptual Design and PD&E), Environmental Studies, implementation of Efficient Transportation Decision Making (ETDM), Sociocultural Effects Studies, traffic, and transit studies. Task work orders included SR 710/Beeline from SR 76 to Palm Beach County Line PD&E Study; SR 714/West Martin Highway Concept Study from Citrus Blvd. to SW Martin Downs Blvd Scrub Jay, Caracara, and gopher tortoises survey; and CR-510 from CR-512/85th St to 66th Ave pre-PD&E. Louis serves as Lead Engineer.

General Engineering Consultant Services, FDOT, District 5. BMA serves as Subconsultant to Ghyabi. The GEC contract supports the Work Program for District 5 and the operation, maintenance and construction of the state highway system with a focus on Transportation Development and Transportation Operations, including planning, PD&E, design, surveying, construction, traffic operations and maintenance. Projects assigned to BMA include Indian River Lagoon National Scenic Byway – US 1 Signing Plan Update, Scenic Sumter Heritage Byway – Rutland Park Kiosk PD&E, Heritage Crossroads Scenic Highway – Bunnell Pocket Park PD&E. Mr. Reis serves as Senior Engineer responsible of the task work orders.

DW Plans Review and Support Services, FDOT District 6.
The contract includes all necessary engineering, research, and coordination required for reviewing scoping reports, IJR/IMR documents, traffic reports, PD&E reports, and permit packages. Louis serves as Chief Engineer for the review of PD&E Reports.

SR 916/ NW/NE 135th Street from NW 6th Avenue to West of US-1/ SR-5/Biscayne Boulevard, FDOT, District 6. This two-part project consists of Resurfacing, Rehabilitation, and Restoration SR 916/NW/NE 135th Street from NW 6th Avenue to west of US-1/SR-5/Biscayne Blvd. and Safety Improvement to the intersections of SR 909/West Dixie Highway at SR 916 and at SR 915/Memorial Hwy. and SR 916. Mr. Reis serves as Quality Assurance Engineer.

Florida's Turnpike Enterprise (FTE), Turnpike Program Management Engineer. *Reference: Michael Shannon, PE., Turnpike Production Engineer, (407) 532-3999*
Manage and supervise the Program Management Office of the Turnpike Enterprise. This included budgeting, supervision, oversight, and strategic planning.

FTE, Turnpike Design Engineer.
Manage and supervise the Project Management and Design Office of the Turnpike Enterprise. This included budgeting, supervision, design oversight, and strategic planning. The following are specific responsibilities for this position:

- Managed the Production's General Engineering Consultant Contract
- Technical Review Committee for all design consultant acquisitions.
- Approver for Design-Build Alternative Technical Concepts

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Louis G. Reis, P.E.

SENIOR ENGINEER 1

BMA Consulting Engineering
Transportation Infrastructure & Innovation

- Review and approve all Design Variations, and Exceptions
- Review and approve Typical Sections, and Pavement Designs

Central Office Project Management, State Project Management Engineer.

Statewide Processes

- Development of the Project Management Handbook, Second Edition
- Coordinated Statewide Scheduling Assessment
- Moderator for the Project Development & Environment Standard Scope and Staff Hour Estimates
- Participate in Statewide Process Review for Errors and Omissions Procedure
- Accelerated Project Delivery

Central Office Environmental Management. State Project Development Engineer & State Contamination Coordinator. *Reference: Robert Quigley, P.E., State Project Management Eng. (Robert.Quigley@dot.state.fl.us), 850-414-4356.*

- Author of Part 1, Chapters 9 and 11, and Part 2, Chapters 4, 5, 6, 22, and 24 of the Project Development and Environmental Manual
- Author of Chapter 16 of the Project Managers Handbook
- Author of Chapter 6 of the Efficient Transportation Decision Making Guidelines
- Developed Statewide Standard Scope of Services, and Staff Hour Estimates for Project Development and Environment

Miscellaneous Project Management

- Gopher, Frog and Alligator Rail Trail, Franklin, Wakulla and Leon Counties, Florida. Project included the documentation of the Project Development and Environment study for the conversion of an abandoned railroad corridor into a multi-use trail through the Apalachicola National Forrest.
- Blackwater Heritage Trail, Santa Rosa County. Enhancement Project with DEP for the design and construction of a multiuse trail, and trailhead facilities.
- Cross Florida Greenway Withlacoochee River Crossings, Citrus County. Enhancement Project with DEP for the design of a multi-use trail bridges over the Withlacoochee River.
- Cross Florida Greenway Crossings, Marion and Citrus Counties, Florida. Project included the analysis and documentation associated with the concepts for the Cross Florida Greenway Multi-use trail crossings at six roadways and one river.
- Development of wildlife barriers at, US Highway 441 at Pains Prairie, Alachua County, Florida, and SR A1A Bridge over Sebastian Inlet, Brevard County, Florida

FDOT District 5, Project Development and Environment, Project Manager.

Responsibilities on the following projects included the development of concepts, evaluation of traffic and environmental impacts, coordination with Federal Highway Administration and local governments, prepare and conduct public hearings:

- Beach Line Expressway Interchange at SR 436, Orlando, Florida
- I-95 Interchange at SR 514, Brevard County, Florida
- I-95 Interchange at SR 528, Brevard County, Florida
- I-95 Interchange at Port St. John, Brevard County, Florida
- I-4 Interchange at CR 46A, Seminole County, Florida
- Pineda Expressway from US Highway 1, to I-95, Brevard County, Florida
- SR 3 Bridge over Canaveral Barge Canal, Brevard County, Florida

Development of concepts, traffic projections and evaluations, development of FHWA Interchange Modification or Justification:

- I-95 Interchange at Port St. John, Brevard County, Florida
- I-4 Interchange at CR 46A, Seminole County, Florida
- I-95 Interchange at Pineda Expressway, Brevard County, Florida
- Beach Line Expressway Interchange at SR 436, Orlando, Florida
- I-95 Additional Lanes, from Indian River County to St. Johns County

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Millie Radzikhovsky

SENIOR ENVIRONMENTAL SCIENTIST

EDUCATION:
B.S. Biology, University of Maryland, 1981

YEARS OF EXPERIENCE: 33

CERTIFICATIONS:
NPDES Wastewater / Stormwater Management Inspector

BIO:
Ms. Radzikhovsky has 33 years of experience in Project Development and Environmental Studies (PD&E). Ms. Radzikhovsky expertise includes all forms of environmental services and National Environmental Protection Act (NEPA) documentation relating to the impacts of transportation and restoration projects on the natural, physical, and social environment. In addition to mitigation services, her expertise includes environmental support services such as preparation of environmental documents, conducting wetland delineations and species surveys, Permit applications, Erosion Control Studies and plans reviews.

PROJECT EXPERIENCE:

PD&E Widening Turnpike Mainline (SR 821) from US 1 South of Palm Drive to Campbell Drive in Miami-Dade County. Evaluating alternatives for the widening of the SR 821 from US 1 (MP 0) to Campbell Drive (coinciding with the southern limits of the completed HEFT Widening PD&E Study from Campbell Drive (SW 312th Street) to US 1, FPID 423372-1). The project is approximately 3 miles. Millie serves as Senior Scientist in charge of Environmental Assessments and Reports, wetland delineations, and agency coordination.

DW PD&E and Support Services (current contract, a subconsultant to Osiris) FDOT District 4, Millie serves an in-house Sr. Environmental Scientist providing plans review support, preparation of Type 1 CEs and re-evaluations for approval into SWEPT.

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning (Corridor Location), Preliminary Engineering (Feasibility Studies, Conceptual Design and PD&E), Environmental Studies, implementation of Efficient Transportation Decision Making (ETDM), Sociocultural Effects Studies, traffic, and transit studies. Millie serves as Senior Scientist and provides In-House services for this contract. Millie conducted more than 160 environmental and permitting contract reviews. Work also included the following PD&E projects:

- I-95 and Glades Road, Diverging Diamond Interchange (DDI) re-evaluation PD&E,
- Northbridge re-evaluation PD&E,
- SR 714/West Martin PER for PD&E,
- CR-510 from CR-512/85th St to 66th Ave PD&E,
- SR 710/Beeline from SR 76 to Palm Beach and Martin County Line PD&E.

FPID 413265-1 SR-9/I-95 at PGA Boulevard/Central Boulevard PD&E Study. Environmental Liaison. Type 2 Categorical Exclusion – Construction of a new interchange at I-95 and Central Boulevard in Palm Beach County. Responsibilities included review of environmental documentation such as the Type 2 CE, Sociocultural Evaluation Report, Endangered Species Biological Assessment, Wetland Evaluation Report, Noise Study Report, Air Quality Technical Memorandum and Cultural Resources Assessment Survey.

FPID 427938-1-52-01 SR-7/US-441 from Broward/PB Co/Line to South of SR-808/Glades Road. Type 1 Categorical Exclusion, Environmental Liaison for the proposed project. The proposed improvements included milling and resurfacing, restriping to create buffered bicycle lanes, sidewalk widening improvements, addition of new sidewalk (mostly for the east side of the road), addition of two turn lanes, and re-grading the existing roadside dry detention swales. Responsibilities included field review of the project, preparation of Environmental ID Features Memorandum, Environmental Impact Checklist and Environmental Certification, conducting Environmental Activity Coordination Meeting, and review/comment on Constructability and Biddability Plans.

FPID # 435803-1-22-01 SR-9/I-95 at Northlake Boulevard Interchange PD&E Study. Type 2 Categorical Exclusion – This interchange project proposes to improve interchange operations to address traffic spillback onto the SR-9/I-95, reduce

Millie Radzikhovsky

SENIOR ENVIRONMENTAL SCIENTIST

BMA Consulting Engineering
Transportation Infrastructure & Innovation

congestion, and increase safety. Responsibilities include review of environmental documentation such as the Purpose and Need, Preliminary Engineering Report, Type 2 CE, Sociocultural Evaluation Report, Endangered Species Biological Assessment, Wetland Evaluation Report, Noise Study Report, Air Quality Technical Memorandum and Cultural Resources Assessment Survey.

SR A1A Peter P. Cobb Memorial Bridge over Indian River, St. Lucie County Bridge Rehabilitation from MP 17.127 to MP 17.713. FDOT District 4. The scope of services includes Performing the Drainage Analysis Final design for a Marine Mattress countermeasure and modify the recommendations to fit the site conditions as per recommended in the Bridge Priority and Phase 4 Countermeasures Scour Evaluation for Bridges with Unknown Foundations Report; Agencies coordination, prepare and submit all permits applications. Millie served as Senior Scientist.

SR 5/ US 1 from SW 37th Avenue to Ponce DeLeon Blvd. FDOT District 6.
The project consists of roadway reconstruction and safety improvements of an urban roadway including mainline realignment, drainage improvements, signalization improvements, installation of lighting poles, noise study report and construction of a sound barrier wall along the east side of SR 5/US 1 north of Brooker Street (from approximately Station 361+20 to Station 362+60). Millie provided noise study, environmental review and permitting services.

Biscayne Trail – Segment C, Miami-Dade County Park and Recreation Department, Florida.
Responsible for obtaining regulatory permits from USACE, SFWMD, and Miami-Dade County's Permitting, Environment and Regulatory Affairs (PERA) Department. Responsibilities for this project include management of environmental staff in determining limits of wetland impacts along the project corridor to be depicted in the design plans, coordination with regulatory personnel, and preparation of environmental permits needed for this project. The design of the trail consists of a non-motorized 10-foot wide paved shared-use path (multi-use trail) on an existing berm and an equestrian trail parallel to the path between the multi-use trail and the canal. The proposed Equestrian Trail Head begins next to the existing structure located at the intersection of SW 248th St. (Coconut Palm Dr.) and L-31E Canal and ends at the intersection of L-31E Canal and North Canal, near Biscayne National Park/Homestead Bayfront Park and Marina.

SR 916/ NW/NE 135th Street from NW 6th Avenue to West of Us-1/ SR-5/Biscayne Boulevard, FDOT, District 6 (2013-2016).
This two-part project consists of Resurfacing, Rehabilitation, and Restoration SR 916/NW/NE 135th Street from NW 6th Avenue to west of US-1/SR-5/Biscayne Blvd. and Safety Improvement to the intersections of SR 909/West Dixie Highway at SR 916 and at SR 915/Memorial Hwy. and SR 916. Responsible for the permitting application package on the Bridge Rehabilitation over the C-8 Canal and several walls in the Seaboard Acres Canal along the project corridor.

U.S. 1 Lateral Ditch Restoration, FDOT District 4, Indian River County, Florida. Millie provided overall management of the permitting activities for 12 lateral ditches. Millie served as Senior Environmental Scientist and provided permitting support for the project. Responsibilities include preparation and review of the USACE's Dredge and Fill Permit and ERP.

Districtwide Environmental Data and Report Consultant, FDOT District 6, Miami-Dade and Monroe Counties, Florida.
As Project Manager, Millie provided overall project management for the following services: preparation of various project re-evaluations; class of action determinations and environmental analysis for scoping projects, environmental impact reviews for road and bridge design plans; and class of action determinations and environmental impact reviews for American Recovery and Reinvestment Act (ARRA) Local Agency Program (LAP) projects.

Districtwide Mitigation Maintenance and Monitoring Consultant, FDOT District 6, Miami-Dade and Monroe Counties, Florida
Environmental Project Manager: Provided overall management of the preparation of mitigation design plans, construction monitoring, and maintenance services for FDOT mitigation projects throughout Miami-Dade and Monroe counties.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Edmundo M. Zevallos

CHIEF DESIGNER

EDUCATION:
MBA, American Inter-Continental University, Florida. 2010.
BS in Civil Engineering, Catholic University of Guayaquil, Ecuador, 1993

YEARS OF EXPERIENCE: 20

BIO:
Mr. Zevallos has twenty years of experience as a Bridge Designer. His experience includes miscellaneous structure design, geometry, layout of retaining walls, concrete bridge structures, and complete detailing of Category 2 steel bridges. He has served as Structural Department CADD Manager responsible for overall production. Mr. Zevallos has hands-on experience with design, plans production, utilities, and processes required to maximize quality and efficiency. Other tasks include monitoring workflow, familiarity with current bridge design codes, assist EOR with utility coordination, proposals and pursuits, and projects that include conventional design, Districtwide Task Work Order Contracts, and Design-Build.

PROJECT SPECIFIC EXPERIENCE:

Bridge No. 864031 located at NW 1st Street at C-10 Canal, for the Inspection, Scoping, and Repair Plans on the bridge. Dania Beach, FL (2018). BMA provided Specialty Engineering responsible to prepare repair plans for work including material specifications, quantities, construction estimate, and provided cursory site inspection of the repairs. Edmundo worked as Senior Designer.

A1A/Peter P. Cobb Rehabilitation over ICWW, FDOT District 4. Bridge rehabilitation and scour countermeasure drainage revetment analysis for the final stage for a complex marine mattress system that extended more than 1000-ft. across the ICWW. Extensive agency coordination included: FDOT, US Army Corps of Engineers (USACE) and Section 408; South Florida Water Management (SFWMD); US Coast Guard (USCG); National Marine Fisheries Service (NMFS); US Fish and Wildlife Service (USFW). Prepared, submitted and obtained permit approvals within 6 months.

I-95/PBIA Interchange Bridge Joint Replacement, Palm Beach County FL, FDOT District 4. This three level directional interchange (total 1.789 miles) connects I-95 with the Palm Beach International Airport. It has fourteen bridges totaling 14,238 linear ft. In this project the scope was to remove and replace existing expansion joints on 8 concrete box girders bridges located at the Palm Beach Airport interchange. Responsible for handling the civil/structural set of plans of projects consisting of conceptual design, front end engineering (FEED) packages, detailed design and construction interface. Edmundo was responsible for the preparation of design drawings and material takeoff (MTO) reports for project.

I-95 and Spanish River Boulevard Interchange Improvements, Palm Beach County, FL. FDOT District 4. Provided design, construction assistance, shop drawings review and performed the load rating (LRFR) (total 4.1 miles) of 14 bridges. Edmundo designed and developed plans and drawings, which included the development of preliminary layout and/or final drawings. Participated in quality control checks, maintaining quality standards in all work produced, checking computations, and/or reviewing designs and drawings performed by others.

SR 5/US 1 Replacement of Four Low Level Bridges in Jupiter, FL, Palm Beach County FDOT District 4). This Design-Build project was comprised of the replacement of four low level bridges (total 0.607 miles) over the OFW (over the Outstanding Florida Water Body). This project required extensive coordination with utility companies, permitting agencies, contractor, CE&I as well as local municipalities. Edmundo follow design guidelines, standards, and procedures to effectively execute assigned work; created original designs, and worked with other designers and engineers; prepared, reviewed, and checked drawings and submittals; prepared and adhered to assigned budgets and schedules, integrated team efforts, reviewed work, set priorities, identified and resolved issues in a timely manner and communicated status to lead engineers.

I-595 Reversible Lanes Design-Build project, Broward County, FL, FDOT District 4. The structural design effort consisted of final design and development of complete structural plans for Zones 1, 2, 3, 4 and 6 (total 3 miles) of this project corridor. This was a Public/Private Partnership between

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Edmundo M. Zevallos

CHIEF DESIGNER

BMA Consulting Engineering
Transportation Infrastructure & Innovation

ACS/Dragados and the Florida Department of Transportation that included design-build, toll lanes, and an accelerated schedule. Create, maintain and edit design drawings and construction plans for this transportation project. (Concrete and steel bridges, retaining walls, and other structures) as required. Prepared and checked quantity calculations from plans. Performed shop drawing reviews. Ensured that project needs were met in a timely and effective manner.

SR-9/I 95 Design-Build Bridge over Box Culvert South of 45th Street, Palm Beach County, FL. FDOT District 4. This design-Build project with Hubbard Construction Company (total 1600 ft 0.303 miles) involved the construction of new 60-foot single span bridge over an existing quadruple box culvert, and the associated highway, drainage, S&M and MOT design and plans preparation. Development of plans and sections for roadway and structural drawings. Reviews and resolves 3D model interferences/clashes.

SR 5/US 1 from SW 37 Avenue to Ponce DeLeon Blvd. FDOT District 6. Safety improvements that includes realignment and reconstruction of an urban roadway of 0.5 miles. Edmundo prepared all the structural components sets and miscellaneous design for the project. The structural Category 2 re-habilitation of the Aesthetic Level 3 Pedestrian Overpass increased in length by 20%. Edmundo served as Senior Structural Designer.

Fishing Pier Project, City of Sunny Isles, FL (2009–2010). This project involved producing bridge production plans, superstructure and substructure reinforcement details and quantities of reinforcement (total 602 ft). Responsible for primarily site/civil Plans design. Responsibilities included providing Plans design, development and management on civil engineering structures. Reported to the Senior Structural Designer working closely with project managers, project engineers, designers.

Pedestrian North Bay Bridge Project, City of Sunny Isles, FL (2008–2009) This project involved producing bridge production plans, superstructure and substructure reinforcement details and quantities of reinforcement. Edmundo handled the structural plans preparation for the project (total 400 ft). Responsibilities include Prepares project plan and detail sheets, makes accurate revisions to plans based on mark-ups, perform quantity take-offs, and Assist with backup of files as needed.

SR 916/ NW/NE 135th Street from NW 6th Avenue to West of US-1/ SR-5/Biscayne Boulevard, FDOT, District 6. This two-part project consist of Resurfacing, Rehabilitation, and Restoration of SR 916/NW/NE 135th Street from NW 6th Avenue to west of US-1/SR-5/Biscayne Blvd. [FPID: 429346-1-32-01] and Safety Improvement to the intersections of SR 909/West Dixie Highway at SR 916 and SR 915/Memorial Hwy. at SR 916. Edmundo performed structures design of the SR 916 bridge over Biscayne Canal (C-8), Mast Arm designs, and Retaining Wall designs.

SR 5/ US 1 at Riviera Drive, FDOT District 6, FM # 433455-2. The project included safety improvements and reconstruction of 0.2 mile intersection. Edmundo serves as Senior Structural Designer

SR 694/Gandy Boulevard Design Build; Pinellas County, Client: FDOT District 7, length: 1.8 Miles. Project included the design and reconstruction of SR 694/Gandy Boulevard from west of Martin Luther King Jr. Street N. (9th Street N.) (MLK St. N.) to east of SR 687 (4th Street N.) in Pinellas County. Widening from 4 to 6-lane controlled access facility, including grade-separated interchanges, frontage roads and other work, as well as the replacement of the existing box culvert on 4th Street N. at Tinney Creek.

SR 934/Hialeah Expressway, Miami-Dade County, FL. FDOT District 6 (2003–2006). Provided design, construction assistance, shop drawings review and performed the load rating (LRFR) (total 2 miles) of the bridges. Designed and developed plans and drawings, which may include the development of preliminary layout and/or final drawings. Participated in quality control checks, maintaining quality standards in all work produced, checking computations, and/or reviewing designs and drawings performed by others.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Gloria Lopez

DESIGNER AND SCIENTIST

BMA Consulting Engineering
Transportation Infrastructure & Innovation

EDUCATION:
Masters Business Administration; Florida Atlantic University, Boca Raton, FL, 2004
Bachelor of Science Environmental; Florida International Univ., Miami, FL, 1994

YEARS OF EXPERIENCE: 25

CERTIFICATIONS:
NPDES Wastewater / Stormwater Management Inspector # 12763
Certified Diver – 0609093005
EPA Water Quality Criteria: Key Concepts Certification
FDACS Worker Protection Standard Trainer Certification
Southern Region Pesticide Safety Train-the-Trainer
State of Florida Awards Advisory Committee Certificate of Commendation
FEAA Phase I & II Environmental Assessment Training
FMNP Habitat Evaluation Certificate
Green, CE Indoor Air Quality and Healing Environments Certification
SEBA/Project Management Institute certificate

BIO:
Gloria has a unique background with over 25 years of experience in environmental and engineering organizations performing training, design and planning, environmental impact statements, FONSI, phase I audits and writing technical reports. She is a professional with well-developed planning, data analysis, and research skills, with the abilities to maintain a clear focus on achieving results. Areas of expertise are in Strategic Planning, Research and NEPA Documentation, Civil engineering technology, Business Administration, Permitting, pollution prevention, clean water act, storm water, RCRA, environmental compliance, and environmental assessments. She is versed with FDOT Specifications, FDOT design Manual (FDM), the Florida "Greenbook" design manual, MUTCD, FDOT Traffic Engineering Manual (TEM), FDOT Standards, and Pavement Standards.

SPECIFIC EXPERIENCE:

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning (Corridor Location), Preliminary Engineering (Feasibility Studies, Conceptual Design and PD&E), Environmental Studies, implementation of Efficient Transportation Decision Making (ETDM), Sociocultural Effects Studies, traffic, and transit studies. Gloria served as Designer and Scientist.

SR 916/ NW/NE 135th Street from NW 6th Avenue to West of US-1/ SR-5/Biscayne Boulevard, FDOT, District 6. Services included roadway, signalization lighting, signing and pavement markings, drainage, minor widening, bridge rehabilitation, permanent sheet pile wall, mast arms, R/W takes, utility coordination, permits, variances and exceptions. *Services are provided on separate projects in the corridor since 2012*:

1- Resurfacing, Rehabilitation, and Restoration (RRR) 3-miles of SR 916 that included bridge rehabilitation over the C-9 Canal, 132 sidewalk curb ramp reconstructions, and drainage. FPID: 429346-1-52-01.
2 - Safety improvement to the intersections of SR 909/West Dixie Highway at SR 916 and SR 915/Memorial Hwy. at SR 916. FPID: 429346-2-52-01, built.
3 - Lighting recommendations (Safety) and contract plans at the SR-916 and SR-915/ NE 6 Avenue. FPID: 431635-1-52-02, built.
4 - SR 916/NE 135 Street from E NE 2nd Court to W NE 4th Avenue, canal bank stabilization, wall, and barrier. FPID: 429346-3-62-02, built.
5 - SR 916/NW/NE 135th St. from NW 6th Ave.to W US-1, Complete Streets Improvement that include raised landscape median, construction of a 36" WM along the corridor and utility reviews. FPID: 429346-1-58-01, in construction.
7– SR 916 3-miles of Landscaping Sleeves connecting raised median, including permits. FPID ID: 429346-4-52-01 to be let in 2022.
8- SR 916/NE 135 Street at NE 12th Avenue, Safety improvements, FPID: 439923-1-52-01, to be let in 2023.

Gloria was responsible for the permitting application package, plans development, and assisted with utilities.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Gloria Lopez

DESIGNER AND SCIENTIST

BMA Consulting Engineering
Transportation Infrastructure & Innovation

State of Florida – FDOT District IV, Environmental Specialist and Construction Coordinator. Served as Senior Scientist and managed all professional and technical work with environmental program development, management and control of hazardous material, underground and aboveground petroleum tanks, and asbestos handling disposal. Gloria oversaw coordination and supervision of environmental projects working closely with various Environmental Staff and consultants on ERP permitting, remediation and mitigation tasks. Applied knowledge of local, state, and federal environmental laws and regulations including knowledge of hazardous, industrial, and solid waste handling and treatment processes, air and water pollution control technology, underground petroleum storage tank controls and emergency response activities, such as RCRA, CERCLA, TSCA and OSHA regulations.

Comprehensive Everglades Restoration Plan (CERP), South Florida Water Management District (SFWMD), West Palm Beach, FL. Senior Planner (2006-2007). Senior level decision-making skills, responsible for Acceler8, Everglades restoration support for project implementation. Assisting in the project administration and contract review and invoicing, coordination of intra/inter-agency Section 106 cultural resource issues and investigations, managing cultural resource contracts, geotechnical/remediation coordination and management of water management projects, assisting in technical research for endangered species, technical writing, development, review and input on state and federal reports, and development of reports in order to fulfill NEPA requirements needed for Corps of Engineers' 404 Permits. Work included knowledge of the South Florida ecology, hydrology, soils, and water quality; knowledge of the Central and Southern Flood Control Project and the Comprehensive Everglades Restoration Plan (CERP).

State of Florida – FDACS/Dept. of Agriculture & Cons Serv. Gainesville, FL. Environmental Specialist III/State's Worker Protection Coordinator. Work involved supervision of administrative staff, SWEEPS program, public outreach and involvement, and creation of educational programs for the Bureau of Compliance Monitoring pesticide programs. Responsible for providing advice on the interpretation and implementation of technical policy directives and programs, preliminary review, screening and processing of incoming Worker Protection Standard (WPS), Florida Agricultural Worker Safety Act (FAWSA), and the Florida Pesticide Safety Education Program (PESP) inquiries and requests; developed outreach education and training materials for Department's WPS needs; conducted training sessions and provided regulatory expertise on Pesticide related issues.

Stanley Consultants, West Palm Beach, FL. Environmental Analyst/Specialist.
Tasks included project coordination, permit processing, technical report writing of water management documents such as on-site evaluations, environmental assessments, and feasibility studies, which included areas within the Comprehensive Everglades Restoration Program within South Florida. These areas included studies at the Hillsboro Canal, Caloosahatchee River, Everglades Agriculture Area, Biscayne Restoration and Lake Okeechobee. Responsibilities integrated a wide variety of skills which included ecosystem restoration planning, decision making, coordinating, scoping, directing, reporting, delegating, communicating, and maintaining good client relations, including cooperation with governmental agencies and clients in a variety of projects involving restoration, water resources, ground water and surface water studies. Tasks also included project implementation reports and environmental assessments for the Army Corps of Engineers and South Florida Water Management District and the preparation and drafting of a variety of structural and water resource plans, proposal and scope of work preparation.

EHS Coordinador, Siemens ICN, Boca Raton, FL
Gloria served as Corporate Environmental Coordinator. Strategically developed and maintained environmental, health and safety corporate programs; coordinated and implemented Safety Committee and employee safety trainings. She executed corporate environmental compliance and other state and local government compliance for onsite storage tank facilities, including compliance with CERCLA and RCRA regulations. Planned and implemented Earth Day Fair for employees and community outreach programs.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Stephen Tonjes

SENIOR SCIENTIST/STORM WATER MANAGEMENT

EDUCATION:
M.S. Oceanography, Oregon State University, Corvallis, Oregon, 1971
B.S. Zoology, University of Michigan, Ann Arbor, Michigan, 1969

YEARS OF EXPERIENCE: 40+

CERTIFICATIONS:
NPDES Wastewater / Stormwater Management Inspector

OFFICE: Central Florida

BIO:
Mr. Tonjes has more than 40 years of experience in Environmental Studies. Mr. Tonjes' expertise includes all forms of environmental services and National Environmental Protection Act (NEPA) documentation relating to the impacts of transportation and restoration projects on the natural, physical, and social environment. His years of experience has enabled him to develop a strong management, planning, communication, and coordination skills to meet the goals and objectives (within the scope, schedule, cost, and performance targets) of projects assigned to him.

EXPERIENCE:

Continuing Services Contract – Roadway #006, FDOT District 5. BMA serves as subconsultant to Constructive Engineering to prepare a set of contract documents including plans, specifications, supporting engineering analysis, calculations, and other technical documents in accordance with FDOT policy, procedures, and requirements. Mr. Tonjes serves as Chief Scientist responsible for preparing Individual Environmental Resource permits, pre-application meetings with USACE and Water Management Districts, wetland jurisdictional lines, UMAM Assessments, address request for additional information (RAIs) and coordinate with multiple agencies for multiple TWOs:

- SR 500/US 441/US 27/US 301 from North of SE 102nd Place to North of SE 98th Lane
- SR15/US 441/ Kenansville Rd from Okeechobee County Line to SR 60
- CR 4164 Safety Improvements

DW PD&E and Support Services, FDOT District 4. Developing and reviewing engineering and environmental documentation on transportation improvement projects and Project Planning (Corridor Location), Preliminary Engineering (Feasibility Studies, Conceptual Design and PD&E), Environmental Studies, implementation of Efficient Transportation Decision Making (ETDM), Sociocultural Effects Studies, traffic, and transit studies. Mr. Tonjes serves as Chief Scientist.

District Five Compliance Coordinator, Florida Department of Transportation
Mr. Tonjes reviewed in-house and consultant design plans and inspected construction sites and mitigation areas to ensure compliance with environmental permit conditions and with commitments made in environmental documents. He coordinated with permit agencies to correct deficiencies, including design and implementation of alternative mitigation. Administered research and assisted the Design department to develop designs and specifications for wildlife crossings and fencing. Performed biological monitoring.

Districtwide Contract Manager, Florida Department of Transportation
Mr. Tonjes wrote and administered the contract for monitoring and maintenance of district mitigation sites; determined tasks necessary for permit compliance. He administered the miscellaneous environmental services contract.

NEPA documents, Florida Department of Transportation
Steve prepared Advance Notifications, performed technical analyses of environmental impacts (air, noise, water quality, wetlands, wildlife, etc.), procured technical analyses from other departments and consultants, wrote and circulated appropriate NEPA documents, spoke at public hearings, and replied to project inquiries from the public. Monitored and reviewed the work of consultants preparing NEPA documents as above.

Tree protection: Assisted the Design department with plan notes and special provisions for tree protection and assisted the Construction and Maintenance departments with decisions involving tree removals or work close to trees and arranged specialized protection and pruning for affected historic trees.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Stephen Tonjes

SENIOR SCIENTIST/STORM WATER MANAGEMENT

BMA Consulting Engineering
Transportation Infrastructure & Innovation

Other wildlife and landscape: Applied and supervised consultant applications for gopher tortoise relocation permits, administered contracts for bat exclusions, coordinated with Design and Construction to avoid and mitigate for protected plants. Steve was responsible to reply to inquiries from other departments and the public concerning all environmental issues on DOT projects.

Notable wildlife involvements have included performing and coordinating all mitigation for gopher tortoise impacts, including projects such as SR 44 in Citrus and Sumter Counties and Alafaya Trail (SR 434) in Orange County, prior to the establishment by FWC of the current gopher tortoise relocation permit protocol. Permitted bat colony removals ahead of demolition of a pedestrian bridge over I-4 in Orange County, construction at several bridges over I-95 in Volusia and Brevard Counties and at US 441 over SR 46 in Lake County, and the Southeast's first bat housing attached to a bridge structure, to mitigate for partial colony removal from another portion of the SR 414 bridges over US 17 in Maitland.

After joining the Florida Department of Transportation in 1986, Mr. Tonjes was involved in nearly every PD&E study performed in District 5 until his retirement in 2014. He was lead environmental scientist for such early NEPA studies as the multi-lane of SR 44 from Crystal River to Volusia County, SR A1A through Brevard County, SR 551 in Orange County, SR 434 in Orange and Seminole counties, SR 414 extension from US 441 to SR 434, a new interchange on I-95 at Port St. John, and for the second bear crossing on SR 46. He became the FDOT environmental scientist working with the consultant team for the SR 40 multi-lane study through Ocala National Forest as coordination was beginning with the natural resource agencies and NGO's over major wildlife crossing structures, which finally led to their acceptance of the project and FHWA approval, after approximately 12 years of previous stalled attempts. Most recently, he was FDOT scientist for new interchanges on I-95 in southern Brevard County at the Palm Bay Parkway southern interchange (he had also been the FDOT scientist for the entire Palm Bay Parkway NEPA study in Brevard County), at Ellis Road, and at Viera Boulevard. These interchanges involved extensive coordination with FHWA over secondary impacts and with both FHWA and FWS over endangered species impacts. He also coordinated consultant studies and successful consultations with FWS on difficult endangered species issues at US 441 south of Mount Dora and SR 19 south of Tavares.

Mr. Tonjes performed some of District 5's earliest construction compliance monitoring (Eau Gallie, Melbourne and Pineda causeways in Brevard County) before the NPDES was established. He initiated and managed the first monitoring and maintenance contracts for wetland mitigation areas, including District 5's five pioneering wetland mitigation banks. He initiated environmental review of design plans and a database to monitor commitments made in NEPA documents and coordinated extensively with Design on plans and specifications for wildlife crossing structures on over a dozen projects, including US 17 in Seminole County, SR 40 in Ocala National Forest, SR 200 through Ross Prairie, SR 415 in Volusia County, I-4 from DeLand to Daytona Beach, and the Wekiva Parkway in Seminole County. He initiated and managed FDOT research on effectiveness of early crossings on SR 520 and US 192 in Orange and Brevard Counties, and preconstruction performance monitoring for the major crossings designed for SR 40 in Ocala National Forest. He is a contributing author for two books on mitigation of transportation impacts on wildlife.

Biologist, Office of Endangered Species, FWS, Washington, D.C. Consulted with federal agencies under Section 7 of the Endangered Species Act to ensure their programs would not jeopardize listed species. Met with representatives of the agencies, researched the projects and available data, and conferred with FWS scientists, to produce Biological Opinions for the Director's signature. The Biological Opinion stated whether or not there was jeopardy to listed species, what alternatives were available to the agency to avoid jeopardy, and what further measures the agency could take to conserve listed species. Steve also provided formal and informal technical assistance to federal agencies concerning impacts on listed species.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Professional Resume

TYLER CHAPPELL

Education

Texas Christian University- Fort Worth, Texas, Bachelor of Science, August 1997, Environmental Science

Summary

Mr. Chappell's capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting, mitigation design, and mitigation monitoring. Mr. Chappell has performed a number of endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. Mr. Chappell has also conducted construction compliance inspections including turbidity monitoring for wetland and coastal projects. He has over eighteen years of experience in many types of environmental permitting, including residential docks, marinas and coastal development.

Professional Experience:

VICE PRESIDENT — APRIL 2005 – PRESENT

The Chappell Group, Inc. Pompano Beach, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, Phase I ESA's, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands. Construction compliance inspections including turbidity monitoring for wetland and coastal projects.

DIRECTOR, ENVIRONMENTAL SERVICES — JANUARY 1998 – APRIL 2005

Craven Thompson & Associates, Inc. Fort Lauderdale, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, Phase I ESA's, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands.

Certifications:

- ISA Certified Arborist

Affiliations:

- South Florida Association of Environmental Professionals, Past President
- Florida Association of Environmental Professionals, Past Board Member
- Leadership Broward Graduate, Class XIX
- Marine Industries Association of South Florida, Board of Directors
- Florida Inland Navigation District, Past Broward Commissioner
- Riverwalk Trust, Past Board Member
- Broward Alliance, Past Investor
- International Society of Arboriculture, Certified Arborist, Member
- Hillsboro Inlet District, Broward Commissioner
- Friends of Hugh Taylor Birch State Park, Board of Directors, Secretary
- Port Everglades Association, Board Member
- Broward Workshop, Business Advocacy Committee
- Coastal Coalition, Fort Lauderdale Chamber of Commerce

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www.thechappellgroup.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Partial List of Projects:

- Fort Lauderdale/Hollywood International Airport, Fort Lauderdale
- Pompano Air Park, Pompano Beach
- West Side Dry Retention Pond, Fort Lauderdale
- NE 10th St Extension, Fort Lauderdale
- Gateway Hotel & Marina, Daytona Beach
- Harbour Towne Marina – Dania Beach
- Sunrise Harbor Marina, Fort Lauderdale
- Port Everglades Bridge over the FPL Discharge Canal, Port Everglades
- Boca Raton Beach Club & Marina, Boca Raton
- Ocean Express Pipeline, Dania Beach / Bahamas
- Miramar Regional Park, Miramar
- Dania Beach Port Casino, Dania Beach
- Border Patrol Center, Hollywood, FL
- Heron Bay, Parkland
- White Bay Cay, Exumas
- Hall of Fame Marina, Fort Lauderdale
- Fort Lauderdale Hollywood International Airport, Broward County
- Broward County Mitigation Monitoring, BC Waste & Recycling Services
- Pembroke Road over I-75, Broward County
- Sheridan Street, Broward County
- Deerfield Beach Pier Renovation, Deerfield Beach, FL
- Radisson Riverwalk Hotel, Tampa
- Port Everglades Turning Notch Expansion, Fort Lauderdale, FL

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Professional Resume

KATHRYN BONGARZONE

Education

Averett University, Danville Virginia 2007-2010
B.S. Environmental Science, minor Political Science, Magna Cum Lade

Summary

Ms. Bongarzone's capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, environmental permitting, mitigation design, and mitigation monitoring. Ms. Bongarzone has experience with endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. As a member of *The Chappell Group, Inc.'s* team, Ms. Bongarzone is handling environmental permitting, including residential docks, marinas and coastal development projects.

Professional Experience:

SENIOR PROJECT BIOLOGIST MAY 2014 – PRESENT

The Chappell Group, Inc. Pompano Beach, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands.

Newfound Harbor Marine Institute at Seacamp Association

Head Unit Leader/Instructor SEPTEMBER 2012- APRIL 2014

-Teach students through lecture, laboratory and field lessons in interpretive tropical marine science both on land and on water

- Captain a 26 ft. USCG designated research vessel, act as an ARC lifeguard, NAUI skin diving leader, and participate in hospitality services necessary to a residential facility

- Work directly with teachers to coordinate their trip for up to 120 students, including logistics, custom scheduling and lesson plans to fit the needs of each school

Affiliations:

- South Florida Association of Environmental Professionals, Member
- Leadership Broward, Class XXXVII
- International Society of Arboriculture, Certified Arborist, Member

Certifications:

- ISA Certified Arborist
- USCG OUVP Licensed Captain with Towing Endorsement
- ARC Lifeguard, First Aid and CPR certified
- ARC Lifeguard, First Aid and CPR Instructor
- PADI Open water SCUBA certified

Partial List of Projects:

- Pompano Air Park, Pompano Beach
- West Side Dry Retention Pond, Fort Lauderdale
- Port Everglades Turning Notch Expansion, Port Everglades
- Dania Beach Marina, Dania Beach
- Yachts Miami Beach Boat show, Miami Beach
- Harbor Towne Marina, Dania Beach
- Lauderdale Marine Center, Fort Lauderdale
- Pier 66 Marina, Fort Lauderdale
- Sunrise Parks, City of Sunrise
- Cooper City Soccer Park, Cooper City
- Alsdorf Park, Pompano Beach
- Private client, single family home dock design and permitting
- Tortuga Music Festival

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Professional Resume

JENA ROBBINS

Education

Salisbury University, Salisbury, MD, 2011-2015
B.S. Biology

University of Maryland Eastern Shore, Princess Anne, MD, 2011-2015
B.S. Environmental Science, Concentration in Marine Science

Nova Southeastern University, Dania Beach, FL, 2016-2018
M.S. Marine Biology

Summary

Ms. Robbins' capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, environmental permitting, mitigation design, and mitigation monitoring. Ms. Robbins has experience with endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. Ms. Robbins has performed field work involving the removal and relocation of coral species and has applied aquaculture methods to sustain coral life in a laboratory setting. As a member of *The Chappell Group, Inc.'s* team, Ms. Robbins is handling environmental permitting, including residential docks, marinas and coastal development projects.

Professional Experience:

SENIOR PROJECT BIOLOGIST — MARCH 2018 – PRESENT
The Chappell Group, Inc., Pompano Beach, Florida
Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, benthic resource surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands.

RESEARCH ASSISTANT — OCTOBER 2016 – AUGUST 2018
Nova Southeastern University, Dania Beach, Florida
Conducted laboratory research in the Marine Larval Ecology Laboratory to investigate global and local anthropogenic stressors on coral species. Performed field work involving the removal and relocation of coral species along Florida's coastline and laboratory work involving assembly of aquaria systems, maintenance, and experiments. Performed statistical data analyses for research using R programming language. Prepared and revised research manuscripts for publication.

RESEARCH ASSISTANT — JANUARY 2015 – MAY 2015
Salisbury University, Salisbury, Maryland
Conducted biological research at Salisbury University to investigate the pathological and histological response of billfish tissue to monogeneans.

Partial List of Projects:

- Pompano Air Park, Pompano Beach
- West Side Dry Retention Pond, Fort Lauderdale
- Boca Raton Beach Club & Resort, Boca Raton
- North Fork Riverfront Park, Fort Lauderdale
- Port Everglades Turning Notch Expansion, Port Everglades
- Private client, single family home dock design and permitting
- River Oaks, Fort Lauderdale

Certifications:

- PADI Advanced Open Water SCUBA
- PADI Rescue Diver
- PADI Enriched Air Nitrox Diver
- DAN Emergency Oxygen Provider
- DAN Basic Life Support: CPR & First Aid

THE Chappell INC. GROUP

714 East McNab Road
Pompano Beach, Florida 33060
Ph: (954) 782-1908
Fax: (954) 782-1108
www.thechappellgroup.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

GANESH JIAWON, MRICS, CGC, LEED AP

Principal-in-Charge/ Chief Cost Estimator

EDUCATION

- Diploma in Quantity Surveying (RICS), 1993
- B.S. Degree in Construction Management (Pratt Institute),1985
- Technician Diploma in Building and Civil Engineering, 1979

REGISTRATION

- Green Building Certification Institute, LEED AP, 2008
- State of Florida, CGC #1505217

PROFESSIONAL AFFILIATIONS

- Member of the Royal Institution of Chartered Surveyors England, 1979

YEARS OF EXPERIENCE WITHIN AREA OF SPECIALITY: 41

LENGTH OF / TYPE OF SERVICE WITH CMI: 26 years / Program Management / Construction Cost Estimating & Scheduling / Constructability Review/ Change Order Management / Construction Auditing / LEED Consulting / Cash Flow Projections and Facilities Condition Assessment.

BACKGROUND AND SKILLS

Ganesh is the President of CMI. He has over 40 years (25 years with CMI) of combined Chartered Quantity Surveying, construction estimating, management consulting and contract administration experience. As the principal-in-charge, Ganesh makes all decisions pertaining to the management and the daily operations of CMI. He has applied the principles of Construction Management and Chartered Quantity Surveying towards the success of a long list of public projects and satisfied Owners. With the Chartered Quantity Surveying method of cost estimating, Ganesh can **effectively evaluate schemes and strategies** before the standard material take-off strategy of estimating would be possible. This will help the design team understand the **cost implications of major design decisions made early in the process**. This way, **cost can be controlled with effective design-making** on the global scale, rather than incremental shifts late in the process. Life Cycle Costing calculations, even early in the design process can objectively evaluate different schemes in terms of their long-term costs. He and key members of his staff are familiar with Construction Technology and Project Cost Control techniques.

His expertise includes all aspects of program controls to support Facility Owners. He is involved in all estimating tasks including cost modeling, cost benefit analysis, scope validation & programming estimates, VE & life cycle cost analysis, conceptual budgets, detailed design phase estimates, bid evaluation & analysis, cash flow projections, change order management / negotiations and settlement. He also manages the scheduling assignments that are performed in-house or by subconsultants, and all on-site project management and contract administration services provided by CMI. His involvement in multiple projects in Florida, provides him with a thorough knowledge of local construction activities and a unique perspective of costs of labor and materials that impact the market, are reflected in bid results and labor productivity during construction.

Ganesh's training, combined with the thorough education and experience he gained with the RICS education, has made him a suitable candidate who is qualified to advise the Owner on all aspects of cost control and contract administration, from a Project's inception to its completion. He advises the Owner on scope vs budget, estimating updates, bid analysis and recommendations, form of contract and scope classifications, analysis of trade payment breakdown, examination and recommendation of Contractor's payment requests, and final close-out of the project. Additionally, this training and experience are also evident in document control, whereby minutes of meetings, status reports and other forms of communication flow smoothly among all the parties involved. This document flow ensures nipping problems in the bud, thus allowing for timely communication to provide the Owner with a complete audit trail.

For this contract Ganesh will ensure that projects are adequately staffed and will be supported by other CMI key personnel whose expertise include estimating, value engineering, claims analysis, auditing and contract administration. CMI has successfully provided consulting services (estimating, scheduling, auditing, claims analysis, owner's representative, project management, etc.) on over 1100 projects. Most were public projects in Orange, Lake, Seminole and Sarasota Counties, Orlando Int'l Airport, Orange County Public Schools, Miami-Dade County Public Schools, University of Central Florida and Broward, Valencia and Seminole Colleges.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

GANESH JIAWON, MRICS, CGC, LEED AP

Principal-in-Charge/ Chief Cost Estimator

Representative project experience for Ganesh includes:

Orlando Int'l Airport

- A380 Parking Layout
- AGT Station Roof Replacement
- Airfield Pavement West Cargo Road Ramp Rehabilitation
- Airport Security Improvement Program Projects: BP-X001, BP-X002, BP-X003, BP-X006, BP-X011, BP-X013 and BP-X019
- Airside 1&3 Renovations and Landside West AGT Renovations
- Airside 2 Airline Tenant Finish
- Airside 2 and 4 Rehabilitation, Airside 3 Removal & Relocation of Passenger Boarding Bridges Equipment
- Airside 4 Passenger Sky Bridge
- Airsides 1 and 3 Renovation Study
- All Aboard Florida Rail Embankment
- ARFF Administrative Building Centerfield
- Baggage Sortation System Upgrade
- Building 438 Conditions Assessment
- Building 830 Facility Improvement
- Cargo Road Expansion Phases 3 & 4C
- Concessions Remodeling
- Curbside Canopy Improvements
- Dewatering Plant Estimate and South Terminal Complex-Infrastructure Project Phase 1
- FAA Wildlife Hazardous Issues -Task Force Recommended Modifications
- Fire Alarm Upgrades, Landside at A/S 4
- Fourth Runway Complex
- Gate Gourmet Conditions Assessment
- Hangar Buildings 407 & 431 Assessment
- Quick Turnaround Facilities
- Sky Chef Conditions Assessment
- South Airport People Mover Complex APM / ITF / Infrastructure / Civil
- South Terminal Complex, Phase I

Orlando/ Sanford Intl Airport

- *FIS Customs & Border Protection Facility Remodel*

Ft. Lauderdale-Hollywood Int'l Airport

- Pedestrian Bridge Analysis
- Concourse A/B Taxi Lane and Aircraft Parking
- Terminal 3 Las Olas Blvd
- Taxiway B Extension
- Exit Road Improvements

Jacksonville Int'l Airport

- Signature Flight Support Hangar Improvements

Tampa Int'l Airport

- Taxiways V & W Rehabilitation
- Capital Improvements Plan
- STS-CUPPS Network Design
- Ground Support Equipment Facilities

Vandenberg Airport, Tampa

- New Maintenance & Storage Facility

Palm Beach County Airport

- Annual Facilities Inspection Condition Assessment

Newark Liberty Int'l Airport

- Terminal A Modernization

Palm Springs Int'l Airport

- Signature Flight Support Executive Terminal

San Diego Int'l Airport

- Signature FBO

San Francisco Int'l Airport

- Signature Executive Terminal, New Maintenance Hangar & Terminal Improvements

Southwest Florida Int'l Airport

- Midfield Terminal Complex/ Airline Consolidate Tenant Improvement
- *Indianapolis International Airport* Executive Terminal

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Coastal Risk Consulting LLC

Dr. Leonard Berry, Chief Science Officer
Years of Experience – 52 / Years with the firm – 6; Education – MS, PhD
Role on Select Projects Below:
Dr. Berry provided ongoing supervision of Risk Identification and prioritization and Adaptation and Resilience planning for each of the projects described below.



Dr. Leonard Berry is a co-founder, along with Albert J. Slap, of Coastal Risk Consulting. Dr. Berry is a Distinguished Research Professor Emeritus and former Director of the Florida Center for Environmental Studies at FAU. He has worked on environmental and climate change studies worldwide and has been a consultant to numerous national and international agencies including USAID, World Bank, UNDP, GEF and FAO. He is a member of the Four County Compact working group on current and future impacts of sea level rise, the Florida Department of Economic Opportunity Community Resilience Group and other state and national networks. Dr. Berry is the author of twenty books and over three hundred papers and reports and is an author of the Southeastern section of the 3rd National Climate Assessment. In 2012 he testified to the United States Senate full committee on Natural Resources and Energy on the current and future impacts of sea level rise in Florida. In 2017, Dr. Berry testified before a United State Senate Commerce, Science and Transportation committee about the risks of coastal flooding.

Dr. Brian Soden, Vice President for Science and Technology
Years of Experience – 27 / Years with the firm – 6; Education – MS, PhD
Role on Select Projects Below:
Dr. Soden provided ongoing supervision for Risk Scenario Modeling and Analysis and Geographical Information Systems applications for each of the projects described below.



Dr. Brian Soden is a Professor at the University of Miami's Rosenstiel School for Marine and Atmospheric Science. Dr. Soden specializes in the use of satellite observations to test and improve computer simulations of Earth's climate. He received his B.S. degree from the University of Miami, and M.S. and Ph.D. degrees from the University of Chicago. Before returning to the University of Miami, Dr. Soden was a Visiting Scientist and Lecturer at Princeton University, and a Physical Scientist with NOAA's Geophysical Fluid Dynamics Laboratory in Princeton, NJ. Dr. Soden has authored over 100 peer reviewed papers on weather and climate change. He is a Fellow of the American Meteorological Society and was the Lead Author for the Intergovernmental Panel on Climate Change, which shared the 2007 Nobel Peace Prize with Vice President Al Gore. Other honors include the American Meteorological Society's Henry G. Houghton Award, the National Space Club's David S. Johnson Award, and the National Aeronautics and Space Agency's H.E. Reid Award.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Coastal Risk Consulting LLC

Steve Fernandez, Senior Geospatial Scientist
Years of Experience – 24 / Years with the firm – 2; Education – MA
Role on Select Projects Below:
Mr. Fernandez provided Risk Models for Flooding and Climate Change Vulnerabilities including Sea Level Rise considerations for the Town of Bay Harbor Islands project described below.



Steven Fernandez is a Research Assistant Professor in the Master of Urban and Regional Planning Program at USF. His expertise is in geospatial technologies, including GIS, UAS, Lidar mapping and analysis. Steven has 20 years of experience in the private sector working on site suitability and location analysis for commercial real estate. Those projects were completed for over 250 municipalities in 20 states, 50 of which required fieldwork data collection. In 2010, he joined a research center at USF where he was a GIS project manager for terrestrial and aerial lidar projects. The Lidar projects were conducted throughout the Eastern United States, US Virgin Islands, Hawaii, Italy, France, Spain, Armenia, Mexico, and Guatemala. In 2018, he joined the MURP program where he developed 3 graduate courses that focus on Urban Planning and Lidar applications of GIS. He received his M.A degree in Technical Geography from the University of South Florida. His current research projects have focused on utilizing Lidar to analyze King Tide flooding in South Florida and the Tampa Bay region.

Robert Newton, Geographical Information Systems (GIS) Specialist
Years of Experience – 21 / Years with the firm – 4; Education – MS
Role on Select Projects Below:
Mr. Newton deployed Coastal Risk's proprietary technology and automated systems for interactive risk mapping, statistical analysis and geographical information systems for each of the projects described below.



Robert Newton is experienced in Geospatial analysis, data development, complex visualization design, statistical analysis, interactive mapping environments, aerial imagery, remote sensing and communicating technical methodologies. He has held senior geotechnical and natural hazards analysis positions with the Chesapeake Bay Foundation, Nature Conservancy and the Maryland Department of Natural Resources. Mr. Newton has completed a Bachelor of Science degree in Environmental Studies from the University of North Carolina, Wilmington, and a Master's in Environmental Science & Management from the University of California, Santa Barbara. He has also co-authored several publications on marine ecosystems and natural habitat conservation.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DELTA G CONSULTING ENGINEERS, INC.



George SanJuan P.E., LEED AP
Principal
Years of Experience: 38 / Years with Firm: 29

EDUCATION:
Bachelor of Science in Mechanical Engineering – Rutgers University 1989

LICENSING & REGISTRATIONS:
Professional Engineer Licenses held in 2 States

PROFESSIONAL AFFILIATIONS:
USGBC United States Green Building Council LEED Accredited Professional in 2007

George SanJuan founded **Delta G Consulting Engineers Inc.** in 1992. Mr. SanJuan has led the growth of the firm to twenty-four engineers and staff since October 1992. George SanJuan is an Electrical Professional Engineer with over Thirty-eight years' experience as an electrical engineer, project manager and Principal-in-charge

Experience

FLL Exit Roadway and Valet Routing Improvements | *Fort Lauderdale, FL*
Project#190629
This Project was for the final design for the Exit Roadway project which includes the development of 60%, 90% and 100% construction documents, environmental permitting, and bidding support services for the elements listed below. Alternative 6 that was developed during the 30% conceptual design efforts will be advanced with this design effort. No additional development of design alternatives is included in this scope. Services included all electrical design including roadway lighting, valet parking lot lighting, signage lighting and gates power sourcing, demolition of existing electrical connections to facilities removed.

FLL Remote Noise Mitigation Towers | *Fort Lauderdale, FL*
Project#190403
This project was for the installation of two (2) remote noise monitoring poles (towers)/ devices to supplement eleven (11) other existing remote noise monitoring poles (towers)/ devices. Tower No. 12 will be located at the south end of the Dr.Von D. Mizzel-Eula Johnson State Park overflow parking area and Tower No. 13 will be located on a lot used for parking at the Eastside Community Hall with an address of 4300 SW 55 Avenue, Davie, Florida. Tower No. 12 will be solar powered and tower No. 13 will receive electrical service power.

Delta Sky Club Space As-builts at FLL | *Fort Lauderdale, FL*
Project#180507
This project consisted of preparing As-builts plans to facilitate a construction cost estimate. Services included construction documents for fire sprinklers, electrical, plumbing and mechanical systems.

Wayman Aviation School Building at HWO at North Perry Airport | *Fort Lauderdale, FL*
Project#170912
This project was for the 10,000 sf Aviation School Building the project consisted of a two-story building 3 classrooms, 8 to 10 briefing rooms, 75 seat classrooms, Large breakroom/ vending area and restrooms. Services included MEP systems.

Fort Lauderdale Executive Airport - FXE Administration Building Renovation REV 9-1-16 | *Fort Lauderdale, FL*
Project#161107
This project consisted of providing MEPFST systems for the renovation of the existing FXE Administration Building at the Fort Lauderdale Executive Airport.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DELTA G CONSULTING ENGINEERS, INC.



EDUCATION:
Associate Degree in Electrical Engineering, 1982 BCC

Craig Bozeman

Electrical Engineer

Years of Experience: 41 / Years with Firm: 14

Craig Bozeman is an Electrical Engineer with Forty-one years of experience as an Electrical designer and project manager. He is responsible for total management of all aspects of projects to ensure they are completed on time and at the highest level of quality. Mr. Bozeman has designed Electrical systems for various buildings, such as Office/Commercial, Educational, and Residential/Hotel. Mr. Bozeman's years of experience includes all phases of electrical engineering design and analysis.

Experience

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DELTA G CONSULTING ENGINEERS, INC.



EDUCATION:
School of Architecture, Rafael Landivar University, Guatemala

Ricardo Torres

Plumbing Designer

Years of Experience: 30+ / Years with Firm: 7

Ricardo Torres joined Delta G Consulting Engineers, Inc. in 2013 as a Plumbing Designer. He has over 30 years of design experience in the Plumbing Engineering industry.

Experience

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DELTA G CONSULTING ENGINEERS, INC.



Stephen Bender P.E., LEED AP
Mechanical Engineer / Project Manager
Years of Experience: 29 / Years with Firm: 9

EDUCATION:
Bachelor of Science in Mechanical Engineering – Rutgers University 1989

LICENSING & REGISTRATIONS:
Professional Engineer Licenses held in 2 States

PROFESSIONAL AFFILIATIONS:
USGBC United States Green Building Council LEED Accredited Professional in 2007

Stephen Bender joined **Delta G Consulting Engineers, Inc.** in 2004 as a Mechanical Engineer. He has over 29 years of design experience in the Mechanical Engineering industry, including 9 years as a Project Manager for Delta G Consulting Engineers Inc.

Experience

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DESMAN
Design Management



Total Years of Experience
36

Years at DESMAN
10

Education
University of Wisconsin
B.S., Civil and Environmental Engineering
M.S., Civil Engineering

Active Registrations and Certifications
P.E. – Wisconsin
AICP – American Institute of Certified Planners
Parksmart Advisor - GBCI

Affiliations

Past Chair National Parking Association-Parking Consultant's Council

Past Board Member, National Parking Association

Past Vice Chair Institute of Transportation Engineers-Parking Council

American Planning Association PAS Technical Advisor

Urban Land Institute Smart Growth Solutions Panel

IPI Instructor-Certified Administrator of Public Parking (CAPP) Program

American Society of Civil Engineers

International Parking Institute

Civic
Board Member, City of Fort Lauderdale Beach Redevelopment Advisory Board

Florida Atlantic University - Mentorship Program

Christian R. Luz, PE, AICP

Associate Vice President

Mr. Luz is a Principal with DESMAN and leads their South Florida office. He has a BS in Civil and Environmental Engineering and a MS in Civil Engineering. Mr. Luz is also a registered Professional Engineer, a Certified Planner and a Parksmart Advisor (Green Garage Assessor) through the GBCI and USGBC. Some of Mr. Luz's accomplishments follow:

- Awarded the *Bernard Dutch Award* by the National Parking Association for outstanding contributions to the parking industry.
- Served on technical committee for the International Transportation Institute's original and update of the 2nd edition of *Parking Generation Manual*.
- Past Chair of the NPA-Parking Consultants Council and was co-author of *Parking Geometrics* publication and the Editor-in-Chief for the 4th Edition of *The Dimensions of Parking* prepared for the NPA and Urban Land Institute.

He has extensive experience in the conduct of a wide variety of planning and design studies in urban conditions involving all types of parking studies, site studies and mixed-use projects. His clients include airports, colleges and universities, corporate and medical campuses, retail centers, shopping malls and centers, municipal economic development corporations, institutional and private sector clients, transit agencies, metropolitan planning organizations, including dozens of cities and parking authorities. His leadership, experience and continued involvement in professional societies and research keep Mr. Luz on top of current state-of-the-art traffic and parking practices.

Selected Project Experience – Airport Planning and Design

- Miami International Airport Employee Parking Garage Design Criteria Package, Miami, FL
- Gainesville Regional Airport Parking Garage Design Criteria Package, Gainesville, FL
- Pensacola Regional Airport Rental Car Facility, Pensacola, FL
- Detroit Metropolitan Wayne County International Airport Ciculation Design, Detroit, Michigan
- San Antonio International Airport Garage, San Antonio, TX
- Hyderabad International Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DESMAN
Design Management



Total Years of Experience
36

Years at DESMAN
10

Education
University of Wisconsin
B.S., Civil and Environmental Engineering
M.S., Civil Engineering

Active Registrations and Certifications
P.E. – Wisconsin
AICP – American Institute of Certified Planners
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- Detroit Metropolitan Wayne County International Airport Ciculation Design, Detroit, Michigan
- San Antonio International Airport Garage, San Antonio, TX
- Hyderabad International Airport

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DESMAN
Design Management



Total Years of Experience
21

Years at DESMAN
2

Education
Pennsylvania State University
B.S., Civil Engineering

Active Registrations and Certifications
P.E. – Florida, Pennsylvania
Parksmart Advisor - GBCI

Affiliations

Florida Parking & Transportation Association - Past President (2020)

International Parking & Mobility Institute (IPMI) – Awards Committee Member

AIA Miami Diversity & Inclusion Committee - Member

Mark N. Santos, P.E.

Practice Leader, Parking Consultant, Structural Engineer

Mr. Santos is a Practice Leader with DESMAN in their South Florida office. He has a BS in Civil Engineering, is a registered Professional Engineer in Florida and Pennsylvania, and a Parksmart Advisor through the GBCI and USGBC. He has more than 21 years of experience in parking planning, design, and restoraton. He is highly skilled in the planning, functional design, operational consulting, and rehabilitation of parking facilities. Mark specializes in both public and private-sector projects with an emphasis on complex mixed-use projects in the entertainment, transit, retail, and healthcare markets. With Mark's unique background of functional and structural design of new parking structures and the assessment and restoration of existing parking structures, he is able to extend his knowledge to enhance the durability of parking structures while maintaining a user-friendly experience.

Some of Mr. Santos's accomplishments follow:

- Design leader for the Parksmart Silver Certified City of Sarasota St. Armands Parking Garage.
- Served on the board of the Florida Parking & Transportation Association between 2010-2020, most recently serving as Past President in 2020.

Selected Project Experience – Airport Planning and Design

- Miami International Airport Employee Parking Garage Design Criteria Package, Miami, FL
- Gainesville Regional Airport Parking Garage Design Criteria Package, Gainesville, FL
- Southwest Florida International Airport Short Term Garage Restoration, Fort Myers, FL*
- Cyril E. King Airport Parking Garage and Transportation Center Design, St. Thomas, U.S. Virgin Islands*

*Previous company experience

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

ELECTRICAL ENGINEERING

MAURICE LORD, P.E.
SENIOR ELECTRICAL ENGINEER



Mr. Lord graduated from the Florida Atlantic University with a bachelor's degree in Electrical Engineering. Maurice began his career as a consulting engineer working at consulting engineering firms in South Florida and has practiced as a consulting engineer ever since.

Mr. Lord is a registered professional engineer licensed in the state of Florida and brings to our clients over 15 years' experience with an extensive technical background in project management and the design of Electrical systems for projects of varying complexity. His experience has been diverse as he has fulfilled the design/construction administration/project management needs for a variety of projects in both the public and private sector for several types of facilities including, transportation (airports), multi- purpose facilities, high rise buildings, institutional facilities, restaurants, banks, hotels, medical buildings, K-12 schools and Labs.

Mr. Lord has experience working with various government institutions in the south Florida region including Broward County Aviation Department (BCAD), Miami-Dade County Aviation Department (MDAD), Broward County, Broward County Sheriff's office, Broward and Palm Beach County School Boards and Port Everglades.

Over the years Maurice has been involved with the design and construction of several Transportation projects in the South Florida region, some of which are, Electrical systems design for support buildings at the Fort Lauderdale international airport, Concessions design projects at the Fort Lauderdale international Airport, Record drawings for Terminal 3 and Garage for the Fort Lauderdale International Airport and the Burger King concessions at the Miami International Airport.

Other project experiences include but not limited to the Broward County central energy plant upgrades, Broward County mail jail 2.4 mw emergency generator system replacement, The Broward county crime Lab renovation , The City of Pompano Beach Government Building, North Broward high school renovations, Renovation at The Saint Andrews elementary school, Virginia Shuman Elementary School Renovations, Piper High School Renovations, Thurgood Marshall Elementary School Renovations, Renovations at the Florida Atlantic University, Florida International university (FIU) and Broward College.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MECHANICAL ENGINEERING

WAYNE A. WILLIAMS, P.E.
PRESIDENT / CHIEF OPERATING OFFICER



Mr. Williams graduated from the City College of New York with a bachelor's degree in mechanical engineering. He began his career as a consulting engineer in New York in 1994 directly after graduating from college. Mr. Williams relocated to Florida in 1995 where he worked for some of the more prominent mechanical, electrical, plumbing and fire protection (MEP&FP) consulting engineering firms in South Florida until 2005 while developing his career as a consulting engineer.

Today Mr. Williams is President of Engineering Consortium, Inc., a MEP&FP consulting engineering firm which was incorporated in 2005, he directs the daily operations of the firm while also serving in the roles of project management and design.

Mr. Williams is a registered professional engineer in the state of Florida and brings to our clients over 24 years of experience with an extensive technical background in the design of HVAC, Electrical, Plumbing and Fire Sprinkler systems. His experience has been diverse as he has fulfilled the design/construction administration/project management needs for a variety of projects in both the public and private sectors for several types of facilities including, transportation (Airport and Seaports), K-12 schools, universities, hospitals, multi-purpose facilities, high rise buildings, institutional facilities, restaurants, banks, hotels, medical buildings, clean rooms, labs and more.

Mr. Williams's transportation experience has been developed through working on projects for the Aviation departments of Broward County (BCAD) and Miami-Dade County (MDAD), Port Everglades Cruise Terminals and the Miami Cruise Terminal. He also has extensive experience working with the three major school boards (Palm Beach County, Broward County and Miami-Dade County school boards) in South Florida.

Mr. Williams has experience working with various hospitals and healthcare systems in Florida including Mount Sinai Medical Center (Miami, FL), University medical center (Tamarac, FL), Boca Raton Regional Hospital (Boca Raton, FL), Columbia Hospital (West Palm Beach, FL), Memorial Regional hospitals (Hollywood, FL), Jupiter Medical Center (Jupiter, FL), South Miami Hospital (Miami, FL), Baptist Health System, Tenet Health System, University of Miami Hospital (UM Health System) and Venice medical center (Venice, FL). He also has experience working with different government institutions in the south Florida region including Broward County, the General services Administration (GSA), Broward Port Everglades and the Port of Miami.

Over the years he has been involved with the design and construction of several transportation projects in the South Florida region some of which are, the current Fort Lauderdale International Airport $30M Terminal 4 expansion/FIS expansion, various AHU replacements projects at the Miami international airport, The design of the then new Port Everglades Cruise Terminal 29, The $40M renovation/expansion of Miami cruise terminals 1, 2 & 3 expansion and current concessions projects at the Sangster International Airport in Montego Bay Jamaica.

Other project experiences include but not limited to Mount Sinai Cancer Center-West Palm Beach, Joe DiMaggio children's hospital,; Florida Atlantic University Medical Building; The Florida Atlantic University Vivarium; Florida International University Library and Classroom building addition, The Miami Federal Courthouse (12 story Courthouse building); Lincoln elementary school (west palm beach) and the Robert Morgan high school (Miami/Dade), Virginia Young Elementary School renovation (Broward County), University of Miami Pharmacy renovation, Largo Medical Center pharmacy (Largo, FL). Nova Southeastern University Energy plant replacement, the Moon Palace - Jamaica Grand hotel (Jamaica) $300M renovation/expansion.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Scott Hinrichs *PE*
Structural Engineer



Professional Registration
Professional Engineer -
Florida No. 67810
Alabama No. 36822-E
South Carolina No. 34749
Illinois No. 062-055341
Structural Engineer - Illinois No. 081-005750
In the process of getting registered in Vermont

Education
MBA, Management, Roosevelt University, Chicago, IL
B.S., Civil Engineering, Valparaiso University, Valparaiso, IN

Years of Experience
With GRAEF: 23
With Other Firms: 2

Project Experience

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 1 BHS/CBIS, Fort Lauderdale, Florida: Structural engineering for a new checked baggage inspection system and baggage handling system in Terminal 1. The design added mezzanines and support facilities to accommodate new automated screening operations and conveyors within the existing baggage handling space. GRAEF also remodeled other existing support spaces and the existing baggage carousel operations.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 BHS/CBIS, Fort Lauderdale, Florida: Engineering discipline project manager and structural engineering for a new checked baggage inspection system and baggage handling system in Terminal 3. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. Detailed phasing and coordination to mitigate impacts on airline and airport operations was an important aspect of this project.

Fort Lauderdale-Hollywood International Airport (FLL) Terminal 4 BHS/CBIS, Fort Lauderdale, Florida: Design project manager and structural engineering for a new checked baggage inspection system and baggage handling system in Terminal 4. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. The new system will be capable of screening more than 1260 bags/hour through the use of conveyors and 4 Explosive Detection System (EDS) machines.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 Gate F1 Modernization, Fort Lauderdale, Florida: Engineering discipline project manager and structural engineering for the modernization of the existing Terminal 3 for JetBlue Airways including concourse gates and a “bags-to-go” temporary location.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 Ticket Lobby Modernization, Fort Lauderdale, Florida: Engineering discipline project manager and structural eningeering for upgrades to the ticket lobby and airport ticket offices, as well as modifications of the existing spaces for a new hold room, potable water connection, and permitting.

Fort Lauderdale-Hollywood International Airport Terminal 3 (FLL), South Lobby Terminal Circulation Ceiling Renovation, Fort Lauderdale, Florida: Renovation of the ceiling circulation which includes VAV systems, piping systems and fittings, ductwork fittings, pipe valves and specialties, ductwork specialties, dampers and controls, and diffusers, grilles, and register.

Orlando International Airport (MCO), Parking Garages A, B, and Terminal Top Lighting Replacement, Orlando, Florida: Project Principal and Manager for a lighting retrofit of parking Garage A, B, and the Terminal Top. Work included on-site analysis, data collection, field verification of existing electrical distribution and emergency lighting systems, and research and presentation of fixture alternatives. A main focus on this analysis was to provide the Authority with energy efficient alternatives.

GRAEF

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

José Lizasoain *PE, CxA*
Mechanical, Plumbing, Fire Protection Engineer



Professional Registration
Professional Engineer -
Florida No. 60785
Georgia No. PE038378
Arkansas No. 15735
Certified Commissioning Authority No. 1105-101
In the process of getting registered in Vermont

Education
M.S., Mechanical Engineering, The George Washington University, Washington, DC
B.S., Mechanical Engineering, Polytechnic University of Puerto Rico, San Juan, PR

Years of Experience
With GRAEF: 7
With Other Firms: 17

Project Experience

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 BHS/CBIS, Fort Lauderdale, Florida: Mechanical, plumbing and fire protection engineer for a new checked baggage inspection system and baggage handling system in Terminal 3. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. Detailed phasing and coordination to mitigate impacts on airline and airport operations was an important aspect of this project.

Fort Lauderdale-Hollywood International Airport (FLL) Terminal 4 BHS/CBIS, Fort Lauderdale, Florida: Mechanical, plumbing and fire protection engineer for a new checked baggage inspection system and baggage handling system in Terminal 4. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. The new system will be capable of screening more than 1260 bags/hour through the use of conveyors and 4 Explosive Detection System (EDS) machines.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 Gate F1 Modernization, Fort Lauderdale, Florida: Mechanical, plumbing and fire protection engineer for the modernization of the existing Terminal 3 for JetBlue Airways including concourse gates and a “bags-to-go” temporary location.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 Ticket Lobby Modernization, Fort Lauderdale, Florida: Mechanical, plumbing and fire protection engineer for upgrades to the ticket lobby and airport ticket offices, as well as modifications of the existing spaces for a new hold room, potable water connection, and permitting.

Fort Lauderdale-Hollywood International Airport Terminal 3 (FLL), South Lobby Terminal Circulation Ceiling Renovation, Fort Lauderdale, Florida: Mechanical, plumbing and fire protection engineer for the renovation of the ceiling circulation which includes VAV systems, piping systems and fittings, ductwork fittings, pipe valves and specialties, ductwork specialties, dampers and controls, and diffusers, grilles, and register.

Orlando International Airport (MCO), Ramp Level Operations Restroom Renovations, Orlando, Florida: Mechanical, plumbing and fire protection engineer for the reconfiguration and expansion of two restrooms, including additional plumbing fixtures, for the American Airlines ramp level operations. The project consisted of adding two bathroom stalls and one urinal to the men’s restroom (total of 3 stalls, 3 urinals, 3 sinks) and adding a stall to the women’s restroom (total of 3 stalls, 2 sinks).

GRAEF

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Alex Parrish *PE*
Electrical Engineer



Professional Registration
Professional Engineer - Florida No. 87322
In the process of getting registered in Vermont

Education
B.S., Electrical Engineering, University of Central Florida, Orlando, FL

Years of Experience
With GRAEF: 2
With Other Firms: 24

Project Experience

Miami International Airport (MIA) Building 3030, Miami, Florida: Electrical engineering for the partial demolition of Building 3030. The scope of work for this project is to provide a 30% design concept with cost estimate to determine the required work to keep the building occupied and operational during demolition/construction.

Miami International Airport (MIA) Building 3089 (Park 8) 40/50 Year Recertification, Miami, Florida: Electrical engineer or field observation and documentation for the 50-year recertification of Building 3089 (Park 8) at Miami International Airport (MIA). The field observation and report will be performed and prepared in accordance with Miami-Dade County Code 8-11(f).

Destin-Fort Walton Beach Airport (VPS), BHS Expansion, Destin-Fort Walton Beach, Florida: Electrical engineer for an expansion of the existing baggage handling system to increase the capacity and efficiency of the BHS and gain use of the full capacity of the EDS units. Includes evaluating the growth of passenger volume over the last few years and the current passenger volume. The system was designed to accommodate a 50% growth over the next 5-10 years, and account for the opportunity to easily integrate additional airlines in the future. Design is for a full outbound BHS/CBIS evaluation and design, from ticket counter to make-up device, to accommodate the airport's needs.

Destin-Fort Walton Beach Airport (VPS), Terminal Expansion, Destin-Fort Walton Beach, Florida: Electrical engineer for a ticketing terminal expansion. On this project, GRAEF is the prime contractor and is providing overall project management as well as site/civil, mechanical, electrical, plumbing, fire protection, and structural engineering services. The scope of work includes the design of a ticketing and lobby expansion, including restrooms, to enhance the throughput capacity and efficiency of passenger check-in and circulation at VPS.

Greater Orlando Aviation Authority Orlando International Airport (MCO) Parking Garage A, B, and Terminal Top Lighting Upgrades, Orlando, Florida: Electrical engineer for the final miscellaneous lighting upgrades. Initial work included on-site analysis, data collection, field verification of existing electrical distribution and emergency lighting systems, and research and presentation of fixture alternatives. A main focus on this analysis was to provide the Authority with energy efficient alternatives.

Orlando International Airport (MCO), Ramp Level Operations Restroom Renovations, Orlando, Florida: Mechanical, plumbing and fire protection engineer for the reconfiguration and expansion of two restrooms, including additional plumbing fixtures, for the American Airlines ramp level operations. The project consisted of adding two bathroom stalls and one urinal to the men's restroom (total of 3 stalls, 3 urinals, 3 sinks) and adding a stall to the women's restroom (total of 3 stalls, 2 sinks).

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Eugene Lozano *PE*
Civil Engineer



Registrations
Professional Engineer -
Florida No. 20705
Ohio No. 48838

Certifications
Safety Inspection of In-SeATSSA Certified Traffic Control Supervisor #00050692
Florida Utility Coordination Committee (FUCC) Training & Preparation of Module 4 and Construction Coordination & Management of Module 1 Forms and Agreements, for Florida Certification

Education
B.S., Civil Engineering, 1972, Ohio State University, Columbus, OH

Years of Experience
With GRAEF: 7
With Other Firms: 48

Project Experience

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 BHS/CBIS, Fort Lauderdale, Florida: Civil engineering for a new checked baggage inspection system and baggage handling system in Terminal 3. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. Detailed phasing and coordination to mitigate impacts on airline and airport operations was an important aspect of this project.

Fort Lauderdale-Hollywood International Airport (FLL), Terminal 3 Gate F1 Modernization, Fort Lauderdale, Florida: Civil engineering for the modernization of the existing Terminal 3 for JetBlue Airways including concourse gates and a "bags-to-go" temporary location.

Fort Lauderdale-Hollywood International Airport (FLL) Terminal 4 BHS/CBIS, Fort Lauderdale, Florida: Civil engineering for a new checked baggage inspection system and baggage handling system in Terminal 4. Work included design of new facilities, additions to existing facility spaces and systems, and modifications to underground utilities. The new system will be capable of screening more than 1260 bags/hour through the use of conveyors and 4 Explosive Detection System (EDS) machines.

Orlando International Airport (MCO), Parking Garages A, B, and Terminal Top Lighting Replacement, Orlando, Florida: Construction administration for a lighting retrofit of parking Garage A, B, and the Terminal Top. Work included on-site analysis, data collection, field verification of existing electrical distribution and emergency lighting systems, and research and presentation of fixture alternatives. A main focus on this analysis was to provide the Authority with energy efficient alternatives.

Destin-Fort Walton Beach Airport (VPS), Terminal Expansion, Destin-Fort Walton Beach, Florida: Civil engineering for a ticketing terminal expansion. On this project, GRAEF is the prime contractor and is providing overall project management as well as site/civil, mechanical, electrical, plumbing, fire protection, and structural engineering services. The scope of work includes the design of a ticketing and lobby expansion, including restrooms, to enhance the throughput capacity and efficiency of passenger check-in and circulation at VPS.

Destin-Fort Walton Beach Airport (VPS), BHS Expansion, Destin-Fort Walton Beach, Florida: Civil engineering for an expansion of the existing baggage handling system to increase the capacity and efficiency of the BHS and gain use of the full capacity of the EDS units. Includes evaluating the growth of passenger volume over the last few years and the current passenger volume. The system was designed to accommodate a 50% growth over the next 5-10 years, and account for the opportunity to easily integrate additional airlines in the future. Design is for a full outbound BHS/CBIS evaluation and design, from ticket counter to make-up device, to accommodate the airport's needs.

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM
GSLA DESIGN
17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266

Ken Gardner, ASLA, LEED AP

President, GSLA Design



With over 28 years of experience at GSLA Design (GSLA), Ken has extensive knowledge of landscape design and has prepared landscape plans for many municipal facilities, garages, streetscapes, parks, schools, condominiums, and commercial centers throughout Broward, Miami-Dade, Monroe and Palm Beach Counties. He has prepared master land use plans and site plans for parks, residential communities, and retail centers. He generated site construction plans and details, as well as planting, irrigation, and lighting plans for projects up to $600 million. As a native of South Florida, Ken's knowledge of sub-tropical plant material & its application is extremely strong. He became LEED certified in 2009 and completed many projects that received recognition from the U.S. Green Building Council.

Education:	Bachelor of Landscape Architecture, University of Georgia
Licenses:	State of Florida Certified Landscape Architect #1569
	LEED AP - Certified 2009
	Crime Prevention Through Environmental Design - Certified 1999
Professional:	American Society of Landscape Architects
	Transportation Aesthetic Review Committee
	Neat Streets Miami (formerly CIAB)
	United States Green Building Council

RELEVANT EXPERIENCE

Huizenga Hangar at Fort Lauderdale Hollywood Airport – Hollywood
GSLA prepared hardscape, planting and irrigation plans for the airplane hangars owned by prominent businessman and sports team owner H. Wayne Huizenga. At the time, the planes were used by the professional sports teams, as well as for his personal and business use. The landscape design reflected a high-end look that the owner wanted to portray.

Opa Locka Airport Streetscape and Hangars – Opa Locka
GSLA prepared existing tree disposition, mitigation, planting and irrigation plans for existing and proposed roads at the Opa Locka airport. The project was located along Wright and Langley Road. An old road within the airport was demolished and a new wider one was created with a new swale. On an earlier project, GSLA prepared planting and irrigation plans for 2 new hangar structures and offices at the airport.



Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM
GSA DESIGN
17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266

Aventura Brightline Station – Aventura
GSLA prepared hardscape, tree disposition, planting and irrigation plans for a new Brightline train station in Aventura. The design was created to fit in thematically with the Brightline motifs that were being used all along the railway corridor and at other stations. The landscape design utilized predominantly native plants, and was created to be sustainable, resilient and maintainable in perpetuity. The project is currently in the permitting phase.

Coral Springs Fire Station and Training Facility – Coral Springs
This project was a new 3-bay Fire Station and Fire Training Facility in the City of Coral Springs. GSLA prepared planting and irrigation plans for the project. GSLA used fire resistant species in certain areas since the site was to be actively used as a training facility and some of the activities were going to be close to landscape buffers.

Hallandale Beach Boulevard Gateway – Hallandale Beach
This project was for improvements to the retention areas on the north and south sides off I-95 on Hallandale Beach Blvd. GSLA prepared grading and planting plans that needed to meet all criteria set forth by FDOT. GSLA also designed new planting to enhance the entry signage for the city. GSLA used strictly native plant material to meet sustainability and maintainability requirements.

Golden Glades Multimodal Transportation Facility – Miami
This transportation project was a new bus facility, parking garage and lots for a Kiss and Ride bus terminal located at the Golden Glades interchange, along SR 441 and NW 7th Avenue. The landscape areas were divided into 4 distinct micro-climates with corresponding plant species that were typical in those areas. All of the plantings were native, sustainable species. The project is currently under construction, with an estimated completion date of June 2021.

N.W. 25th Street Streetscape – Miami
This project, located between NW 89th Avenue and NW 64th Avenue, was for the reconstruction of a 2.25 mile stretch of NW 25th Street to widen and add a viaduct over 25th Street and the Palmetto Expressway, continuing east to Miami International Airport. This project won the 2011 Project of the Year for Outstanding Landscape Design from the American Society of Civil Engineers. GSLA prepared planting plans.

Park and Ride Facility at SW 344th Street – Florida City
This project was for a new Park & Ride facility for the Miami-Dade County Busway located at SW 344th Street in Florida City. GSLA prepared planting plans. The project was designed to meet LEED standards, using predominantly native plants and an efficient irrigation system in order to create a sustainable design.

GSA Trade Shop – Miami
GSLA prepared the schematic design, design development, construction drawings, and construction administration services for a new Fleet Shop Maintenance Building and Offices in Miami, as well as a parking facility. This project received LEED silver status and was the first building in Miami-Dade County to receive this honor. GSLA prepared planting and irrigation plans for the project.



Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DANIEL ZEBALLOS
PRINCIPAL



Firm | Years with Firm
Illustrate My Design | 13

Total Years of Experience | 17

Aviation Experience | 6

Education
Bachelor of Science: Architecture, Catholic University of La Paz, Bolivia

Catholic University, Washington DC, International Study

As a Principal and Creative Director at IMD, Daniel uses his experience and talent to oversee the dozens of renderings sent out weekly for both local and international projects. Latest projects include the Pittsburgh Airport Terminal Modernization, the New International Airport in Mexico City, and others. With an eye toward the future, Daniel leads our team to develop customized solutions using emerging technologies for immersive experiences, driving innovation in architectural visualization for the DC metro area. He is a member of the American Society of Architectural Illustrators and SIGGRAPH, and frequent lecturer at these groups as well as the American Institute of Architects, DCVR, and industry conferences around the country.

Experience

FLL Master Plan | Broward County Airport Department
Project Role: Principal/Creative Director for a short film including live footage of existing conditions and 3D computer generated imagery of the two preferred design options for internal review and various meetings including presentations to the Broward County Airport Board. The animation includes views of the overall site and surroundings from various angles, and the transportation methods in and around the airport. In addition, the animation illustrates the phasing sequence for demolition and construction throughout the site, and provides an overview of the passenger experience for both Departures and Arrivals paths through the future airport site and terminal. Animation, and other visual and experiential content, will develop throughout the planning design phases.
Reference: Joe Chang, Vice President, Ricondo & Associates
515 King Street #500 Alexandria, VA 22314 | 703.519.2181 x 240 | jchang@ricondo.com

PIT Terminal Modernization | Allegheny County Airport Authority
Principal, Creative Director for a two part project under both Master Plan and A&E contracts. IMD created a Master Plan CGI 3D Renderings and Animation video for the PIT Terminal Modernization Program during the planning phase of the project for public relations and the recruitment of A&E and PM proposals. IMD was included in three of four A&E proposals and proceeded to develop the project under Gensler+HDR, the selected firm. 3D Renderings illustrated design concepts throughout development, and used for stakeholder meetings, marketing and public relations.
Reference: Tracey Cullen, Airport Planning Manager, Allegheny County Airport Authority ACAA Landside Terminal, 4th Floor, Mezz, PO Box 12370, Pittsburgh, PA | 412.472.3500 | tcullen@flypittsburgh.com
Reference: Ty Osbaugh, Principal, Gensler
2020 K Street NW Washington DC 20006 | 202.721.5200 | ty_osbaugh@gensler.com

SEA Master Plan | Port of Seattle
IMD created a Master 3D Model of all existing and future projects for the entire airport campus, and a 12-minute Passenger Experience CGI Animation to present the full vision for Seattle-Tacoma International Airport. The master model included adding complete BIM files from various firms, catalogue, and creating various levels of detail for a variety of presentations including an online tool to review technical aspects of the campus as a whole. For the Animation, IMD increased the level of detail of all existing models, and worked closely with the Port to create the architectural vision of projects that were not previously developed. The passenger experience illustrated national and international arrivals and departures. Numerous 3D Renderings were provided throughout the contract, to visualize both Interior and Exterior. The animation is being currently used by the Port in various shareholder meetings.
Reference: Laura Holthus, Director, Ricondo & Associates
170 120th Ave NE, Ste 204, Bellevue WA 98005 | 425.458.7180 | lholthus@ricondo.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

EUGENE YI
DIGITAL ARTIST



Firm | Years with Firm
Illustrate My Design | 3

Total Years of Experience | 5

Aviation Experience | 3

Education
Bachelors of Science in Simulation and Game Design
University of Baltimore, Maryland

As a Digital Artist with five years of experience, Eugene is well versed in all aspects of 3D Visualization. He excels as a 3D Modeler and Animator. His skills are a daily contribution at every step of the process.
Latest projects include the Seattle-Tacoma International Airport, Fort Lauderdale International Airport, and Los Angeles International Airport.

EXPERIENCE

Fort Lauderdale International Airport | Broward County Airport Authority
Project Role: Digital Artist for a short film including live footage of existing conditions and 3D computer generated imagery of the two preferred Design Options used in reviews and presentations to the Broward County Airport Board. The animation includes views of the overall site and surroundings from various angles, and the transportation methods in and around the airport. In addition, the animation illustrates the Phasing sequence for Demolition and Construction throughout the site, provides an overview of the Passenger Experience for both Departures and Arrivals paths through the future airport site and terminal. Animation, and other visual and experiential content, were developed throughout the Planning Design phases.
Reference: Joe Chang, Vice President, RICONDO
515 King Street #500 Alexandria, VA 22314 | 703.519.2181 x 240 | jchang@ricondo.com

LAX Planning | Los Angeles World Airports
Project Role: Digital Artist for a CGI Animation video for a study of a new TNC location. The purpose of the animation was to illustrate a new TNC lot located near the main road entrance to alleviate traffic congestion due to shared rides. The video illustrated the route of an exclusive bus for passengers and the proposed TNC lot. The animation included all the terminals of the airport, a simulation of the vehicular traffic on the main road, and a simulation of share rides at the TNC lot. Eugene was in charge of all the vehicle simulation, among others tasks.
Reference: Darrin McKenna, P.E. | Vice President, RICONDO
515 King Street | Suite 500 | Alexandria, VA 22314

SEA Visioning | Port of Seattle
Project Role: Digital Artist, for CGI videos for the SEA International Airport, Future visioning of the airport.
The purpose of the animation was to illustrate the future vision of the airport in the near and far future. It included renovations of the Main Terminal, new Checkpoints, new restrooms, a new South Terminal, a new Terminal with a Processing facility. A new Ground Transportation Center, roadway improvements and new Landscape design were also a part of the Design. The video was divided into 3 Passenger Experience paths to cover all the areas of the airport. The total video length was around 10 minutes. Eugene was in charge of vehicle, and airplane simulations, and 3D Modeling in general.
References: Laura J. Holthus | Director, RICONDO
170 120th Ave NE | Suite 204 | Bellevue, WA 98005
TEL +1 425-278-9525 x377 | lholthus@ricondo.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



PROFESSIONAL EXPERIENCE
23 Years

AVIATION EXPERIENCE
18 Years

EDUCATION
B.S.E.E. Bachelor of Science in Electrical Engineering, Florida State University

M.B.A Master of Business Administration, University of Central Florida

PROFESSIONAL AFFILIATIONS
State of Florida certified EIT

Former Top Security Clearance with Federal Government

American Association of Airport Executives

Airport Consultant Council Security Committee

Florida Aviation Council

Airports Council International

Florida Airports Council

Blair Cox

Vice President – Electrical Engineer

JSM & Associates

SUMMARY OF EXPERIENCE

Mr. Cox has extensive experience related to Baggage Handling Systems (BHS) and specifically Checked Baggage Inspection System (CBIS) with a core focus in pre-construction services, including team assembly, system design, scheduling and planning, installation and commissioning, and budget establishment in the BHS field for over 18 years.

Blair is well versed in the operational aspects of baggage conveyance systems, design concepts, and operational efficiencies. Prior to JSM, Blair was working closely with the TSA in developing 100% tracking technologies for use in CBIS applications. He was directly responsible for the installation and testing of 100% tracking technologies in the TSIF (TSA Security Integration Facility) and testing of level 2 and level 3 screening applications. Blair has also been a part of the TSA "working committee involved in rewriting the PGDS version 4.2, version 5.0 and version 6.0 as well as developing process concepts for the Risk Based Security (RBS) initiative.

Blair is an Electrical Engineer by degree and has performed Project Engineering and Project Management work starting in 1987 on the Space Shuttle Program at Kennedy Space Center.

HIGHLIGHTED RELEVANT EXPERIENCE

Design Oversight / CA Services | Kansas City International Airport, Kansas City, MO
VP: Senior Project Manager. Responsible for design oversight and CA Services of the design-build procurement of a complete baggage handling system to be installed in the new Terminal Building at MCI. Estimated BHS construction costs in excess of $50M. Total construction cost of program in excess of $1.5B.

BHS Consultant Services | Cincinnati-Northern Kentucky International Airport, Hebron, KY
VP: Senior Project Executive. Responsible for providing master planning and BHS design services to enhance performance of the system. Baggage Handling System consulting services including BHS & PBB assessment and BHS design services.

CBIS Optimization | Miami International Airport, Miami, FL
VP: Senior Project Manager. Responsible for CBIS / CBRA design oversight of largest TSA recapitalization and optimization project for the lead architect firm (Burns & McDonnell) and senior airport staff. Responsible for execution development and coordination of enabling work. Responsible for 30% design metric verification and preparation of estimates for budget adherence. Responsible for oversight of 70% & 100% TSA design submittals. Estimated BHS construction costs in excess of $90M. Total construction cost of program in excess of $235M.

BHS Design | Orlando International Airport, Orlando, FL
VP: Design Manager. Responsible for conceptual design of baggage handling system for new South Terminal Complex Phase 1C. Responsible for protecting right-of-ways for required system. Responsible for defining technologies to be used to produce Service Levels desired by GOAA of the BHS. Responsible for developing program budgets for BHS portion of the work. Estimated BHS construction costs in excess of $100M. Total construction cost of program in excess of $1.8B

BHS Design | Orlando-Melbourne International Airport, Melbourne, FL
VP: Design Manager. Responsible for design of baggage handling system to accommodate TUI Group's service addition to the airfield. BHS design includes a temporary CBIS and a fully automated CBIS. Responsible for developing program budgets for BHS portion of the work.

Designed for the Future.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



PROFESSIONAL EXPERIENCE
30 Years

AVIATION EXPERIENCE
30 Years in BHS Industry

EDUCATION
US Navy-Nuclear Sub Repair Construction-Business Administration and Law 500 plus hours in courses necessary to obtain and maintain multiple City and State Contractor Licenses.

PROFESSIONAL AFFILIATIONS
International Association of Baggage System Companies (IABSC)

Leadership Orlando
FL, NV, CA, TN, Specialty Contractor Licenses
Qualifying Individual

John Cottrell
Senior Project Manager

JSM & Associates

SUMMARY OF EXPERIENCE

Through his 30 years of continuous involvement in the BHS industry, Mr. Cottrell has gained hands on experience and knowledge in the design and implementation of complex Baggage Handling Systems (BHS) and Checked Baggage Inspection System (CBIS) projects.

From BHS Site Manager to Director of Field Operations, Project Manager to Vice President of Operations, John has been in a position of responsibility and accountability for much of his professional career. This expertise allows him to excel in troubleshooting and efficiency assessment related to overall baggage handling system construction and performance.

HIGHLIGHTED RELEVANT EXPERIENCE

CBIS Upgrades & Optimization | Miami International Airport, Miami, FL
Senior Project Manager. Senior Project Manager responsible for project coordination with the lead Architect Firm, Senior Airport Staff, Airline Staff, and the TSA to gain stakeholder consensus. Responsible for the review and oversight of conceptual to 100% construction documents for Outbound 12 EDS Machine CBIS security screening project. Performed inspection and construction administration services for the installation and commissioning of a $150M baggage system.

BHS OAR Services | Orlando International Airport, Orlando, FL
Project Manager. Commissioned to represent Greater Orlando Airport Authority (GOAA) as their Owner's Authorized Representative (OAR). Responsible for the inspection and oversight of the $150M installation of Individual Carrier System (ICS) for the South Terminal Complex. This system receives and processes baggage from Cruise Ships and Theme Parks as well as Customs and Border Control.

BHS/CBIS Asset Analysis, Design and Master Planning | Cincinnati Northern Kentucky International Airport, Hebron, KY
Senior Project Manager. Senior Project Manager responsible for assessing and cataloging more than 4000 BHS assets. Responsible for comprehensive reports detailing current asset conditions, assets in need of immediate repair, operational downsizing, and assets that could be decommissioned.

BHS / CBIS Installation | Ft. Lauderdale – Hollywood International Airport, Broward County, FL
Project Manager. Responsible for the manufacture, installation, testing and commissioning of the Terminal 1 Checked Baggage Inspection System. Led the testing effort to gain TSA certification of the system.

BHS Design Services | San Juan International Airport, Puerto Rico
Project Executive. Project Executive responsible for the installation of the entire baggage system for the new Terminal A. Worked with lead Architect firm, Construction Manager, Airport Staff, local and national Airline and TSA Representatives. Developed construction-phasing plans to coordinate the installation with the other building trades.

Designed for the Future.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



PROFESSIONAL EXPERIENCE
26 Years

AVIATION EXPERIENCE
26 Years
- 10 years with BAE
- 3 years with Siemens Airport Logistics
- 5 years with BEUMER Group
- 8 years of Individual Carrier Systems Development

EDUCATION
B.S.M.E. Bachelor of Science Mechanical Engineering, Texas A&M University

M.B.A Master of Business Administration, University of Texas at Dallas

PROFESSIONAL AFFILIATIONS
TSA Industry Working Group (IWG)

PGDS Review Committee

Airports Council International

Florida Airports Council

International Association of Baggage Companies

James Weigand

Sr. Project Manager / Mechanical Engineer

JSM & Associates

SUMMARY OF EXPERIENCE

Mr. Weigand has worked in the BHS industry as an engineer, project manager, estimator, installer and commissioning manager on major airport projects for more than 20 years. Jim has worked for three of the largest Baggage Handling System contractors in the world.

Jim started his aviation career as a mechanical engineer/designer for BAE Automated Systems. Jim later served as a project manager, leading pre-construction services for Siemens and finally as a systems manager for BEUMER Group.

Mr. Weigand has been a standing member of the TSA s Industry Working Group (IWG) co-authoring the last four (4) revision of the Planning Guidelines and Design Standards (PGDS) for Checked Baggage Inspection Systems (CBIS).

For the last 5 years, Jim has been the design manager for ICS technology baggage handling systems at international airports in North America. Jim s expertise is with melding the various BHS technologies to find the right solution for each unique situation.

HIGHLIGHTED RELEVANT EXPERIENCE

South Terminal BHS Design Services | Orlando International Airport, Orlando, FL
Senior Project Manager. Responsible for design development analysis to ensure BHS design will meet performance metrics set forth in the Design Criteria Package. Assist in coordination with the Senior Airport Staff and the TSA to gain stakeholder consensus.

New Terminal BHS Design Services | Kansas City International Airport, Kansas City, MO
Senior Project Manager. Responsible for design development analysis to ensure BHS design will meet performance metrics set forth in the Design Criteria Package. Assist in coordination with the Senior Airport Staff and the TSA to gain stakeholder consensus

Design/Build Expanded Sortation System | Cincinnati- Norther Kentucky International Airport, Hebron, KY
Senior Project Manager. Responsible for BHS design and construction administration an expanded sortation system to address new airline coming online.

BHS Design for New Terminal 1 | San Francisco International Airport, San Mateo, CA
Senior Design Manager. Responsible for BHS design and design coordination with architect and engineers for the construction of a new Terminal 1 at SFO.

BHS Design | Ottawa Macdonald-Cartier International Airport, Ottawa, CA
Senior Design Manager Responsible for BHS design and design coordination with architect and engineers for the construction of a new Hold Baggage Screening operation at YOW.

Designed for the Future.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



GEOTECHNICAL & CMT | CQA
Miami Lakes, FL
eric.stern@NV5.com
305.901.2049

CATEGORIES

Foundation Geotechnical Engineering

Construction Material Testing

Field Exploration & Laboratory Testing

EDUCATION

Tufts University, BS, 1996

EXPERIENCE

23+ years
14 years at NV5

REGISTRATIONS

Florida Professional Engineer, #57604

Florida Licensed General Contractor #1507583

AFFILIATIONS

American Society of Civil Engineers

Deep Foundations Institute

ERIC J. STERN, PE

Principal

Mr. Stern is a Project Manager with the firm. He has over 23 years of project experience in the fields of geotechnical engineering and construction materials testing. One of his responsibilities is to maintain the quality management for the materials testing and inspections services for various projects. As a project manager, Mr. Stern is responsible for the day-to-day operations of the soils and concrete testing laboratory that performs work for private and public clients. He provides technical oversight for compliance with local code and specifications. Mr. Stern also oversees QA/QC testing services including review of field testing and inspection reports, management of field and laboratory personnel, and issuance of engineering reports. His expertise also includes the inspection and testing of foundation systems such as driven piles, drilled shafts and augercast piles.

His knowledge includes the use of new technologies such as ground penetrating radar, pile integrity testing, and other non-destructive test methods. He has extensive experience with national and local accepted methods of materials and quality control testing including ASTM, AASHTO, and the Florida Building Code (FBC). Mr. Stern has performed construction materials testing for roadways and bridges, driven/drilled piles and drilled shafts and water and drainage structures.

Project Experience

Fort Lauderdale-Hollywood Airport North Runway, Fort Lauderdale, FL – Project Principal - The project comprised a $95 million upgrade of the 10,000-foot-long north runway. NV5 was the prime consultant for the Quality Assurance Materials Testing (QAMT) Program during construction. The project included new pavements, new engineered material arresting system beds, and new drainage installations.

Ft. Lauderdale-Hollywood International Airport Terminal 4 East & West Expansion, Broward County Aviation Department, FL – Project Principal - The expansion of Terminal 4 was to increase the number of available gates from ten to fourteen, with the total number of international gates being increased from six to twelve. Additional apron area for aircraft maneuvers and storage are also being constructed. NV5 personnel performed testing and inspection services of soil, concrete and asphalt at the project site, at the asphalt batch plant and at our laboratory. NV5 personnel performed onsite services for building construction as well as apron construction. The contractor scheduled much of this work at night during scheduled taxiway and gate shutdowns. This required schedule and coordination activities with airport officials, consultants and contractors.

Brightline Miami/Fort Lauderdale/West Palm Beach Stations, FL - This is a high-speed inter-city railway line under construction between Miami and Orlando. The first phase is operational with 3 elevated platform stations. The Miami station is about 480,000 sq. ft. and includes mixed-use development. The Fort Lauderdale and West Palm Beach stations are smaller at about 60,000 sq. ft. with 500- to 600-vehicle parking facilities. The West Palm Beach station includes a 24-level residential/mixed-use tower. NV5 provided geotechnical engineering studies for all three South Florida stations including the West Palm Beach tower. NV5 provided recommendations for augered, cast-in-place pile foundations, and for mitigation of weak near-surface subsurface conditions for the Fort Lauderdale station. One of the technical challenges for station design was group pile lateral analyses for crash wall V-columns to resist large lateral loadings. Finally during construction, NV5 provided construction materials testing and inspections.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5

New River Yacht Club III, Dania Beach, FL – Project Principal - NV5 performed a geotechnical study/provided recommendations for shallow foundation support for the podium, and deep foundation support for the tower. NV5 provided construction materials testing services to include observation/testing of foundation installation. A primary concern for the County was potential impact it could have on adjacent Andrews Avenue Bridge. NV5 developed and implemented a monitoring plan following County Guidelines, that included installation/monitoring of shallow and deep vibration seismographs, as well as settlement benchmarks.

Proposed Dania Warehouse, Dania Beach, FL – Project Principal - NV5 provided recommendations for design/construction, including site preparation and grading to minimize the existing landfill cap, and recommendations for re-use of the already installed piles (left from original development before it was abandoned in 2008 economic downturn). Challenges included: site clearing due to overgrown tress and potential for methane gas explosion during fieldwork (since site was landfill previously). NV5 performed non-destructive testing of previously installed driven piles using the pile integrity tester (PIT) to estimate pile capacity. NV5 provided recommendations for design and construction of the proposed warehouse, including site preparation and grading to minimize the existing landfill cap, and recommendations for re-use of the already installed piles.

Venetian Isles Pavement Rehabilitation, Miami Beach, FL - Principal - Subsurface evaluation and pavement evaluation on San Marino, DiLido, and Rivo Alto Islands, Miami Beach. This project comprised evaluation of pavement failures on three filled islands off the Venetian Causeway. Areas of considerable cracking have been observed since construction of new pavements about 5 years ago. NV5 performed subsurface exploration comprising borings, cone penetrometer testing, laboratory testing including extraction tests, and provided alternative recommendations for rehabilitation of pavement. The options ranged from full depth replacement to milling and adding an overlay, as appropriate for different areas of the three islands. This approach allows the City to address the rehabilitation in an economical fashion while maximizing pavement lift.

Collins Park Garage, Miami Beach, FL - Principal – Geotechnical engineering for a 6-level parking garage including standard penetration tests, percolation tests, soil sampling. Recommendations included high capacity augercast piles and load tests. Currently providing construction materials testing.

Lincoln Road Pedestrian Mall Improvements, Miami Beach, FL - Principal - Geotechnical exploration for proposed improvement to popular South Beach pedestrian mall along Lincoln Road between Lenox and Washington Avenues in Miami Beach. The geotechnical exploration included asphalt core sampling, test borings and percolation testing, and laboratory testing. One challenge was to execute the field exploration with minimal disruption to the high-pedestrian traffic tourist destination. Provided recommendations for structure support, trench drains, and pavement milling and resurfacing.

Brickell Citicentre, Miami, FL – Project Manager, currently providing testing services to $1 Billion Brickell Citicentre project in Miami, Florida. This Project spans three city blocks in downtown Miami. NV5 conducts the quality control testing for the simultaneous construction of multiple 20 to 45 level structures and general site development.

POM Government Cut Utility Relocation, Miami, FL – Project Manager - Design Build project in which NV5 provided the geotechnical engineering for the force main launch shaft located on Fisher Island, the force main retrieval shaft located in Government Cut (waterway). Also provided the geotechnical engineering for a second retrieval shaft at South Pointe Park on Miami Beach and the geotechnical designed installation details of the launch and retrieval shafts to facilitate the installation/removal of the sub-aqueous force main pipeline installed by micro-tunnel boring machine method (MTBM) across the Government Cut Channel.

POM New Bulkhead-Seaboard Yard Area No. 3, Miami, FL – Project Manager, provided geotechnical engineering services for the design of about 800 lineal feet of new marine bulkhead located on the south side of Dodge Island. The work included drilling test borings, performing in-situ testing, and obtaining soil and rock samples for testing at the NV5 laboratory.

POM ESP Wharves Strengthening Program, Miami, FL – Principal Engineer, provided the CEI team with geotechnical engineering services and construction material testing work. Work included preconstruction test borings to verify design engineers assumptions regarding subsurface conditions.

Jade Signature, Sunny Isles, FL – Project Manager responsible for the oversight of a 59-story tower, including testing of DSM plug, augercast piles, concrete and soils testing, post-tensioning and grease cap inspections, Coordinate and manage testing of 12,000 CY mat pour.

Porsche Design Tower, Sunny Isles, FL – Project Manager oversight of a 65-story tower which included augercast piles installation, concrete and soils testing, post-tensioning and grease cap inspections, Coordinate and manage testing of 11,000 CY mat pour.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



GEOTECHNICAL & CMT | CQA
Miami Lakes, FL
garfield.wray@NV5.com
305.901.1891

CATEGORIES

Foundation & Geotechnical Engineering

Construction Material Testing

Field Exploration & Laboratory Testing

Forensic

EDUCATION

Howard University, Master of Engineering, 1988

University of the West Indies, Bachelor of Science, 1983

EXPERIENCE

35+ years
8 years at NV5

REGISTRATIONS

Florida Professional Engineer, #049734

California Professional Engineer #50556

AFFILIATIONS

American Society of Civil Engineers

Academy of Geo-professionals

Deep Foundations Institute

GARFIELD WRAY, PE, DGE

Vice President/Geotechnical Engineer

Mr. Wray is a Vice President and Director of Geotechnical Engineering with the firm. He has over 35 years engineering experience, and has provided project management and performed engineering analyses and design for a wide variety of engineering projects. He has worked on many projects throughout the United States including South Florida, Washington D.C, Maryland, Virginia, the New England area, Louisiana, Texas, California, and throughout the Caribbean. He has extensive knowledge of geotechnical and foundation engineering design and construction issues. His projects include airports, marine ports, bridges, roadways and other infrastructure developments, industrial facilities including LNG terminals, oil and bauxite refineries, water and wastewater treatment plants, and commercial and residential buildings up to 93 stories tall.

Project Experience

Brightline Miami/Fort Lauderdale/West Palm Beach Stations, FL - This is a high-speed inter-city railway line under construction between Miami and Orlando. The first phase is operational with 3 elevated platform stations. The Miami station is about 480,000 sq. ft. and includes mixed-use development. The Fort Lauderdale and West Palm Beach stations are smaller at about 60,000 sq. ft. with 500- to 600-vehicle parking facilities. The West Palm Beach station includes a 24-level residential/mixed-use tower. NV5 provided geotechnical engineering studies for all three South Florida stations including the West Palm Beach tower. NV5 provided recommendations for augered, cast-in-place pile foundations, and for mitigation of weak near-surface subsurface conditions for the Fort Lauderdale station. One of the technical challenges for station design was group pile lateral analyses for crash wall V-columns to resist large lateral loadings. Finally during construction, NV5 provided construction materials testing and inspections.

Port Everglades Terminals 2 & 4 Garage, Fort Lauderdale, FL – Principal Engineer – Geotechnical study for new 6-level garage. Services included performing a geotechnical study, providing engineering consultation during construction, and providing construction oversight during installation of project foundations.

City of Hollywood Sewer Upgrade, Hollywood, FL – Principal Engineer – Several blocks of upgrading the sewer system with the installation of new sewer pipes and pump stations up to 20 feet deep. Performed a geotechnical study to provide recommendations for foundation design and construction of the proposed sewer pipes and appurtenances. It was a challange performing work on narrow residential streets.

New River Yacht Club III, Dania Beach, FL – Project Manager - NV5 performed a geotechnical study/provided recommendations for shallow foundation support for the podium, and deep foundation support for the tower. NV5 provided construction materials testing services to include observation/testing of foundation installation. A primary concern for the County was potential impact it could have on adjacent Andrews Avenue Bridge. NV5 developed and implemented a monitoring plan following County Guidelines, that included installation/monitoring of shallow and deep vibration seismographs, as well as settlement benchmarks.

Proposed Dania Warehouse, Dania Beach, FL – Project Manager - NV5 provided recommendations for design/construction, including site preparation and grading to minimize the existing landfill cap, and recommendations for re-use of the already installed piles (left from original development before it was abandoned in 2008 economic downturn). Challenges included: site clearing due to overgrown tress and potential for methane gas explosion during fieldwork (since site was landfill previously).

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5

NV5 performed non-destructive testing of previously installed driven piles using the pile integrity tester (PIT) to estimate pile capacity.

Port Miami Cruise Terminal A, Miami, FL – Principal Engineer for geotechnical study for new 170,000-square-foot cruise terminal and associated 9-level garage. Field exploration comprised 25 borings to 45 to 75 feet below grade, and several field permeability tests. Provided recommendations for deep foundations and for managing compressible soils at the site.

Port Miami Berth 7 North Realignment, Miami, FL – Principal Engineer for geotechnical study for 1,450-foot berth realignment. Performed engineering borings including rock coring, performed laboratory testing, and provided recommended design parameters for bulkhead and anchor design, as well as recommendations for excavation and backfilling behind new bulkhead.

Collins Park Garage, Miami Beach, FL - Project Manager – Geotechnical engineering for a 6-level parking garage including standard penetration tests, percolation tests, soil sampling. Recommendations included high capacity augercast piles and load tests. Currently providing construction materials testing.

Brickell Citicentre, Miami, FL – Geotechnical Engineer, currently providing testing services to $1 Billion Brickell Citicentre project in Miami, Florida. This Project spans three city blocks in downtown Miami. NV5 conducts the quality control testing for the simultaneous construction of multiple 20 to 45 level structures and general site development.

Miami-Dade Civil and Probate Courthouse – Project manager for geotechnical study for new 440-foot-tall courthouse. Scope includes performing a geotechnical study and providing recommendations for foundation design and construction. A sensitive feature of the project is that it is located within 30 feet of the Metrorail guideways.

Miami World Center, Miami, FL - Principal Engineer - provided geotechnical engineering services. NV5 performed eight (8) drainage tests for this project which is presently developed with two low- to mid-rise structures on the east and west edges, and at-grade asphalt-paved parking in the center. The Miami World Center project consists of two high rise towers and a podium on site.

Venetian Isles Pavement Rehabilitation, Miami Beach, FL
Project Manager - Subsurface evaluation and pavement evaluation on San Marino, DiLido, and Rivo Alto Islands, Miami Beach. This project comprised evaluation of pavement failures on three filled islands off the Venetian Causeway. Areas of considerable cracking have been observed since construction of new pavements about 5 years ago. NV5 performed subsurface exploration comprising borings, cone penetrometer testing, laboratory testing including extraction tests, and provided alternative recommendations for rehabilitation of pavement. The options ranged from full depth replacement to milling and adding an overlay, as appropriate for different areas of the three islands. This approach allows the City to address the rehabilitation in an economical fashion while maximizing pavement lift.

City of Weston Community Center – Project principal for geotechnical study for new 2-level community center with an approximate floor plate of 34,000 square feet. performed a field exploration and provided recommendations for foundation design and construction. One of the project challenges included uncontrolled filling and organic materials discovered in portions of the site. Provided recommendations for mitigation of these conditions.

City of Miami Fire Rescue Clinic – Project manager for geotechnical study for clinic building inside ground floor of Marlins Stadium parking garage. Scope of work included providing recommendations for micro piles to resist floor slab hydrostatic uplift pressures.

City of Coral Gables Public Safety Building – project manager for value engineering study for foundations for a 5-level public safety building. The original design called for the use of 24-inch-diameter augered pile foundations. Based on existing subsurface data, performed analyses to reduce pile diameter to 18 inches. Also successfully performed load testing validate the new foundation design.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5

FORENSICS | CQA
Hollywood, FL
jason.salvin@NV5.com
305.439.1832

CATEGORIES

Claim Avoidance and Claim Resolution

General Contracting Industry Standards

F.S. Chapter 558 Notice of Claim Administration and Support

Claim and Cost Analysis

Risk Management and Construction Contract Compliance Analysis

Litigation Support, Document Review and Analysis, and Document Management

Dispute Resolution Services

EDUCATION

University of Miami School of Law, Juris Doctor, 2003
Pennsylvania State University State College, BA, 1996

EXPERIENCE

20+ years
3 years at NV5

AFFILIATIONS

Member of the Florida Bar Association, Dade County Bar Association & the American Bar Association
Prior Chairman of the Dade County Bar Association Construction Law Committee
Prior 30 Hour OSHA Certification and Red Cross Certification for CPR and First Aid
Prior Member of the South Florida Associated General Contractors of American, Young Contractors Forum

JASON D. SALVIN

Principal Consultant, Director of the NV5 Forensics Group

Mr. Salvin has more than 20 years of comprehensive experience in construction related professions. Prior to joining NV5 in December 2017, Mr. Salvin was a Partner in one of the nation's largest construction law specialty firms and served as the firmwide Chair of its Construction Defect Practice Group. Mr. Salvin practiced construction law for more than a decade and was Martindale-Hubble peer rated AV Preeminent for the highest level of professional excellence. Mr. Salvin was certified by the Florida Bar as a Construction Law Specialist in 2010 and was certified by the Supreme Court of Florida as a Court approved Circuit Mediator in 2017. Prior to practicing law, Mr. Salvin worked for one of the nation's leading builders in various positions, including as a Project Manager, Project Engineer, Superintendent, Cost Engineer, and Purchasing Agent and was personally involved in approximately $500,000,000 of preconstruction and construction related activities.

Professional Experience

RELEVANT EMPLOYMENT INFORMATION

Peckar & Abramson, Miami, Florida – 2003-2017
Extensive pre-trial litigation experience including the defense and prosecution of pre-suit claims and litigation of various construction related matters, including preparation and participation in mediations and the negotiation and drafting of comprehensive settlement agreements. More specifically, Mr. Salvin has experience with claims concerning mold, asbestos, landscaping and sitework, foundations, reinforced, pre-stressed, and post-tensioned concrete, masonry construction including CMU construction, metal fabrications including handrails and railings, expansion joints and waterproofing, roofing, metal doors, frames and hardware, window systems including glass and glazing, finishes including portland cement plaster, paint and coatings, gypsum board assemblies, tile, carpet, and insulation, louvers and vents, fireplaces, elevators, metal, PVC, and CPVC piping, HVAC systems and associated equipment, air distribution systems, and controls, plumbing fixtures and equipment, fire protection systems, electrical systems, and other building systems and components.

Mr. Salvin has extensive experience taking and defending depositions of corporate representatives, fact witnesses and experts, and conducting and facilitating large scale document reviews and document management protocols, participating in hundreds of construction and design defect claim inspections, the organization and attendance of onsite destructive testing and laboratory testing activities, observations of remedial and repair work, and various other activities associated with construction claims and disputes during pre-litigation, litigation, and post litigation phases.

Additionally, Mr. Salvin has counseled clients concerning risk management, contract and subcontract document compliance, contract administration and contractually required notices during pre-construction and construction

phases. This includes attendance at regularly scheduled jobsite meetings and inspections with project personnel and being assigned for several years as a full time 'In-House' Attorney stationed in a national construction company's South Florida operations main office.

Mr. Salvin has counseled clients concerning claim avoidance, claim preparation and claim resolution including performance and payment disputes, insurance and bond claims, and other issues and attended numerous mediations and settlement conferences including complex litigation matters involving numerous parties, insurers, consultants, and attorneys.

Turner Construction Company, Miami, FL - 1997-2003

Project Manager, March 2002-May 2003. Claims & Litigation Related Construction Work, Fisher Island, Florida, etc.

Purchasing Agent, September 2001-March 2002 - Involved with numerous Projects with a combined initial value in excess of $130,000,000, including the University of Miami Ryder Center, State School HHH, Fisher Island Bayview VII, Miami Dade Community College School of the Arts, and the Miami Children's Museum.

Cost Engineer, February 2000-September 2001 - Involved with numerous Projects with a combined initial value in excess of $210,000,000, including Grand Flamingo (three projects including new construction and the renovation of two existing towers), Fisher Island Bayview VII, and Exodus.

Superintendent, March 1999-February 2000 - Sugarloaf Middle School Project, Sugarloaf Key, Florida. Approximate Value of $35,000,000.

Assistant Project Engineer, October 1997-March 1999 - Universal Studios, Islands of Adventure, Jurassic Park, Orlando, Florida. Approximate Value of $130,000,000.

JLG Industries, Bedford, PA 1996-1997

Systems Analyst, QA/QC Division, Construction Industry Scissor Lift Manufacturer.

RELEVANT ACCOMPLISHMENTS

2017 - Florida Supreme Court Certified and Court Approved Circuit Mediator

2015 - Martindale-Hubble Peer Rated AV Preeminent for Highest Level of Professional Excellence

2010 - Board Certified by the Florida Bar as a Construction Law Specialist

2007 - 2009 - Chairman, Dade-County Bar Association Construction Law Committee

2006 - 2007 - Vice Chairman, Dade-County Bar Association Construction Law Committee

2004 - Admitted to Florida Bar, Eligible to Practice Law in Florida State Courts and the United States District Court for the Southern District of Florida

PRESENTATIONS & PUBLICATIONS

Mr. Salvin has presented on numerous occasions at speaking engagements, lectures, and training seminars pertaining to Florida Statute Chapter 558, Florida's Construction Defect Notice and Opportunity to Cure Statute, including accredited Continuing Legal Education and Continuing Mediation Education courses, lectures and seminars for the Turner Construction School of Construction Management in Miami-Dade, Broward, and Palm Beach Counties attended by hundreds of general contractors, subcontractors, vendors, designers, among others, and for the Miami Chapter of the National Association of Women in Construction. Additionally, during Mr. Salvin's tenure as Vice Chairman and Chairman of the Dade County Bar Association Construction Law Committee, he organized and facilitated numerous Florida Bar Accredited Continuing Legal Education Seminars with guest speakers on a regular basis concerning a wide variety construction and construction law related issues.

Mr. Salvin authored and co-authored articles pertaining to various construction law matters including construction warranties, the Statute of Limitations and the Statute of Repose, the project close out process, post-construction issues including claim avoidance, claim preparation, claim resolution efforts, and the evolution of Florida Statute Chapter 558, including most recently an article published in the Daily Business Review (Miami Florida Publication) on June 9, 2017 regarding recent and controversial

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

changes to Florida Statute Chapter 558 proposed by the Florida House of Representatives and the Florida Senate during the 2017 Legislative Session.

MEMBERSHIPS & TRAINING

In addition to on the job training, during his service with Turner Construction Company, Mr. Salvin attended continuing education and construction industry training seminars and courses relating to a wide range of industry issues including cost controls and scheduling, means, materials, and methods of construction, risk management, plans and specification review and constructability analysis, and matters concerning various trades and divisions of work such as soils/site work and underground work, concrete and concrete accessories, waterproofing, building finishes including flooring, stucco and coatings/paint, millwork, building envelope issues, mechanical, electrical, plumbing, and fire protection materials and systems, and building control systems. During this period, Mr. Salvin also completed a 30 Hour OSHA Certification and Red Cross Certification for CPR and First Aid.

During his tenure at Peckar & Abramson, Turner Construction Company, and JLG Industries over the course of more than 20 years, Mr. Salvin supervised and/or managed hundreds of individuals and companies comprised of contractors, subcontractors, engineers, architects, consultants, vendors, suppliers, mechanics, attorneys, paralegals, assistants, receptionists, accountants, and project administrators. Mr. Salvin has estimated, developed, and managed substantial budgets, developed and implemented cost controls, managed client expectations, assembled, organized, mobilized, and supervised project teams of varying types and sizes for varying purposes, and assisted clients seeking assistance regarding a variety of diverse issues and scopes of work.

Mr. Salvin currently manages NV5's Forensics Group in Hollywood. Florida.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



CIVIL ENGINEERING | INFRASTRUCTURE
Orlando, Florida
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407.896.3317

CATEGORIES
Hydrology and Stormwater Management
Site Plan Design
Commercial Land Development
AutoCAD
Microstation
ICPR
Government Agency Permitting
Microsoft Office Applications

EDUCATION
B.S. Civil Engineering, Norwich University, 1999 University, VT

EXPERIENCE
21 years
15 years at NV5

REGISTRATIONS
Professional Engineer: Florida, 2006
Professional Engineer: Illinois, California, 2004

AFFILIATIONS
American Society of Civil Engineers Member

JASON MAHONEY, PE

Senior Civil Engineer

Mr. Mahoney has more than 21 years of experience in civil engineering. As a Senior Project Manager/Civil Engineer he coordinated his team of project managers, engineers, designers and admin assistants to provide seamless progress of all projects from inception to completion. For the last few years, he was the service line director for the Orlando Civil Engineering Division of NV5 and is now the Business Unit Director/Vice President of NV5 overseeing all the Central Florida Infrastructure operations that covers civil engineering/land development, transportation, and surveying and mapping services. He is directly responsible for Personnel Management, Project Schedules, Contract Agreement Preparation and Management, Marketing and Client Development.

Project Experience

COMMERCIAL SHOPPING CENTER DEVELOPMENT
APOPKA, FLORIDA
Project Manager. Design and construction for a 60,000 SF shopping center located at Balmy Beach Road in Apopka, FL. Permits were obtained through Seminole County, SFWMD, FDOT and FDEP.

MULTIFAMILY RESIDENTIAL DEVELOPMENT
CASSELBERRY, FLORIDA
Project Manager. Design and construction of a 336 unit multifamily development consisting of 13 residential buildings and a clubhouse and amenity/pool area located on US 17-92 in Casselberry, FL. Project included floodplain impacts. Permits were obtained through City of Casselberry, SJRWMD, FEMA and FDEP.

22-STORY HOTEL TOWER
ORLANDO, FLORIDA
Project Manager. Design of a 22-story luxury hotel tower site located on International Drive in the tourist and hospitality center of Orlando, FL. Design included a 5-story parking structure and a private sanitary lift station. Permits were obtained through Orange County, SFWMD, FAA and FDEP.

COMMERCIAL SHOPPING CENTER DEVELOPMENT
PORT ORANGE, FLORIDA
Project Manager. Design and construction for a 65,000 SF shopping center located at Clyde Morris Blvd in Port Orange, FL. Permits were obtained through City of Port Orange, SJRWMD, Army Corps, Volusia County and FDEP.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5

APOPKA CITY CENTER
MIXED USE DEVELOPMENT / MASTER PLANNING
- 20,000 SF of restaurants, 92,000 SF of retail, 33,000 SF of office space, a 5-story hotel, 13,000 SF wedding venue and 300 multifamily residential units.
- 1.5 miles of roadway improvements (FDOT & City) and two (2) traffic signal designs.
- Public – Private partnership with City of Apopka.
- Apopka, FL

WINTER SPRINGS TOWN CENTER
MIXED USE DEVELOPMENT / MASTER PLANNING
- 250 multifamily residential units, 114 residential townhome units, Starbucks, Wendy's, dental office and strip commercial retail.
- Winter Springs, FL

AVIAN POINTE
RESIDENTIAL SUBDIVISIONS / MASTER PLANNING
- 758 residential units, recreational park with athletic fields, courts, playground and restrooms, public school parcel and 1 mile arterial roadway on 128 acres
- Apopka, FL

PUBLIX SUPERMARKETS
GROCERY
- Design, entitlements and construction of nine (9) Publix anchored shopping center developments.
- Statewide in Florida

WALMART SUPERCENTERS & NEIGHBORHOOD MARKETS
COMMERCIAL RETAIL
- Design, entitlements and construction of ten (10) Walmart developments.
- Statewide in Florida

WHOLE FOODS MARKET
ORGANIC GROCERY
- Orlando, FL
- Winter Park, FL

IKEA
LARGE FORMAT FURNITURE STORE
- Orlando, FL
- Tampa, FL

MULTIFAMILY RESIDENTIAL
MULTIFAMILY RESIDENTIAL
- The Princeton, College Park FL (205 units)
- The Adeline, Maitland FL (237 units)
- Sole, Casselberry FL (320 units)
- The Blake, Winter Springs FL (250 units)
- M North, Orlando FL (288 units)

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



ENVIRONMENTAL
Orlando, Florida
joshua.hirten@NV5.com
407.896.3317

CATEGORIES
Program Management
Project Management
Assessment and Remediation
Project Management Training

EDUCATION

MS in Geology, University of Florida, Gainesville, 1996

BA in Geology, State University of New York, Buffalo, 1993

EXPERIENCE
24 years
2 years at NV5

REGISTRATIONS

Professional Geologist, Florida #2141 (2000)

AFFILIATIONS
Florida Association of Environmental Professionals
METRA
CREW

Joshua Hirten, PG

Senior Environmental Manager

Mr. Hirten has over 24 years of experience in conducting and managing public, private, and federal client environmental projects. His responsibilities have included financial management, client contact, project management, and technical oversight. He has participated and managed numerous large environmental programs. He has developed assessment and remedial documents for numerous contaminated sites in accordance with the state and federal requirements. Additionally, he has completed and managed numerous large portfolios for Phase I/II environmental site assessments.

Mr. Hirten has supervised and performed contamination assessment and remediation projects including preliminary site reconnaissance, soil boring, monitoring well and recovery well installation, monitoring well surveying and sampling, soil sampling, hydrologic testing, underground storage removal, remedial system construction oversight, operation and maintenance of active remedial systems, and report writing. He has led environmental planning and contractor management associated with emergency response efforts for large scale environmental response efforts.

Mr. Hirten has led and supported Business Development efforts for public, private and federal clients. He has developed and conducted Project Management training at over 40 global locations. As Site Manager he led an office of 200+ employees that contained multiple business lines.

Project Experience

SOIL ASSESSMENT AND MANAGEMENT AT OPA-LOCKA AIRPORT

AVIATION | OPA-LOCKA, FLORIDA

Project Manager for soil management and environmental assessment as part of redevelopment activities at the Opa-Locka Airport, Provided management and oversight of soil sampling, Underground Storage Tank Removal, regulatory coordination, transportation oversight, disposal coordination, and reporting.

PORTFOLIO MANAGER FOR ENVIRONMENTAL ASSESSMENT AND REMEDIATION ACTIVITIES

ENERGY & POWER | FLORIDA

Responsible for project management of thirty-two petroleum impacted sites within the state of Florida. Sites were funded through the Florida Preapproval Program, Preapproval Advanced Cleanup Program and direct pay through the Client. Work includes general project management, client interaction, scope development, oversight of field assessment and remedial activities, report preparation and invoicing. Additionally, perform project management tasks such as cash flow forecasting, risk analysis, cost to close estimates, and business plans. ($10M)

CLIENT MANAGER

GOVERNMENT | ORLANDO, FLORIDA

Client Manager for a Continuing Services Contract for a County School Board. Responsibilities included the oversight of assessment activities at various educational facilities. Assessment activities included installation of monitoring wells, collection of soil and groundwater samples, and preparation of various reports for regulatory submittal.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5

CONTINUING ENVIRONMENTAL ENGINEERING DESIGN SERVICES CONTRACT

ENERGY & POWER | ORLANDO, FLORIDA

Program Manager for Orlando Utilities Commission's Continuing Environmental Engineering Design Services contract. Work Orders included environmental permitting, ecological surveys, SPCC planning, preconstruction soil and groundwater sampling, environmental screening, permit reviews, soil disposal oversight and management, asbestos survey and development of bid specifications for contractors. ($2M)

EMERGENCY RESPONSE TASK LEADER

ENERGY & POWER | TAMPA BAY AREA, FLORIDA

Provide environmental planning management of a 33,726 gallon Jet Fuel A pipeline spill along a CSX right of way into the Mango Lake Outfall Canal. Generate planning documents to address the emergency response activities, sampling and monitoring activities associated with the site. Plant City, Florida (2005 –2006): Provide field coordination of a 12,000-gallon diesel fuel pipeline spill along a CSX right of way. Manage all field personnel on site and various subcontractors involved in emergency response activities. Approximately 15,000 tons of petroleum impacted soil removed. Respond to queries by public agencies and local residences.

SUPERFUND SITE ASSESSMENT ACTIVITIES

GOVERNMENT | ORLANDO, FLORIDA

Project geologist for site assessment activities at a former parts cleaning business. Site activities included soil, sediment, groundwater, and surface water sampling, oversight of monitor well installations, lithologic descriptions, soil screening, waste management, and DNAPL investigation. Office activities included preparation of Health and Safety Plan, coordination with local, state and federal agencies, and preparation of lithologic borings.

ASSESSMENT, PLANNING, REMEDIAL, AND ENVIRONMENTAL SUPPORT AT PROPOSED CARVER PARK REDEVELOPMENT PROJECT

GOVERNMENT | ORLANDO, FLORIDA

Responsible for project management of the environmental services associated with the redevelopment of the former Carver Court Housing Development. The property was utilized as a landfill in the 1940's and is situated within a Brownfield's designated area. Work included the collection of soil, sediment, groundwater and surface water for impacts from previous land usage and landfill operations, completion of eight Phase I Environmental Site Assessment Report of the property according to client guidelines, performance of off-site soil borings to evaluate potential migration issues, development of a Remedial Action Plan for the site to address potential residential exposure. Additionally, assist with Community Involvement and Public Meetings, technical support for HUD and the City of Orlando, Site Health and Safety, NPDES permitting and support for construction dewatering, aid in the development of deed restrictions and institutional controls for the final end use of the property (single / multi-family). ($1.5M)

CO-MINGLED PETROLEUM ASSESSMENT AND REMEDIATION

ENERGY & POWER | ORLANDO, FLORIDA

Project Manager for assessment and remedial activities for properties that were historically operated as retail gasoline stations. These sites are managed as a cluster site under the FDEP Preapproval Cleanup Program. Work has included on-site and off-site soil and groundwater assessment activities utilizing conventional, sonic and direct-push drilling, mobile laboratory services, and membrane interface probe coupled with an electric conductivity meter. Additionally, complete coordination with off-site property owners to secure access agreements, obtain Right-of-Way Permits to perform work along State Road 50 and City roadways, preparation of comprehensive sampling plans, and site assessment reports. Coordination of remedial design with the FDEP, site owners, lawyers, and architects as the property is being redeveloped for commercial use. ($1.5M)

FIELD MANAGER FOR INDUSTRIAL PROPERTY TRANSACTION

HOSPITALITY & LEISURE | ORLANDO, FLORIDA

Responsible for geotechnical engineering activities at a proposed multi-use commercial development. Performed coordination of several drilling teams, delineation of organic soil deposits, installation of multiple cased monitor wells, and soil screening with an OVA with lithologic description.

DUE DILIGENCE SERVICES

INDUSTRIAL | FLORIDA

Responsible for Phase I/II ESAs on over twenty telecommunication tower properties, work included field activities, record review, regulatory agency communications, report preparation and FCC checklist preparation.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes



CQA | FORENSICS
Miami Lakes, FL
harold.tanenbaum@NV5.com
786.490.2513

CATEGORIES
Architectural Design
Project Management
Forensics
Building Envelope Consulting
Code Compliance
Construction Documents
Construction Administration
Lighting Design

EDUCATION
Master of Architecture, University of Michigan

Bachelor of Design, University of Florida

EXPERIENCE
30+ years | 8 at NV5

REGISTRATIONS
State of Florida Architect # AR0009896

AFFILIATIONS
American Institute of Architects

LEED AP (United States Green Building Council)

HAROLD TANENBAUM, RA, AIA

Forensic Architect/Senior Project Manager

Mr. Tanenbaum is a Registered Architect with more than 30 years of experience in the fields of architecture, design, code compliance, materials and envelope consulting. Mr. Tanenbaum has served as Project Manager for many high-rise and large-scale projects in South Florida. Mr. Tanenbaum has substantial hands-on construction administration field experience.

Project Experience

Brickell City Centre, Miami, FL – Project Manager, provided review of architectural, MEP and structural drawings for code compliance and performed field inspections to $1 Billion Brickell Citicentre project in Miami, Florida. This Project spans three city blocks in downtown Miami. NV5 conducts the quality control testing for the simultaneous construction of multiple 20 to 45 level structures and general site development.

MM Middle School (East Zone) – **School District of Lee County** - Quality Assurance and Quality Control (QA/QC) - NV5 is providing Building Official Services for this campus with approximately 1,200 student stations and a school opening date of August 2021.

Amazon Distribution Center, Opa-Locka, FL – Division Manager for one million SF office warehouse.

4 West Las Olas, Fort Lauderdale, FL – Division Manager, 25 story residential tower

CocoWalk, Coconut Grove, FL – Division Manager, Mixed Use renovation and expansion project.

UM Proton Center, Miami, FL – Division Manager, proton “bunker” addition to the University of Miami Hospital.

The Mansions @ Acqualina, Sunny Isles, FL – Project Manager, Building Envelope consulting for 47-story high-rise condominium.

The Miami Beach Edition Seville Hotel, Miami Beach, FL – Project Manager., Building Envelope consulting for 250 key hotel historic renovations.

The Continuum, South Beach, FL– Project Manager for an $105 million, 40-story condominium, townhouses and health spa. Led team of twelve through Design Development, Construction Documents, Permitting and Construction Administration. Worked extensively with City of Miami Beach Building and Fire Departments. Interior design build-out for three-story 15,000sf Health Center.

Giralda Complex, Coral Gables, FL – Project Manager for a 7 story office building renovation and bank tenant improvement. Construction Administrator, Building Department and Permitting.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Viscayne (Everglades on the Bay), Downtown Miami, FL – Project Manager of a $225 million, two 50-story towers and pool deck atop seven story pedestal with retail liner. Responsible for Design Development, Construction Documents and Construction Administration.

Capital at Brickell, Miami, FL – Project Manager for a $300 million, 52-story hotel/office tower and 56-story residential tower on 13 story pedestal with retail and office liners. Responsible for Design Development and Construction Documents.

Ocean Palms condominium, Hollywood, FL – Project Manager for a 38 story residential tower on Atlantic Ocean. Responsible for Design Development, Construction Documents, Permitting and Construction Administration.

The Shops at Sunset Place, South Miami, FL – Project Manager for a $200 million, 700,000 SF mixed-use entertainment center. Responsible for Design development, construction documents and construction administration. Redesigned building to accommodate GameWorks entertainment center.

Forensic Engineering Experience

Forensic engineering and expert witness for developer as defendant over alleged construction defects related to doors and windows and interior water damage in **200 unit condominium in Palm Beach Gardens, Florida.**

Forensic engineering and expert report for window manufacturer as defendant over alleged construction defects related to doors and windows manufacture and interior water damage in a **38-story residential tower in Jacksonville, Florida.**

Forensic engineering and expert report for **Religious Institution** as Plaintiff brought against contractors over construction defects in Florida City, Florida.

Litigation support for window manufacturer against alleged defects causing water intrusion into a **high-rise apartment building.**

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



MECHANICAL
Charlotte, NC
michael.rogers@nv5.com
704.377.3930

EDUCATION
Clemson University
MS, Mechanical Engineering

Clemson University
BS, Mechanical Engineering

EXPERIENCE
31 years

EXPERIENCE AT NV5
2 years

REGISTRATIONS
Registered Professional Engineer in FL #78734

Also registered in DE, GA, NC, NY, OK, SC, TX, VA and WV

LEED Accredited Professional

AFFILIATIONS
Health Facility Design Professional Certification (HFDP)

MICHAEL ROGERS, PE, LEED AP, HFDP

Vice President

Michael is an NV5 Vice President and leads our Charlotte, NC office. With 31 years of experience, Michael is a decisive, energetic, focused professional with an impressive combination of project management skills and engineering qualifications. His 30+ years of expertise includes value engineering, construction administration, project scheduling and budgeting, and procurement, with a focus on the healthcare, academic, commercial, government (federal, state and local), and energy sectors. Michael firmly believes in and strives for quality and performance improvement through the implementation of cutting-edge processes. Michael is a registered Professional Engineer (PE) in 9 U.S. states, a LEED Accredited Professional (LEED AP), and Certified Health Facility Design Professional (HFDP).

Project Experience

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
TERMINAL LOBBY EXPANSION (TLE)
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
ELEVATED ROADWAY CANOPY
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
NEW CENTRAL ENERGY PLANT (CEP)
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
CAMPUS WATER DISTRIBUTION DESIGN
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
HVAC DESIGN SERVICES FOR E CONCOURSE GATE AREAS
Charlotte, NC

RICHMOND INTERNATIONAL AIRPORT
RAC CONNECTOR PROJECT, PHASE 1 - RENTAL CAR COUNTER
Richmond, VA

RICHMOND INTERNATIONAL AIRPORT
AMERICAN AIRLINES, OPERATION SPACE FIT-UP
Richmond, VA

MORGANTON DOT*
MAINTENANCE FACILITY
Morganton, NC

MORGANTON NATIONAL GUARD*
VEHICLE MAINTENANCE BAY
Morganton, NC

**completed while at a prior firm*

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



WILLIAM FOX, PE, LEED AP, CDT

Electrical Department Head

As Charlotte's Electrical Department Head, Bill is highly experienced with all facets of electrical system design including distribution, site lighting, and electrical infrastructure. His electrical projects have involved drawings, specifications, cost estimates, design calculations and coordination between disciplines. Bill's broad range of project experience includes work in the healthcare, K-12 schools, and higher education market sectors.

ELECTRICAL
Charlotte, NC
bill.fox@nv5.com
704.377.3935

EDUCATION
North Carolina State University
BS, Electrical Engineering

EXPERIENCE
33 years

EXPERIENCE AT NV5
2 years

REGISTRATIONS
Registered Professional Engineer in FL #79166

Also registered in GA, NC, OK, SC, TN, TX VA, WV

LEED Accredited Professional

CDT (Construction Document Technology)

Project Experience

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
TERMINAL LOBBY EXPANSION (TLE)
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
NEW CENTRAL ENERGY PLANT
Charlotte, NC

RICHMOND INTERNATIONAL AIRPORT
PHASE 1 CONCOURSE A EXTENSION
Richmond, VA

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
ELEVATED ROADWAY CANOPY
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
CAMPUS WATER DISTRIBUTION DESIGN
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
HVAC DESIGN SERVICES FOR E CONCOURSE GATE AREAS
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
ATRIUM LIFE SAFETY
Charlotte, NC

AMERICAN AIRLINES
OPERATION SPACE FIT-UP, RICHMOND AIRPORT
Richmond, VA

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



MECHANICAL
Charlotte, NC
keith.connor@nv5.com
704.285.6193

EDUCATION
Central Piedmont Community College, AS, Fire Science Technology

EXPERIENCE
39 years

EXPERIENCE AT NV5
2 years

AFFILIATIONS
American Society of Plumbing Engineers (ASPE)

American Society of Sanitary Engineering (ASSE)
(6020 - Medical Gas Systems Inspector)

KEITH CONNOR

Senior Plumbing | Fire Protection Designer

Keith Connor has over 39 years of experience in healthcare, fire protection and plumbing design. His experience includes a various array of industries including healthcare, education, and veterans administration facilities. He has maintained a director position and has provided meticulous design work through AUTOCAD and REVIT for numerous clients. His senior level experience and collaborative mindset has allowed him to bring a depth of valuable skill-sets to contractors and state government review agencies. These skills include plumbing designs for construction, medical gas, and tank farm systems. He has implemented a multitude of project team integrations and strives to provide the utmost quality and efficiency for every client.

Project Experience

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
NEW CENTRAL ENERGY PLANT
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
TERMINAL LOBBY EXPANSION (TLE)
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
CAMPUS WATER DISTRIBUTION DESIGN
Charlotte, NC

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
ELEVATED ROADWAY CANOPY
Charlotte, NC

RICHMOND INTERNATIONAL AIRPORT
RAC CONNECTOR PROJECT, PHASE 1 - RENTAL CAR COUNTER
Richmond, VA

AMERICAN AIRLINES
OPERATION SPACE FIT-UP, RICHMOND INTERNATIONAL AIRPORT
Richmond, VA

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT (CLT)
HVAC DESIGN SERVICES FOR E CONCOURSE GATE AREAS
Charlotte, NC

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



COMMISSIONING
Arlington, VA
William.Hillard@NV5.com
703.516.2930

EDUCATION
BS, Electrical Engineering, Michigan Technological University

EXPERIENCE
32 years

EXPERIENCE AT NV5
20 years

WILLIAM HILLARD

Senior Commissioning Engineer

William has been active in installation, repair, operation/maintenance, and field verification testing of industrial plant and utility electrical equipment for more than 32 years. His experience includes electrical system commissioning, electrical generation, distribution system maintenance and emergency repairs, system troubleshooting, utility interconnections and agreements, industrial plant design, and capital planning.

His experience has refined his ability to commission electrical projects that include normal and emergency power transmission and distribution systems for on-site generation and uninterruptible power supply systems. He brings strong technical understanding combined with the ability to work within a team environment to lead the successful commissioning of complex projects.

Project Experience

MAYNARD HOLBROOK JACKSON JR. INTERNATIONAL TERMINAL HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT
COMMISSIONING - ELECTRICAL ENGINEER
Atlanta, GA

NEW AIRPORT TERMINAL & EXPANSION HORRY COUNTY, MYRTLE BEACH
COMMISSIONING - ELECTRICAL ENGINEER
Myrtle Beach, SC

TERMINAL D COMMISSIONING DALLAS/FORT WORTH INTERNATIONAL AIRPORT
COMMISSIONING - ELECTRICAL ENGINEER
Dallas/Fort Worth, TX

A220 FAL AND LOGISTICS CENTER EXPANSION COMMISSIONING AIRBUS
COMMISSIONING - ELECTRICAL ENGINEER
Mobile, AL

TERMINAL MODERNIZATION KANSAS CITY INTERNATIONAL AIRPORT
COMMISSIONING - ELECTRICAL ENGINEER
Kansas City, MO

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



COMMISSIONING
Chicago, IL
Jason.Newhuis@NV5.com
312.241.1025

EDUCATION
BS, Mechanical Engineering, Purdue University

EXPERIENCE
22 years

EXPERIENCE AT NV5
16 years

REGISTRATIONS
Registered Professional Engineer, Mechanical: IL, IN, MI, WI, NCEES

Certified Energy Manager (CEM)

NEBB – Building Systems Commissioning Certified Professional (BSCx)

USGBC – LEED Accredited Professional

Certified Demand Side Management Professional (CDSM)

Green Building Engineer (GBE)

EPA 608/609 Universal Certification

AFFILIATIONS
National Environmental Balancing Bureau (NEBB)

Healthcare Engineering Society of Northern Illinois (HESNI)

JASON NEWHUIS, PE, BSCx, CEM, CDSM, GBE, LEED AP, NEBB CP

Mechanical Commissioning

Jason has been providing technical solutions for the past 19 years. Over the last 13 years with NV5, he has focused and refined his skillset in project management, total building commissioning, retro-commissioning, systems analysis, energy conservation, and operations troubleshooting and optimization.

His experience includes more than seven years as an HVAC service technician, providing invaluable hands-on experience to support his role. Jason is a dedicated professional with a proven track record managing projects expertly and efficiently while bringing a unique skillset to executing technical work with his mix of engineering and technician service experience.

Jason has served as both a technical lead and project manager on aviation and transportation projects servicing large developments like Atlanta, O'Hare, Indianapolis, and smaller airports like Panama City and Myrtle Beach. He is NEBB certified in Building Systems Commissioning and design-build projects.

Project Experience

MAYNARD HOLBROOK JACKSON JR. INTERNATIONAL TERMINAL HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT
COMMISSIONING - MECHANICAL ENGINEER
Atlanta, GA

PANAMA CITY-BAY COUNTY AIRPORT & INDUSTRIAL DISTRICT PANAMA CITY-BAY COUNTY AIRPORT
COMMISSIONING - PROJECT MANAGER
Panama City, FL

MYRTLE BEACH INTERNATIONAL AIRPORT – TERMINAL CAPACITY ENHANCEMENT PROGRAM HORRY COUNTY DEPARTMENT OF AIRPORTS
COMMISSIONING - COMMISSIONING ENGINEER
Myrtle Beach, SC

TERMINAL MODERNIZATION KANSAS CITY INTERNATIONAL
COMMISSIONING - PROJECT MANAGER
Kansas City, MO

INDIANAPOLIS AIRPORT NEW MIDFIELD TERMINAL INDIANAPOLIS AIRPORT AUTHORITY
COMMISSIONING - COMMISSIONING ENGINEER
Indianapolis, IN

JOINT FORCES HEADQUARTERS NEBRASKA ARMY NATIONAL GUARD AT LNK AIRPORT
COMMISSIONING - LEAD TECHNICAL ENGINEER
Lincoln, NE

O'HARE AIRPORT NE CARGO FACILITY AEROTERM
COMMISSIONING - PROJECT MANAGER
Chicago, IL

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



BTS | PROGRAM MANAGEMENT
Solon, OH
Dan.Sexton@NV5.com
330. 217.2918

EDUCATION
B.S., Civil Engineering, University of Hartford, CT

EXPERIENCE
25 years

YEARS WITH FIRM
3 years

CERTIFICATIONS
LEED® AP

DAN SEXTON, LEED® AP

Senior Project Manager

Dan is a Senior Estimator with 25 years of cost estimating and project management experience in a wide range of public and private market sectors, inclusive of transportation, municipal, office, retail, and mixed-use. Dan's strengths include development of accurate and thorough estimates, proactive and swift resolution of unanticipated project changes, clear communication and dissemination of pertinent project information with all affected parties, and maintaining effective relationships with all project team members. In 2018 he was responsible for preconstruction management and estimating of projects with a total value of $101 million, and delivered all with an aggregate average budget variance of -1.80%.

Project Experience

ORANGE COUNTY CONVENTION CENTER PHASE V EXPANSION
ORANGE COUNTY
Orlando, FL

ARMY AVIATION SUPPORT FACILITY
ADJUTANT GENERAL'S DEPARTMENT
North Canton, OH

UTILITIES INFRASTRUCTURE AND CENTRAL PLANT FACILITIES PROJECTS
TARRANT COUNTY COLLEGE
Fort Worth, TX

WATERVIEW 40-YEAR CERTIFICATION
WCA
Aventura, FL

IDIQ COST CONSULTING SERVICES
COLORADO DEPARTMENT OF TRANSPORTATION
Denver, CO

FACILITY CONDITION ASSESSMENTS
CITY AND COUNTY OF DENVER
Denver, CO

HARRISBURG MILITARY POST
PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES
Harrisburg, PA

SARTA GATEWAY FACILITY EXPANSION
STARK AREA REGIONAL TRANSPORTATION AUTHORITY
Canton, OH

GEAUGA COUNTY ADMINISTRATION BUILDING
GEAUGA COUNTY COMMISSIONERS
Chardon Township, OH

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



STRUCTURAL ENGINEERING
Charlotte, NC
michael.baer@NV5.com
704.566.4303

EDUCATION
B.S., Architectural Engineering, Structures, The Pennsylvania State University, 1998

EXPERIENCE
Total: 23 years, Firm: 13

REGISTRATIONS
Professional Engineer: FL (#71212), NC, CT, GA, MD, NY, MO, RI, SC, TN, VA

LEED Accredited Professional

MICHAEL BAER, PE, LEED AP

Structural Project Manager

Michael has over 23 years of progressively responsible experience in engineering design, structural project management, construction management, and client relationship development in the building industry. He combines excellent technical, analytical, problem solving, and engineering qualifications with practical construction detailing. Michael's work was recognized with the 2014 ACEC Grand Conceptor award for structural engineering of the University of North Carolina at Chapel Hill's Marsico Hall in Chapel Hill, NC. He was also named a 2015 Zweig Rising Star in engineering.

Project Experience

RDU INTERNATIONAL AIRPORT FACILITY CONDITION ASSESSMENTS
RALEIGH, NC | RALEIGH-DURHAM AIRPORT AUTHORITY

WELLINGTON REGIONAL MEDICAL CENTER
WELLINGTON, FL | HIGH WIND

POMPANO BUILDING C
POMPANO BEACH, FL | HIGH WIND

PALMDALE MEDICAL CENTER
PALMDALE, CA | HIGH SEISMIC

NASCAR PLAZA
CHARLOTTE, NC | NASCAR

MAINTENANCE AND PASSENGER BUILDINGS
GREENSBORO, NC | PIEDMONT AREA RAPID TRANSIT

MAINTENANCE/OPERATIONS TRANSIT FACILITY AND ADMINISTRATIVE OFFICES
GREENSBORO, NC | GREENSBORO TRANSIT AUTHORITY

RALEIGH UNION STATION
RALEIGH, NC | CITY OF RALEIGH, NCDOT

GARRISON AT GRAHAM
CHARLOTTE, NC | HIGH RISE

UNC CHAPEL HILL, MARSICO HALL
CHAPEL HILL, NC | HIGH RISE

INLAND VALLEY MEDICAL CENTER CCU ADDITION
WILDOMAR, CA | SEISMIC

GREENSBORO SCIENCE CENTER
GREENSBORO, NC

WAKEMED HEART TOWER AND CHILDREN'S HOSPITAL
RALEIGH, NC | HIGH RISE

GREENVILLE OFFICE BUILDING
GREENVILLE, SC | HIGH RISE

ASHEVILLE FOUNDRY INN ASSESSMENT
ASHEVILLE, NC | HILTON CURIO COLLECTION

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



CHRISTOPHER CATE, EI

Senior Transportation Analyst

Chris's work history includes involvement in traffic operations studies and design work for the Florida Department of Transportation, various County Governments, and private sector clients throughout the State of Florida. Chris has experience in numerous traffic operation design projects that include roadway lighting, signalization, signing & pavement marking, intelligent transportation systems, maintenance of traffic (traffic control plans), and minor roadway improvements.

TRAFFIC ENGINEERING
Roswell, GA
chris.cate@NV5.com
678.795.3658

EDUCATION
B.S., Civil Engineering,
Northeastern University, 2001

EXPERIENCE
Total: 20 years, Firm: 1

REGISTRATIONS
Engineering Intern
FL Board of Professional
Engineers #1100010038

Project Experience

FDOT, DISTRICT 5, SR 507 AT SR 514 INTERSECTION IMPROVEMENTS
FDOT | BREVARD COUNTY, FL

NARCOOSSEE ROAD AND CYRILS DRIVE DEVELOPMENT
CITY OF ST. CLOUD | ST. CLOUD, FL

WEST TOWN PARKWAY
CITY OF ALTAMONTE SPRINGS | ALTAMONTE SPRINGS, FL

FDOT, DISTRICT 1, SR 739 (METRO PARKWAY) FROM DANIELS PARKWAY TO SIX MILE CYPRESS PARKWAY
FDOT | LEE COUNTY, FL

FDOT, DISTRICT 5, I-95 FROM NORTH OF SR 50 TO NORTH OF SR 46
FDOT | BREVARD COUNTY, FL

FDOT, CENTRAL FLORIDA EXPRESSWAY AUTHORITY, SR 408 WIDENING PROJECT 253D
FDOT | ORANGE COUNTY, FL

FDOT, CENTRAL FLORIDA EXPRESSWAY AUTHORITY, SR 429 AT CR 437A INTERCHANGE
FDOT | ORANGE COUNTY, FL

FDOT, DISTRICT 5, US 17-92 WIDENING FROM NORTH OF SR 414 TO LAKE OF THE WOODS BOULEVARD
SEMINOLE COUNTY, FL

FDOT, DISTRICT 5, I-4/OSCEOLA PARKWAY BRAIDED EASTBOUND EXIT RAMP
ORANGE COUNTY, FL

PAN AM SOUTHERN, CAPITAL DISTRICT INTERMODAL AND AUTOMOTIVE FACILITY
PAN AM SOUTHERN | MECHANICVILLE AND HALFMOON, NY

DJW8
CONFIDENTIAL CLIENT | CATHEDRAL CITY, CA

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



IT/TELECOM & SECURITY | ENGINEERING & TECHNOLOGY
Pittsburgh, PA
paul.dooley@nv5.com
412.301.4220

EDUCATION
Robert Morris University,
BS Business Administration,
Management Information Systems

EXPERIENCE
19 years with NV5 | 35 years total

REGISTRATIONS
Registered Communications Distribution Designer (RCDD) by BICSI, the highest level of certification in the telecommunications industry

Certified Technology Specialist (CTS) by AVIXA

AFFILIATIONS
Audiovisual and Integrated Experience Association (AVIXA)

Building and Industry Consulting Services International (BICSI)

BICSI RCDD Standards Committee Member

Projects may have been done as The Sextant Group, which rebranded to NV5 in 2020.

PAUL DOOLEY RCDD, CTS

Principal Consultant

Information Technology has been in his blood since the beginning. Launching his career in operations and management for an independent telephone company, Paul has been immersed in the evolution of voice, data and video cabling for over 30 years. As a respected technology leader, Paul's ability to create innovative and sustainable solutions through his unparalleled experience with structured cabling and network electronics networks sets him apart in the telecommunications industry. Today, Paul oversees a team of RCDD-credited systems designers across the US planning complex infrastructure for renowned universities, corporations and institutions.

Project Experience

PITTSBURGH INTERNATIONAL AIRPORT
BAGGAGE SCREENING AREA
Pittsburgh, PA

CITY OF DEARBORN
JOHN D. DINGELL TRANSIT CENTER
Dearborn, MI

DURHAM COUNTY HUMAN SERVICES
NEW GOVERNMENT COMPLEX
Durham, NC

GSA LAREDO
US LAND PORTS OF ENTRY PROCESSING FACILITY
Laredo, TX

WEST VIRGINIA STATE CAPITOL
HISTORIC RENOVATION
Charleston, WV

CITY OF NORFOLK
SLOVER LIBRARY
Norfolk, VA

PITTSBURGH INTERNATIONAL AIRPORT
PASSENGER CHECK-IN SECURITY SCREENING AREA
Pittsburgh, PA

CITY OF PHOENIX
SOUTH TRANSIT FACILITY REFURBISHMENT
Phoenix, AZ

CITY OF DETROIT
PUBLIC SAFETY HEADQUARTERS
Detroit, MI

STATE OF OKLAHOMA
CAPITOL BUILDING RENOVATION
Oklahoma City, OK

US NAVY AIR STATION SQUADRON MAINTENANCE TRAINING FACILITY
TECHNOLOGY UPGRADES
Fallon, NV

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

NV5



IT/TELECOM | ENGINEERING & TECHNOLOGY
Las Vegas, NV
brian.wagner@nv5.com
702.362.9200

EDUCATION
College of Southern Nevada
Electrical Engineering Technology

EXPERIENCE
3 years with NV5 | 21 years total

REGISTRATIONS
Registered Communications Distribution Designer (RCDD) by BICSI, the highest level of certification in the telecommunications industry

Project Management Professional (PMP)

AFFILIATIONS
Building Industry Consulting Services International (BICSI)

Project Management Institute

BRIAN WAGNER, RCDD, PMP

Director of Telecommunications (ICT)

Brian Wagner has over 21 years' experience in the Telecommunications industry. Throughout Mr. Wagner's career, he has held several roles within Telecommunications such as a Telecommunications designer and project manager as well as leading design and project management teams. One of Mr. Wagner's most notable recent projects was as a project/program manager for a very large data and Wi-Fi project. Over the course of just two years, the team designed and installed over 40,000 wireless access points throughout the casino, back of house, meeting / convention, pool, and guestrooms within multiple properties across the United States. Brian is noted by his peers as possessing a high attention to detail, and being very thorough.

Project Experience

MCCARRAN INTERNATIONAL AIRPORT
TERMINAL 1 RENOVATIONS
Las Vegas, NV

ADA COUNTY
CORONER'S OFFICE
Boise, ID

WYNN SOUTH CONVENTION EXPANSION
CONVENTION CENTER, FOOD, & RETAIL
Las Vegas, NV

WESTFIELD VALENCIA TOWN CENTER
RETAIL SHOPPING CENTER
Valencia, CA

HYATT HOUSE HOTEL
HOTEL & CONVENTION CENTER
Los Angeles, CA

BUREAU OF RECLAMATION
ADMIN BUILDING
Boulder City, NV

REGIONAL JUSTICE CENTER
CITY COURTHOUSE
Las Vegas, NV

CACHE CREEK CASINO RESORT
CASINO & CONVENTION CENTER
Brooks, CA

GREEN VALLEY RANCH *
RESORT & CASINO WITH CONVENTION CENTER
Henderson, NV

TROPICANA CONVENTION CENTER *
CONVENTION CENTER EXPANSION
Las Vegas, NV

LAS VEGAS CONVENTION CENTER *
WI-FI UPGRADE
Las Vegas, NV

**Projects completed prior to joining NV5*

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

RESUME

Name: Joseph Simhon, P.E.

Education:
2008 – Univ. of Central Florida – BSBA Business Mgmt. – Orlando, FL
2012 – Florida Atlantic University – BSCE Civil Engg. – Boca Raton, FL

Certifications:
Florida Professional Engineer Registration No. 86388
Certified General Contractor, CGC # 1520177

Work Experience:

2006 - 2009 Drafting & Design
Nohmis Design, Orlando, FL

2009 - 2010 AutoCAD Drafter / Engineering Intern
Covenant Engineering, Inc. Davie, FL

2009 - 2011 Project / Construction Manager
Lancaster Home & Construction Services, Inc., Miami, FL

2012 - 2012 Lab Technician / Summer Engineering Intern
Quest Engineering Services & Testing, Inc., Pompano Beach, FL

- Laboratory Concrete Tests
- Laboratory Soil Tests
- Gravimetric Tests on Roof Samples

2014 - 2014 Inspector / Field Engineer
Quest Engineering Services & Testing, Inc., Pompano Beach, FL

- Forensic investigations of property damage and report preparation.

2011 - 2016 General Contractor / Project Manager
Nohmis Construction, Hallandale, FL

- Structural Design of 3 Story Single Family Residence, under the guidance of Mr. Paul Orr, P.E., of Nutek Engineering 305-725-1991
- General Interior Renovations with minor structural and MEP modifications, under the guidance of Mr. Harvey H. Ehrlich, R.A.

2016 - Present Field Inspector & Project Engineer
Quest Engineering Services & Testing, Inc., Pompano Beach, FL

- FLL Terminal 1 Expansion, Ft. Lauderdale Int'l Airport
- Tropic Oil, West Palm Beach, FL

Joseph Simhon has nearly 10 years of experience in the realm of drafting, structural design, materials testing, structural inspections and construction management. Joseph's focus in college was in civil and structural engineering. He is familiar with the Florida Building Code and local industry practices for concrete, steel and wood construction.

QuEST

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

RESUME

Name: R. N. Sailappan, P.E.

Education: B.S. (Naval Architecture), Cochin University of Science & Technology, Cochin, India, 1986
M.S. (Civil Engineering), Florida Atlantic University, Boca Raton, FL, 1991

Licenses: Professional Engineer, Registered in the State of Florida, 1993

Associations: Member, American Society for Testing of Materials (ASTM), 2010
Member, American Society of Civil Engineers (ASCE), 1994
Member (Former), Institution of Naval Architects (INA), India, 1987

Work Experience:

1998 - Present	Principal Quest Engineering Services & Testing, Inc. Pompano Beach, Florida.
1990 - 1998	Engineer & Manager Professional Service Industries, Inc. West Palm Beach, Ft. Lauderdale, Miami, FL
1988 - 1990	Graduate Research Assistant Dept. of Ocean Engineering, Florida Atlantic University Boca Raton, Florida
1986 - 1988	Naval Architect Mazagon Dock Ltd., Mumbai (Bombay), India

Relevant Skills: Geotechnical Studies and Foundation Design Recommendations
Foundation Installation Inspections & Pile Load Tests
Field and Laboratory Tests on Soil, Concrete, Masonry, Asphalt
Structural (Special/Threshold) Inspections
Environmental Site Assessments
Project Management, Marketing, Business Development

Relevant Projects: Miramar East Water Treatment Plant, Miramar, FL
Sawgrass Water Treatment Plant, Sunrise, FL
North Broward Waste Water Treatment Plant, Pompano Beach, FL
Utility Improvements, City of Sunrise, FL
Miami-Dade Water & Sewer Utility Improvements, Dade County, FL
Ft. Lauderdale/Hollywood International Airport, Ft. Lauderdale, FL

Publications

D. V. Reddy and R. N. Sailappan, "Acoustic Emission as a NDE Tool - Certain Laboratory and Field Investigations", December 1989.

D. V. Reddy, S. K. Lee, R. N. Sailappan, W. H. Hartt & M. Arockiasamy, "Fracture Mechanics Evaluation of the Durability of Fly Ash Concrete", December, 1991.

D. V. Reddy, S. K. Lee, R. N. Sailappan, W. Ahn, G. V. Jeedigunta, and K. P. Bethune, "Corrosion Resistance and Fracture Toughness of High Performance Concrete in the Marine Environment", May-June 1998.

Mr. Sailappan has over 30 years of engineering industry experience, with 28 of those years being in South Florida. He has worked on hundreds of projects such as roadways, utilities, public facilities, commercial projects, residential projects, stadiums and arenas, providing construction materials testing, geotechnical engineering, structural inspections, wind load evaluations as well as engineering consultations with regard to roofing, ground vibrations, light and sound analysis.

QuEST

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

RESUME

Name: Reza Javidan, P.E.

Education: B.S. (Civil Engineering), University of Detroit, MI, 1986
M.S. (Civil Engineering), University of Detroit, MI 1988

Licenses: Professional Engineer, Registered in the State of Florida, 2003

Work Experience:

2015 - Present	Project Engineer Quest Engineering Services & Testing, Inc. Pompano Beach, Florida.
2009 - 2015	Project Engineer Florida Engineering & Testing, Inc. Pompano Beach, Florida.
2004 - 2009	Senior Geotechnical Engineer Nutting Engineering of Florida Boynton Beach, Florida
2000 - 2004	Geotechnical Engineer ATC, Inc., Miami, Florida
1993 - 2000	Geotechnical Engineer Toos-Ab Engineering, Inc., Mashad, Iran.
1989 - 1993	Project Engineer Bowser-Morner Associates, Inc., Toledo, Oh

Relevant Skills:
Geotechnical Studies and Foundation Design Recommendations
Foundation Installation Inspections & Pile Load Tests
Field and Laboratory Tests on Soil, Concrete, Masonry, Asphalt
Structural (Special) Inspections
Project Management

Relevant Projects:
Trump Plaza, Hallandale Beach, FL
Office Max Headquarter Building, Boca Raton, FL
State School QQQ, Miami, FL
Sunset Lakes Elementary School, Miramar, FL
BCC-Central Campus, Proposed Parking Garage, Davie, FL
North Broward Waste Water Treatment Plant, Pompano Beach, FL
Broward County Fire Rescue – Station 34, North Lauderdale, FL
Ft. Lauderdale/Hollywood International Airport, Ft. Lauderdale, FL

Mr. Javidan has over 30 years of engineering industry experience of which over 17 years have been in South Florida. He has worked on hundreds of projects such as roadways, utilities, public facilities, commercial projects, residential projects, providing construction materials testing, geotechnical engineering, structural inspections, wind load evaluations as well as engineering consultations with regard to roofing and ground vibrations.

QuEST

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Sri S. Sritharan, P.E. — Principal-in-Charge



Education

Vanderbilt University, 1990
M.S. in Structural Engineering

Indian Institute of Technology, 1988
B.S. in Civil Engineering

Licenses

Professional Engineer
Florida – 51133
New York – 093081-1

Special Inspector
Florida – 2025

Professional Affiliations

(SEI) Structural Engineering Institute
(ASCE) American Society of Civil Engineers
(AISC) American Institute of Steel Construction

Mr. Sritharan has been involved in structural engineering design, construction administration of buildings and project management for over 25 years. He has experience in nearly all types of building materials and structural framing systems used in construction today and in the past century. He has completed over two thousand projects of small additions costing few thousands to airport terminals and medium rise buildings costing over $150 million. He is the founder and principal of S&F Engineers, Inc., his responsibilities include project management, quality control of engineering products and marketing engineering services.
Mr. Sritharan was responsible for the modernization of cruise Terminals 4 and 25 at Port Everglades which is one of South Florida's foremost economic centers, as it is the gateway for both international trade and cruise vacations.
He also completed and is currently involved in numerous projects at the Fort Lauderdale/Hollywood International Airport like the $330 million phased replacement of the concourse area of Terminal 4 and the reconfiguration and expansion of the Federal Inspection Services (FIS) Facility.

Relevant Project Experience

Broward County Aviation Department, Terminal 4 Gate Replacement - Western Expansion, Fort Lauderdale, FL
Mr. Sritharan served as Engineer-of-Record for this project. S&F Engineers, Inc. is provided structural engineering design services. The project included developing design for complete replacement of the existing terminal with a new 14 gate concourse with a new 730 ft long connector bridge to Terminal 3 and development of construction documents for the Western Expansion that cost over $140 Million.

Broward County Aviation Department, Terminal 4 Gate Replacement - Eastern Expansion, Fort Lauderdale, FL
Mr. Sritharan is serving as the Engineer-of-Record for this two-phase construction project that is expected to cost over $100 Million. The project will add eight new international gates, offices for the aviation department and FIS corridors and screening facility. Existing concourse will be in operation during first phase of this project and will be demolished before the second phase. The requirements to keep the busy airport in continuous operation greatly added to the complexity to the design. The first gates opened in December of 2017. The phase 2 of the project is currently under construction and nearing completion.

Broward County Aviation Department, Terminal 3 Security Checkpoint Expansion, Fort Lauderdale, FL
S&F Engineers, Inc. provided design and special inspection services for this project with Mr. Sritharan serving as the Project Manager. The project involved relocating four escalators and two stairs, in addition to replacing two elevators to accommodate the expansion of the Security Checkpoint and queuing at the terminal.

Broward County Aviation Department, Terminal 4, Re-Check Facility, Fort Lauderdale, FL
A new recheck facility was designed and constructed in an ultra-fast-track schedule when Spirit Airline expanded its operations at the airport and needed a facility within 5 months. Working closely with the design team, contractor, airline and the aviation department, the structural design team led by Mr. Sritharan designed and prepared drawings within weeks to start foundation work. The construction was completed on time and met the client's expectations.

Broward County Aviation Department, Terminal 4 FIS Expansion, Fort Lauderdale, FL
Mr. Sritharan designed and serves as the Engineer-of-Record for this complex, phased expansion of the Federal Inspection Services. This $181 million project is being constructed in three main phases and a total of eight (8) sub-phases with an expected completion in late 2021. Concurrent construction of the Terminal 4 Gate Replacement and a functioning Customs and Border Protection operation in the building adds to the complexity of the project.

Delaware North Companies; Restaurants and Support Facilities in Fort Lauderdale/Hollywood Intl. Airport Terminals, FL
Mr. Sritharan has served as engineer and project manager for over fifteen restaurant fit-out and remodeling projects in all four terminals at the airport. The work includes structural analysis of the floor and roof framing to support kitchen equipment, roof top air conditioning units, walk-in freezers, beverage dispensers, modification of structural framing and inspection of the structural work. Projects included Bokamper's restaurant, Golden Bear restaurant, Shula Berger, Star Bucks, Red Stripe, Blue Bar, Desano's Pizza, Burger King, Canyon Southwest Grill, Miami Sub, Villa Fresh, among others.

Broward County Aviation Department ,Concourse B & C Glazing Replacement, Fort Lauderdale, FL
This project involves replacing damaged and undamaged exterior glazing at Concourses B&C. The original impact resistant glazing had been damaged due to deterioration of the inter-layer hardening and from hurricane Irma. The replacement work is underway and is expected to be completed in late 2020.

Broward County Board of County Commissioners, Terminal 4 Remodeling at Port Everglades, Hollywood, FL
Mr. Sritharan served as project manager for this $19 million project that includes major renovation of the terminal to allow simultaneous embarkation and dis-embarkation of the cruise passengers. The new work included a new building inside the terminal for the Customs & Border Protection offices (CBP), added Federal Inspection Services (FIS) areas, expanded second floor with new vertical circulation core, added passenger boarding bridges and extensive canopy system in the passenger drop-off areas.

Port Everglades Terminal 25 Remodel & Expansion, Fort Lauderdale, FL
Mr. Sritharan served as the project manager for this $100 Million expansion that included extensive modifications to the existing facility and addition of a 2nd floor for simultaneous embarkation and disembarkation of passengers and to serve much larger cruise ships. Project also included modifications to the adjacent Terminal 21 canopy and new ground transportation area with large canopies. S&F Engineers also provided Threshold Inspector services for the project.

S&F ENGINEERS, INC. — **2925 W. CYPRESS CREEK RD., SUITE 200, FT. LAUDERDALE, FL 33309**

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Larry M. Smith, P.E.
Principal Electrical Engineer

Smith Engineering Consultants, Inc.

412 SE 18th St., Fort Lauderdale, FL
(954) 616-3911
(561) 818-3600
Larry@SmithEngineeringConsultants.com

Professional Profile
Larry has over 30 years of experience as an electrical engineer in the areas of roadway lighting, traffic design, intelligent transportation systems analysis, design, implementation, and communications, sports field and specialty lighting, airport electrical systems, telecommunications, electric utilities, water and wastewater utilities, water control structures and pump stations. He is the President of Smith Engineering Consultants, Inc., an engineering firm that he founded over 20 years ago.

Software Skills
AutoCAD, MicroStation AGI32
Microsoft Office

Education
BS - Electrical Engineering, Florida Atlantic University, 1987

Post Graduate Research - Electrical Engineering (Telecommunications), Florida Atlantic University, 1987-1988

Licenses/Certifications
Florida P.E. No. 45997
North Carolina P.E. No. 033663
Technical Assist. Analyst, FL # T-0828

Awards
Florida Engineering Society, Outstanding Service to the Profession 2010-2011

Florida Engineering Society, Engineer of the Year 2007 - 2008

Professional Societies
Florida Engineering Society, State President 2017-2018

Institute of Transportation Engineers, Gold Coast Chapter

American Society of Civil Engineers, Palm Beach Chapter

Years with SEC:
21

Years of Experience:
33

Project Experience

Broward County Aviation Department, Fort Lauderdale/Hollywood International Airport (FLL) Airfield Lighting and Cable Replacement, Fort Lauderdale, Florida
Electrical engineer of record for the design of the electrical systems for the complete renovation of the existing airfield lighting and signage, including underground cables, for runway 9L at this major international airport. Improvements to the existing airfield lighting vault and main electrical systems were designed to facilitate the additional electrical load of the lighting and signage.

Hillsboro County Aviation Authority, Tampa International Airport (TPA), Taxiway/Ramp Connection, Tampa, Florida
Electrical engineer of record for the design of the existing taxiway lighting modifications in and around the proposed ramp connection for the new commercial maintenance hangar apron. The lighting design met the requirements of both the FAA and the airport.

Palm Beach County Department of Airports, Palm Beach International Airport (PBI) Customs Expansion, West Palm Beach, Florida
Larry designed the electrical and mechanical systems for the expansion of the existing customs building at the southeast end of the airport. Electrical service and lighting were provided throughout these facilities. Mechanical design included air conditioning and plumbing.

Palm Beach County Department of Airports, North County Airport Hangars E&F West Palm Beach, Florida
Larry designed the electrical systems for new T-hangar buildings at the existing airport. New electrical service was coordinated with the electric utility company and designed for the new buildings. Lighting and power was provided to each individual unit for convenience.

Palm Beach County Department of Airports, Pahokee Airport FBO, Pahokee, Florida
Larry designed the electrical and mechanical systems for the new Fixed Base Operator (FBO) building at the existing airport. The electrical design included electrical service and distribution, and lighting throughout the 3,500 square foot facility. Fire alarm system device layout and specifications were also provided. The mechanical design included heating, ventilation, and air conditioning (HVAC), and plumbing.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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Info@SpinnakerGroup.com
www.SpinnakerGroup.com

Jonathan Burgess, President, Spinnaker Group

Professional Accreditations: PLA, LEED Fellow, USGBC Faculty, WELL AP, WELL Faculty, LEED AP BD+C, LEED AP ND, SITES AP, FGBC Designated Prof.
Education: BLA, University of Rhode Island (Summa Cum Laude)
Professional Licenses: RLA (LA6667220); SITES AP; LEED Faculty, LEED Fellow, LEED AP Building Design + Construction (10157149-AP-BD+C), LEED AP Neighborhood Design (10157149-AP-ND); WELL AP (WELL-AP 0000000345); SITES AP (00002435-SITES) Green Globes Professional (GBIGGPTNOV13)
Professional Affiliations: USGBC, ULI, ASLA, AIA
Years of Experience in Building Green Industry -- 15 / With Spinnaker Group Since 2012



Snapshot of Jonathan -- Jonathan Burgess is a creative leader and serial entrepreneur focused on ventures that promote sustainable products, landscapes and real estate development. For more than a decade, he has focused on assisting architects, design professionals and construction teams with creating high-performing, healthy buildings and neighborhoods.

As a LEED Fellow and President of Spinnaker Group, Jonathan and this team have consulted on more than 150 certified green-building projects (LEED, Green Globes, FGBC, NGBS, LBC, WELL). His firm has more than 200 active projects currently pursuing certification across the USA and beyond. In addition, Jonathan is the WELL project administrator for seven WELL projects outside of the USA.

With more than 15 years of experience in landscape architecture and sustainable design, Jonathan became in 2017 the youngest person in the world to achieve the prestigious accreditation of LEED Fellow. He also maintains LEED specialties in Neighborhood Development and Building Design + Construction, is a SITES Accredited Professional (AP), a WELL AP, and a FGBC Designated Professional. As a much sought-after speaker and lecturer, Jonathan also tours the country as both USGBC Faculty and WELL Faculty, educating and advocating for the adoption of the WELL building standard across Florida and beyond. He is an Adjunct Professor at the University of Miami's prestigious School of Architecture.

Awards and Special Recognition

- Leadership Recognition Award -- International WELL Building Institute -- 2018
- Bob Graham Architectural Awareness Award -- AIA Palm Beach -- 2018
- Top 20 Under 40 -- Engineering News Record -- 2017
- Outstanding Community LEEDer Award -- USGBC South Florida -- 2015
- Green Leader Award -- Coral Gables Chamber of Commerce -- 2015
- U.S. President's Volunteer Service Award -- The White House -- 2015 + 2016

Sample Project Experience

- Kuwait International Airport Terminal 2 -- LEED Project Administrator and Consultant for construction of the new regional hub in the Gulf. Targeting LEED Gold for 2022.
- EQUATE Headquarters -- LEED Project Administrator and Consultant for this sustainably designed and contemporarily styled headquarters that earned LEED Silver in 2018.
- Port Everglades Cruise Terminal 25 -- LEED Project Administrator and Consultant for this 143,717 sf new-construction passenger cruise terminal that earned LEED certification in October 2020.
- Royal Caribbean Innovation Lab -- LEED Project Manager and Consultant for this 21,086 sf innovation lab in the Port of Miami , which achieved LEED Silver certification in November 2017.
- Seaboard Marine -- LEED Project Administrator and Consultant for this 12,822 sf Port of Miami maintenance facility, which secured LEED Silver certification in 2020.

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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Ernesto Collazo — Vice-President of Commissioning

Professional Accreditations: BSME and CxA (#620-1848)
Education: CxA / BA, Mechanical Engineering, Jose Antonio Echeverria Higher Polytechnic Institute, Havana, Cuba
Professional Affiliations: USGBC and AIA
Years of Experience in Building Green Industry -- 30 / With Spinnaker Group Since 2010



Snapshot of Ernesto -- Ernesto Collazo, Spinnaker Group's Vice-President of Commissioning, came aboard the Spinnaker team in 2010. He has 35 years combined experience as a Mechanical Technician, Installer, Project Manager, HVAC Design Engineer and Commissioning Agent. This combination of in-the-field experience and engineering-design background enables Ernesto to have a keen sense of knowledge regarding every aspect of project commissioning. Working on various types of projects -- including governmental, high-rise office and residential buildings, hotels, labs and hospitals -- has given Ernesto the skill set required for advanced Commissioning projects such as Palm Beach and Brevard School Districts, Torrey Pines Institute of Molecular Studies, college and university buildings, amongst others. Ernesto has completed full Building Commissioning services for more than 40 LEED certified projects.

Ernesto has a Bachelor of Science Degree in Mechanical Engineering from Jose Antonio Echeverria Higher Polytechnic Institute. He is fluent in English and Spanish. Originally from Cuba, Ernesto and his wife, Maritza, live in West Palm Beach.

Sample Project Experience

- PortMiami Cruise Terminal E -- LEED Commissioning Agent for this 10,837 sf new-construction passenger cruise terminal for Port of Miami, which earned LEED Silver Commercial Interiors certification in January 2019.
- PortMiami Virgin Voyages -- LEED Commissioning Agent for this forthcoming new Virgin Voyages PortMiami Terminal that is targeting LEED Gold certification in 2021. .
- Port Everglades Cruise Terminal 25 -- LEED Commissioning Agent for this 143,717 sf new-construction passenger cruise terminal that earned LEED certification in October 2020.
- Nova Southeastern Center for Collaborative Research -- LEED Commissioning Agent for this 218,522 sf project that achieved LEED Gold certification in 2016.
- Broward College Health Science Simulation Lab -- LEED Commissioning Agent for this 66,000 sf project that earned LEED Gold certification in 2015.
- Nova Southeastern University Coral Reef Research Center -- LEED Commissioning Agent for this 86,000 sf project that attained LEED NC Silver certification in 2013.
- Florida Gulf Coast University Emergent Technologies Institute -- LEED Commissioning Agent for this 26,000 sf project that achieved LEED NC Silver certification in 2017.
- CEP Colsubsidio (Bogota, Colombia) -- LEED Commissioning Agent for this 190,900 sf sports and business center that earned LEED Gold certification in 2013.

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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Margaret Fitzsimons, Vice-President of Sustainability

Professional Accreditations: M. ARCH, ASSOC. AIA, LEED AP, WELL AP, USGBC Faculty
Education: Master of Architecture, University of Southern California (Sustainable Architecture and Historic Preservation)
Bachelor of Fine Arts, Interior Design, University of GA
Professional Licenses: NCIDQ Certified (7325), LEED AP (0011065674)
Professional Affiliations: AIA, USGBC, IIDA, Climate Reality Leadership Corps
Years of Experience in Building Green Industry -- 28 / With Spinnaker Group Since 2016



Snapshot of Margaret -- Margaret Fitzsimons is Vice-President of Sustainability at Spinnaker Group, focused on High Performance and Wellness in Architecture and Interiors. She spearheads the certification process for multiple green building rating systems, and provides sustainable building research and project direction, as well as LEED and WELL education. With more than 28 years of diverse experience, Margaret's work bridges architecture, urban planning, interiors, sustainable design, strategy and education. Previously a sustainability leader for some of the world's largest architectural firms, Margaret offers Spinnaker clients sustainable design and wellness strategies tied to all areas of the built environment, applying detailed acumen to the LEED and WELL certification of project types ranging from large-scale commercial, multi-family, civic, institutional and collegiate to hospitality and urban environments.

For more than two decades, Margaret's work has emphasized the productivity and wellness of building users in workplace environments, the foundation of the current WELL rating system. Margaret is currently pursuing her WELL AP, and brings direct experience from her workplace design to all 10 WELL concepts. Additionally, Margaret was appointed to the prestigious USGBC Faculty Program, a global network of qualified instructors, facilitators and practitioners. Locally, she serves as the Chair of the Sustainability Advisory Board for the City of Boca Raton, where she has also provided extensive volunteer work in sustainable urban planning and design efforts. She has held leadership roles in multiple design and sustainability organizations, and is currently a member of USGBC Florida; a Climate Reality Leader for The Climate Reality Project; an Associate Member of the American Institute of Architects; and an active member of the AIA's Committee On The Environment (COTE). Originally from Georgia, Margaret has practiced sustainable building design in Washington D.C and Los Angeles, CA prior to Florida, and currently lives in Boca Raton.

Sample Project Experience

- Royal Caribbean Innovation Lab -- LEED Project Manager and Consultant for this 21,086 sf innovation lab in the Port of Miami , which achieved LEED Silver certification in November 2017.
- Seaboard Marine -- LEED Project Manager and Consultant for this 12,822 sf Port of Miami maintenance facility, which secured LEED Silver certification in 2020.
- PortMiami Virgin Voyages -- LEED Project Manager and Consultant for this forthcoming new Virgin Voyages PortMiami Terminal that is targeting LEED Gold certification in 2021. .
- Port Everglades Cruise Terminal 25 -- LEED Project Manager and Consultant for this 143,717 sf new-construction passenger cruise terminal that earned LEED certification in October 2020.
- Florida Gulf Coast University Emergent Technologies Institute -- LEED Project Manager and Consultant for this 26,000 sf project, which achieved LEED NC Silver certification in 2017.
- Northwest Gardens -- LEED Project Manager and Consultant for this 33-acre mixed-use, neighborhood development, which achieved LEED ND Silver certification in 2019.
- Noel P Brown Expansion, Nova Sports -- LEED Project Manager and Consultant for this 59,000 sf multi-purpose project, which achieved LEED Gold certification in 2017.

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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Steve Samenski, Director of Building Performance

Professional Accreditations: PE, CxA, LEED AP BD+C
Education: BS Mechanical Engineering, Drexel University
Professional Licenses: FL Professional Engineer (PE57584); LEED AP Building Design + Construction (10133872-AP-BD+C)
Professional Affiliations: USGBC, ASHRAE
Years of Experience in Building Green Industry -- 15 / With Spinnaker Group -- 4 Years



Snapshot of Steve -- Steve Samenski returned to Spinnaker Group as Director of Building Performance in January 2021, after a previous four-year stint during the company's early days starting in 2007. With more than 30 years of experience in facility design, construction, analysis and maintenance, one of Steve's many strengths is focusing on identifying and meeting the needs of building owners. In his capacity as commissioning engineer, Steve has shepherded nearly one billion sq ft of interior space from drawing board to opening day, successfully completing projects in the healthcare, hospitality, commercial, government, educational and multi-family residential sectors. He is a registered Professional Engineer in the State of Florida and also holds LEED AP BD+C and CxA certifications. In addition to LEED, he is fully versed in FGBC and IgCC construction regimes. As Director of Building Performance for his second go-round with Spinnaker Group, Steve is working to apply the rigor and efficiency of the green building world to the existing building sector, encompassing services such as retro-commissioning, energy auditing, monitoring-based commissioning, and benchmarking.

Sample Project Experience

- FXE Aviation Equipment and Service Center -- Completed Fundamental and Enhanced Commissioning services for maintenance facility. Certified LEED Gold.
- Lorenzo Bomnin Chevrolet -- Completed commissioning services for 34,000 sq ft vehicle sales and maintenance facility. Certified LEED Silver.
- Fort Bragg Base Operations and Tactical Equipment Maintenance Facility -- Provided commissioning services equivalent to LEED Fundamental and Enhanced for 80,000 sq ft US Army vehicle maintenance complex.
- Lexus Service Training Facility -- Completed Fundamental and Enhanced Commissioning services for automotive training facility. Certified LEED Gold.
- MIA Mover Automated People Mover -- Commissioning services for 40,000 sq ft transportation hub at Miami International Airport. Certified LEED Gold.
- Broward County Institute of Public Safety -- Performed commissioning services for 48,000 sq ft first-responder training facility at Broward College.
- Palm Beach State College Public Safety Training Center -- Provided Fundamental and Enhanced Commissioning services for 90,000 sq ft first responder training facility. Certified LEED Gold.
- FXE US Customs & Border Protection Facility -- Provided Fundamental and Enhanced Commissioning services for 8,000 sq ft facility. Certified LEED Silver.
- Military Entrance Processing Command Center -- Completed Fundamental and Enhanced Commissioning services for 30,000 sq ft military recruiting and training center.

SPINNAKER GROUP

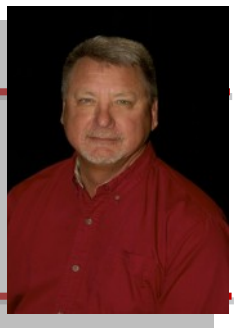
Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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SURVEYORS - MAPPERS

4341 S.W. 62nd Avenue, Davie, Florida 33314
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James D. Stoner, P.S.M.
President/Principal Surveyor



Education

Land Surveying Program
Palm Beach Community College, 1979

Professional Registrations

State of Florida Professional Surveyor and Mapper
License Number LS4039, 1983

Professional Affiliations

Former Vice President Florida Surveying and Mapping Society – State Level
Former President Florida Surveying and Mapping Society – Broward Chapter
Former Florida Surveying and Mapping Society – Area 6
American Congress on Surveying and Mapping
Leadership Broward

Professional Experience

- **South Florida Water Management District**
  - STA 3/4 – Topographic Survey
  - East Coast Buffer Cells 28 & 29 – Boundary Survey
  - C-4 Canal Conveyance – Topographic Survey
  - Lake Hicpochee – Boundary and Topographic Surveys

- **Broward County Aviation**
  - Annual Runway Approach Surface Surveys
  - Numerous Lease Parcel Surveys
  - Design Surveys for Expansion of Airport Terminals

- **Broward College Continuing Contract for Surveying Services**
  - North Campus – Boundary survey overall Campus
  - Central Campus - Boundary survey overall Campus
  - South Campus - Boundary survey overall Campus
  - Numerous Topographic and As-built Surveys for expansion of Facilities

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

STONER & ASSOCIATES, Inc.
SURVEYORS - MAPPERS

4341 S.W. 62nd Avenue, Davie, Florida 33314
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

- **City of Sunrise Continuing Contract for Surveying Services**
  - Southwest Water Treatment Plant – As-Built Survey
  - Sunrise Road Improvements – Various Topographic Surveys
  - Five Vacant Parcels – Boundary Surveys
  - Park City Water Treatment Plant – Updated Boundary Survey
  - Passive Park – Topographic and Utility Surveys
  - City Hall Parking Lot – Topographic Survey
  - N.W. 44th Street – Topographic Survey
  - Lutheran Church Site Acquisition – Boundary Survey

- **Town of Davie Continuing Contract for Surveying Services**
  - Oakes Road Fire Station – Boundary Survey
  - Lift Station Number 11 Improvement Project – Topographic Survey
  - Silver Lakes Park – Construction Layout Survey
  - Wachovia Bank Parcels – Boundary, Topographic, & Tree Surveys
  - Parks & Recreation Building at Pine Island Park – Topographic Survey
  - Orange Drive – Topographic & Tree Surveys
  - Eastside Community Hall – Topographic & Tree Surveys
  - N-20 Canal – Topographic Survey
  - Public Works Gas Pump Station – Topographic Survey
  - S.W. 130th Avenue Canal – Topographic Survey
  - Sunny Lake Expansion – Boundary Survey

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

THOMPSON & ASSOCIATES

EDUCATION:

Master of Science, Civil and Environmental Engineering, Florida International University

Bachelor of Science, Civil and Environmental Engineering, University of South Florida

Construction Management Certificate Program, Florida Atlantic University

Small Business Executive Program, Florida State University, College of Business

FES/FICE Florida Engineering Leadership Institute

REGISTRATIONS:

Registered PE, Florida #54731

LEED Accredited Professional

EPA/FDEP NPDES Instructor

OSHA Trench Safety Certificate

AFFILIATIONS:

FICE State Past-President

NSPE 2003 "National Young Engineer of the Year"

FES Broward Past-President

City of Coconut Creek Environmental Advisory Board

Stranahan H.S. Advisory Board

Broward County Construction Advisory Board, Vice-Chair

PUBLICATIONS:

"Determining the Cause of Activated Sludge Foaming and Bulking at the Sawgrass WWTP in Sunrise, Florida", AWWA/FWEA State Conference 1999

CONTACT INFORMATION:

412 SE 18th Street

Fort Lauderdale, FL 33316

Tel: 954 761 1073

jim@thompson-inc.com

JAMES F. THOMPSON, P.E., PRESIDENT

SUMMARY

James F. Thompson, P.E., LEAD AP© has over 25 years of experience in civil engineering projects related to municipal utility and right-of-way improvements, HDD projects, FEMA grants, CDBG grants, Development of Regional Impact (DRI), value engineering, annexation studies, infrastructure valuation studies, peer review reports, expert witness testimony, land planning, platting, parcel dedications, infrastructure and site civil design, permitting, geotechnical testing, construction inspection and contract administration for private and municipal clients. Mr. Thompson's municipal experience includes large multi-phase neighborhood redevelopment projects, minor treatment plant improvements, utility and right-of-way improvements, and various new municipal projects such as parks and schools.

Mr. Thompson brings to each project a unique approach which emphasizes teamwork and collaboration between all team members in order to identify and resolve issues early. It is this style of project management that ensures the final design plans meet the client's needs as well as the permitting criteria while staying on schedule and within the anticipated budget. This project approach works exceptionally well for design-build projects.

EXPERIENCE

Port Everglades Slip 1 Expansion Project - MARAD Grant Writing, Broward County, Florida. As the Prime Consultant, T&A completed the Grant writing effort for this $25 million MARAD Port Infrastructure the Grant Request was completed on September 16, 2019 from the U.S.D.O.T. Maritime Administration. The scope included working closely with Port staff and reviewing multiple Port documents, such as the Port's Mater Plan, several Port studies, numerous agreements with other agencies, as well as completed and proposed Port infrastructure projects. The Grant Request was for financial assistance to offset the approximate $150 million budget for the Slip 1 Expansion Project. The Grant is currently under review by MARAD.

Broward County Reclaimed Water Transmission Main, Broward County, Florida – As the prime consultant and engineer-of-record of this 11-mile large diameter pipe project, services include preliminary design report, design, permitting, bidding assistance, and construction administration. The project is composed of two (2) bid packages; Bid Package #1 is comprised of 5 miles of a 42" pipe and Bid Package #2 is comprised of 6 miles of 24" pipe. Multiple corridors were evaluated, and cost comparisons completed for each alternative. The final design requires the installation of the proposed reclaimed water transmission main in FDOT and SFWMD right-of-way. Permitting efforts includes multiple agencies and municipalities. The estimated construction cost for the project is approximately $35 million.

Palm Beach International Airport Lift Station Improvements, City of West Palm Beach, Florida. Project included the complete redesign of an existing lift station and force main due to an expansion of the airport terminal offices and the subsequent additional sanitary sewer flows. Project was completed on time and within budget.

Broward County Landfill Leachate Force Main and Lift Station, Pembroke Pines, Florida. Design of this 1,200' leachate force main and lift station included extensive permitting with local jurisdictional agencies and coordination with the City of Pembroke Pines. The County's force main discharges into the City's force

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

main system, therefore an inter-local agreement has to be negotiated.

Broward County 24" HDD Design Build, Fort Lauderdale, Florida - Design services were provided for the horizontal directional drill of a new 24" potable water main under Broward Boulevard in the middle of State Road 7. The project had to be coordinated with the City of Fort Lauderdale, the City of Plantation, and the Florida Department of Transportation. The project was completed as part of a design alternative related to the Broadview Park Neighborhood Improvement Project by the Broward County Water and Wastewater Division. T&A was the engineer-of-record for the HDD design of the new 24" water main, assisted with permitting efforts, conducted construction inspection, and designed the required MOT plans for State Road 7 and Broward Boulevard. The project was completed on time and had caused very little impact to the public during construction.

Port Everglades NPDES Stormwater Permitting, Broward County, Florida. NPDES permitting was completed for a private client in Port Everglades. Stormwater drainage flow and possible contaminates were evaluated and inspections of the site were completed and documented in order to comply with FDEP NPDES requirements.

Port Everglades Air License Permitting, Broward County, Florida. Air License permitting was completed through the Broward County Environmental Protection and Growth Management Department Pollution Prevention Division for a private client in Port Everglades. The aggregate transfer operation utilized three (3) hoppers for offloading bulk aggregate with potential for airborne particulate emissions.

Bulkhead Replacement Project, Town of Lake Park, Florida. Designed a replacement bulkhead for an existing aging bulkhead for approximately 1,100 linear feet of a City park. The bulkhead was located on the environmentally sensitive Lake Worth Lagoon. Design considerations included public safety for the upland portion of the City park, as well as protection of protected aquatic species of plant and animal life such as seagrass, coral, and manatees.

Florida Keys Stormwater Improvement Project, **Lower Matecumbe Key, Islamorada, Florida.** Islamorada secured grant funds from FDOT for stormwater quality improvements along US 1 on Lower Matecumbe Key. Along with stormwater improvements, a brick paver bike path and special salt tolerant landscaping were added. A special public information session was held with local residents and business owners to incorporate their interests into the final design. Special considerations were made for endangered plant and animal species located on the fringes of the project area.

North Andrews Gardens Neighborhood Improvement Project (NAGNIP), Broward County, Florida. Services provided for this 730-acre community included design permitting and construction administration of eight (8) bid packages for the project with an estimated $120 million construction budget. Specific tasks included: Basis of design report (BODR); modeling and design of the water distribution system, sanitary sewer transmission system and stormwater system; value engineering sessions; construction/contract administration; public relations and information campaign; Home Owner Association meeting presentations; permitting of all associated design work with various jurisdictional agencies; Preparation of bidding documents; landscaping and entry sign features; and ***assisted Broward County in obtaining approval for $4 million of grant money from FEMA for drainage improvements within the project.***

Central County Neighborhood Improvement Project (CCNIP) Basis of Design Report (BODR), Broward County, Florida. The planning and preliminary design for the CCNIP contained 1,682 acres, 21,300 residents, 5,029 homes, and 3,678 septic tanks. The area is located west of I-95, north of Davie Boulevard, east of State Road 441, and south of Sunrise Boulevard in unincorporated Broward County, Florida. The BODR included improvements for over 53 miles of right-of-way, which included over 100 miles of sidewalk, nearly 300 miles of water, sewer, force main and drainage pipelines divided into 12 construction bid packages. Construction started in 1999 and is scheduled to be completed in 2011.

Central County Neighborhood Improvement Project (CCNIP) North Bid Packages, Broward County, Florida. Completed the design, permitting and construction administration of four (4) construction bid packages for the communities of Franklin Park, Washington Park, St. George East, and St. George West. The project area included existing residential and commercial properties, the Broward Sheriff's Office, a county library, two county schools, three community centers and several county parks. Design improvements included water distribution systems, sanitary sewer collection and transmission systems, stormwater drainage systems, roadway, sidewalks, pavement markings, landscaping and neighborhood signage, and art in public places. Total CCNIP budget was nearly $150 million.

Lauderhill Utilities Aerial Force Main and Water Main Rehabilitation, Lauderhill, Florida. Design and contract documents were prepared for the City for the rehabilitation of a water main and force main aerial crossing of the C-13 Canal. The design included the replacement of air release/vacuum valves, split repair sleeve coupling, and the application of a new coating system for the pipes, which required a lead survey to be completed. The existing 140' crossing was comprised of ductile iron pipe and rolled steel pipe. This project is in the bidding phase.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

THOMPSON & ASSOCIATES

DARREN L. BADORE, VICE PRESIDENT

EDUCATION:

Associates Degree, Mechanical Engineering, Vermont Technical College

REGISTRATIONS:

CTQP, Asphalt Paving Technician Level 1, expires 05/03/2021

MOT Intermediate Course, Certificate # 22829, expires 11/17/2020

Affiliations:

Broward Metropolitan Planning Organization, Citizen's Advisory Board, 2021 current

City of Plantation, Planning & Zoning Board, 2019 2021

City of Plantation, Volunteer Firefighters' Retirement Board, 2016 2019

City of Plantation, Planning & Zoning Board, 2011 2016

Smart Growth Partnership, Past Board Member

Rebuilding Together of Broward County, Past Board Member

Contact Information:

412 SE 18th Street

Fort Lauderdale, FL 33316

Tel: 954 761 1073

darren@thompson inc.com

SUMMARY

Mr. Badore has over 26 years of experience providing Project Management and design services for development projects for public and private clients in Broward and Miami-Dade County. Work elements include gravity sewer system planning and design, lift station design and rehabilitation, force main planning and design, pavement condition assessments, various aviation related projects, FEMA grants, value engineering, infrastructure valuation studies, peer review reports, land planning, platting, parcel dedications, permitting, geotechnical testing, construction inspection and contract administration. His extensive private experience varies from large development projects of over 500 acres to small commercial parcels of less than one acre. Mr. Badore's County experience includes seventeen (17) large scale phased neighborhood redevelopment projects and various new municipal projects. Mr. Badore has dedicated countless volunteer hours to serve the communities that he lives. Current roles include serving as Chair of the Broward County Small Business Development Advisory Board and serving on the Board of the Broward County Metropolitan Planning Organization, Citizen's Advisory Board.

EXPERIENCE

Fort Lauderdale-Hollywood International Airport South Runway Expansion, Fort Lauderdale, Florida. Services provided for the new 8,000-foot runway included, Permitting Support Services, Wetland Permitting, Design Criteria Package Development, Sustainability Report, Irrigation Design, Tree Inventory and Permitting and Burrowing Owl Monitoring. The project included permitting to fill low quality wetlands east of US 1, permit processing and tracking, inventories for approximately 4,000 trees impacted by runway expansion, permitting and demolition of the Airport Hilton Hotel and Dania Boat Sales as well as reconfiguration of the existing irrigation system along the south portion of the airport.

Broward County Convention Center Master Plan. Served as Project Manager for the development of the Broward County Convention Center Master Plan. This project was performed under HKS who the prime vendor was. This six (6) month project included a focus on the traffic and transportation elements of the Master Plan. Also included attendance at stakeholder's meeting, research for existing easements, review of existing lease agreements, coordination with Port Everglades and review of existing water, sewer and drainage. Site access and vehicular flow was reviewed as well as research into the various multi-modal transportation options that exist. Other areas that were explored included facility operations, Port parking requirements and taxi and bus usage of the existing parking garage. The budget for implementation of the Master Plan was $500 million and the project was completed in 2014.

Stirling Road - Utility Coordination, Broward County, Florida. This FDOT Resurfacing, Restoration and Rehabilitation (RRR) Project is located along Stirling Road from just east of University Drive to State Road 441 and approximately 1,000 feet north and south on SR 441. Services provided for this project included Utility Coordination in accordance with the Utility Accommodation Manual (UAM); contacting all the Utility/Agency Owner's (UAO); collecting As-builts; scheduling of required coordination meetings; preparing Utility Matrix; obtaining Utility Work Schedules (UWS); preparing cost estimates utilizing the Basis of Estimates (BOE); coordinating the Utility Agreements.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Slip No. 3 Bulkhead Rehabilitation, City of Riviera Beach, Florida. This project consisted of the installation of a new steel king pile bulkhead, dredging and site improvements including the demolition, removal and legal disposal of part of the old wall, existing pavement and drainage structures. The new construction included the installation of the new king pile seawall and soil anchors, dredging, drainage systems, associated utilities improvements, site grading, paving, and striping. As a subconsultant to AECOM and acting as the Project Manager, managed the scope including site survey, utility locates and test holes, site grading, drainage, water and sewer design.

North County Existing Utility Mapping Project, Broward County, Florida. This project included the complete redevelopment of all infrastructure within the 2,900-acre neighborhood. In order to develop accurate design plans, a major effort was required to collect all the existing utility as-builts. This outreach and coordination effort included contacting all the utility providers within the project area, digitizing the as-builts, incorporating them into the design plans and field verification of them to improve the accuracy of the base drawings. Once the design plans were complete, the next phase of the project required coordination with the utility providers to relocate their facilities to make way for the infrastructure improvements. These relocation efforts included gas mains and hundreds of FPL power poles to be relocated to the right-of-way line. Easements were obtained when required from private property landowners. The project area spanned several municipalities; City of Pompano Beach and City of Deerfield Beach and included work within FDOT Jurisdictional roadways. Services provided for project included design, permitting and construction administration of seven (7) bid packages for the complete redevelopment of the neighborhood infrastructure with an estimated $60 million construction budget.

North County Bid Package No. 12 Reclaimed Water Distribution and Transmission Main, Broward County, Florida. This project included the installation of a reclaimed water distribution system within the neighborhood to serve as irrigation for each of the properties. A transmission main was installed and connected to the City of Pompano Beach's Oasis Reuse Plant. This transmission main, approximately 3 miles long, was installed across FDOT R/W as well as within City of Pompano Beach Cresthaven Neighborhood and provided a connection to the north of Bid Package No. 12 to serve the area within Bid Package No. 9 thru 11. Services provided for this included design, permitting and construction administration.

North Andrews Gardens – Bid Package No. 9, Broward County, Florida. This unique project included the installation of 4,800 LF of 20" DIP Force Main connecting the 730-acre neighborhood to the Palmdale Master Pump Station. Within the neighborhood were six (6) new pump station manifold together with a connection point for future discharge to the master pump station. The Force Main installation required night work within a FDOT Right-of-Way, work below an I-95 bridge crossing Cypress Creek Road and coordination with the City of Oakland Park, City of Fort Lauderdale, Broward County and FDOT. The project also included the installation of 2,000 LF of 20" DIP Water Main. Services provided during this project included design, permitting and owners representative services during construction. The owner of the system is Broward County Water & Wastewater Services.

Town of Davie Water Treatment & Reclamation Facility, Davie, Florida. The Reclamation Facility includes a 6 MGD reverse osmosis water treatment plant and 3.5 MGD wastewater reclamation plant. Services included were civil design plans for the raw water transmission mains associated with the 5 Floridian aquifer supply wells, including design for each well head slab and associated grading. Underground duct banks were installed to bring power and control to each of the wells. The civil design plans included the location, details, and associated specifications for the installation of these underground duct banks as well as the required access structures. A total of 4,800 linear feet of 24" transmission main and duct bank was installed. Permitting coordination included Town of Davie, Central Broward Water Control District, Florida Department of Environmental Protection, Broward County Health Department and University of Florida.

Memorial Healthcare System - Memorial Hospital West, Garage Citing Study, Pembroke Pines, Florida. Project included the evaluation of potential sites for the installation of a parking garage. Memorial West Hospital has several project expansions planned therefore parking needs were required to be analyzed. The parking garage would provide approximately 1,100 additional spaces to serve the Hospital. Zoning and setbacks were also reviewed along the impacts the utilities and surface parking lots. Meetings were conducted with the design Architects, Hospital and City of Pembroke Pines Planning staff.

Central Broward Regional Park, Additional Parking, City of Lauderhill, Florida. The scope of this Work Authorization was to provide new parking areas for park visitors and parking for television station vehicles. The estimated construction value of the project is $600,000. As Engineer of Record, we provided professional engineering services to design, permit, and will provide administration of the construction contract for the construction of parking facilities located within the limits of the Central Broward Regional Park. The scope included the survey, civil engineering, landscape architecture and irrigation design and permitting through State, County, and local regulatory agencies.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Hugo E. Soto, P.E.
Principal Engineer/QA/QC Review



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

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.

Section E: Evaluation Criteria — Ability of Professional Personnel - Resumes

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.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Rutugandha "Rutu" H. Nulkar, P.E.

Senior Engineer



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

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.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Caridad R. Murphy, QCM

Materials Testing and Inspections Manager



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

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.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Caridad R. Murphy, QCM (continued)

Consolidated Rental Car (RAC) Facility at FLL - Broward County, FL
Project Manager. Responsible for providng and performing comprehensive soils testing geothnical 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.

Section E: Evaluation Criteria

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

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

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

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.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Traf Tech
ENGINEERING, INC.

Joaquin E. Vargas, P.E.
Transportation Engineer



Education

Master of Science in Civil Engineering (Transportation Engineering) – Georgia Institute of Technology, 1987

Bachelor of Science in Civil Engineering – Santo Domingo Institute of Technology (INTEC), 1986

Registration

Professional Engineer – Florida (PE# 44174), 1991 Professional Traffic Operations Engineer (PTOE# 1262), 2003

Private Sector Experience

Joaquin Vargas is an accomplished transportation engineer specializing in traffic engineering, parking studies, traffic impact studies, access, internal-site circulation, traffic concurrency, Development of Regional Impacts (DRI), pedestrian mobility studies, safety evaluations, and signal warrant studies. He has conducted over 1,000 traffic studies in Southeast Florida. His studies have been reviewed and approved by the Florida Department of Transportation (FDOT), numerous municipalities, counties, and other consulting firms acting as consultants to public agencies.

Municipal Experience
Joaquin Vargas has reviewed hundreds of traffic studies and site plans on behalf of municipalities, especially for the Cities of Sunrise and Coral Springs. He is currently serving as traffic consultant to the cities of Pompano Beach, Sunrise, Oakland Park, Deerfield Beach, Tamarac and Coral Springs. He has also provided traffic engineering consulting services to the cities of Bay Harbor Islands, Cooper City, Destin, Fort Lauderdale, Hollywood, Homestead, Lauderdale-By-The Sea, Miami, Miami Beach, Miami Springs, North Miami Beach, Ocala, Pembroke Pines and Surfside.

Florida Department of Transportation (FDOT) Experience
Between 1996 and 2006, Mr. Vargas served as traffic operations and safety consultant to the Florida Department of Transportation (FDOT). During this period, he conducted over 200 traffic engineering assignments for the FDOT, including the Florida Keys Hurricane Evacuation Study completed in 2001.

Mr. Vargas has also presented at the FDOT's scoping committee, attended meetings, city commission meetings, and public workshops on behalf of the FDOT. Furthermore, he conducted over 100 fatal crash studies throughout Miami-Dade and Monroe Counties. He has also served as expert witness for the public and private sectors. For the FDOT, Mr. Vargas served as expert witness on several cases involving parking, access, and internal site circulation.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Traf Tech
ENGINEERING, INC.

International Experience

Joaquin Vargas has also worked on overseas projects. He recently completed a traffic evaluation associated with the expansion of the Port of Ghana, Africa. He also evaluated transportation options for a resort development project in the State of Quintana Roe, Mexico. Mr. Vargas also provided transportation and planning assistance for the development of a major retail center in San Pedro Sula in Honduras. Joaquin's firm has been recently selected to work on the master transportation plan for the Turks and Caicos Islands.

Representative Projects

Traffic Engineering Services for the City of Coral Springs: Mr. Vargas has been serving as traffic consultant to the City of Coral Springs since the late 1980's. In this capacity, he has reviewed hundreds of applications from traffic and safety standpoints. He has reviewed site plans prepared by others from access, parking, stacking, and internal site circulation standpoints. Mr. Vargas has reviewed numerous traffic studies prepared by others for new projects within the City of Coral Springs.

Traffic Consultant for the City of Sunrise: Between 1996 and 2005, Mr. Vargas served as traffic consultant to the City of Sunrise. In this capacity, he assisted the city in convincing the developers of the Florida Panther's arena that the best location for the arena was next to the Sawgrass Mills (its current location). Furthermore, Mr. Vargas has been involved in reviewing most of the Sawgrass Mills expansions (DRI's), including the previously opened Wannado City and Metropica projects. Mr. Vargas has been involved in the review process of numerous applications submitted to the City of Sunrise. These reviews have focused on traffic impacts created by the proposed projects, and site plan reviews.

Project Manager and Senior Traffic Engineer for the FDOT: Between 1996 and 2006, Mr. Vargas served as traffic operations and safety consultant to the Florida Department of Transportation (FDOT). During this period, he conducted over 200 traffic engineering assignments for the FDOT, including the Florida Keys Hurricane Evacuation Study completed in 2001. He has continuously provided hurricane evacuation assistance to the FDOT to the present (2013).

Traffic Engineer for the Sistrunk Boulevard Streetscape Project: Mr. Vargas served as traffic engineer on one of Fort Lauderdale's most challenging traffic calming projects. Sistrunk Boulevard. Opposed by high-level Broward County professionals, this CRA project consisted of reducing the number of through lanes on Sistrunk Boulevard from four to two. Mr. Vargas had the difficult task of ensuring that due to the reduction in vehicular capacity, neighborhood traffic intrusion was not going to be a problem. Several creative traffic engineering tactics were recommended in order to eliminate this political concern.

References:
Mr. Chris Suneson, Transportation Planner – City of Coral Springs (954) 344-1028

Mr. Mark Lubelski, City Manager – City of Sunrise (954) 746-3430

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MEHMET Y. ULUTAS, PE

SENIOR FUELING SYSTEMS PROJECT MANAGER & DESIGN ENGINEER

Mr. Ulutas specializes in the master planning and detail designing of commercial and military aviation facilities and utility systems including hydrant fueling systems, bulk fuel storage facilities, fuel loading racks, and aircraft ground support systems such as PCA and 400Hz. Mr. Ulutas also has extensive design experience in fire protection systems for fuel storage facilities, fueling systems for multi-floor airport parking garages, fueling facilities for marinas, and rehabilitation projects for guard gates on canals. His experience extends to mechanical inspections of movable bridges, construction inspections of storm sewer pump stations, and natural disaster relief inspections. Since 1999, he has been providing professional engineering services for major commercial airports, air force bases, air and army national guard facilities, commercial airlines, U.S. Army Corps of Engineers (USACE), Air Force Civil Engineering Center (AFCEC), oil companies, transportation, public works, PPP and design-build projects.

TERMINAL T3 GATE F1 JET FUEL HYDRANT VALVE PIT, FT. LAUDERDALE/ HOLLYWOOD INTERNATIONAL AIRPORT, FL. Engineer of Record for the design of a new jet fuel hydrant valve pit with new 6"/10" double wall pipeline and replacement of existing 12" single wall pipe with 12"/16" double wall piping. The design also included modification to existing isolation valve vault, flushing, hydrostatic testing, cathodic protection and extension of leak detection system.

TERMINALS T3/T4 CONNECTOR JET FUEL HYDRANT PIPE REPLACEMENT, FT. LAUDERDALE/ HOLLYWOOD INTERNATIONAL AIRPORT, FL. Engineer of Record for the replacement of existing 14-inch single wall piping with 14/18-inch double wall piping. It also included modifications to existing isolation valve vaults, pavement restoration, flushing, hydrostatic testing, grout filling of existing piping, extension of leak detection system. The design was completed in a week due to aggressive construction schedule.

ALTERNATIVE LEAK DETECTION SYSTEM PROCEDURE FOR TERMINAL 1 FUEL SYSTEM PIPING, FT. LAUDERDALE/HOLLYWOOD INTERNATIONAL AIRPORT, FL. Engineer of Record for preparing an alternative leak detection system procedure to be in effect in lieu of an existing non-functional leak detection system as per Florida Department of Environmental Protection (FDEP) rules and regulations.

TERMINAL 1 HYDRANT FUEL SYSTEM, FT. LAUDERDALE/HOLLYWOOD INTERNATIONAL AIRPORT, FL. Project Manager and Engineer of record for the design for modification of the existing jet fuel hydrant system, which included replacement of an isolation valve pit, removal & reinstallation of 10"/14" double wall jet fuel pipe and implementation of a new pressure-based leak detection system for the existing double wall fuel piping.

FUEL FACILITY BYPASS GENERATOR, FT. LAUDERDALE/HOLLYWOOD INTERNATIONAL AIRPORT, FL. Project Engineer for the design of an emergency power system for the fuel facility. The system included a 750 KW standby generator, a 1200 AMP automatic transfer switch and remodeling of an existing office space to an electrical room.

YEARS OF EXPERIENCE
22

YEARS WITH TYLI
22

EDUCATION
MS, Mechanical Engineering, University of Miami, 2001

MBA, Business Administration, University of Miami, 1998

BS, Mechanical Engineering, Istanbul Technical University, 1995

REGISTRATIONS / CERTIFICATIONS
Professional Engineer:

Florida, #65541, 2007

New York, #88012, 2010

North Carolina, #043447, 2016

California, #M 39094, 2018

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MEHMET Y. ULUTAS, PE (CONTINUED)

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

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

CONCOURSE F JET FUEL HYDRANT SYSTEM MODIFICATIONS, TAMPA INTERNATIONAL AIRPORT, FL. Engineer of Record for the design of modifications to existing jet fuel hydrant system to accommodate a new aircraft mix for the international gates. 9 new hydrant pits and associated lateral piping were installed and concrete apron pavement slabs were restored. The design included hot-tap method connection to existing pipe in one night to eliminate disruptions to fueling operations in the AM.

CONCOURSES J HYDRANT FUEL SYSTEM, MIAMI INTERNATIONAL AIRPORT, FL. Project Engineer for the hydrant fuel system project that included approximately 7,000 feet of 6-inch, 12-inch and 20-inch double wall jet fuel piping, one (1) control valve vault, eight (8) isolation valve pits, and forty six (46) hydrant pits to provide full service fueling capability at 15 gates. The design included new concrete apron pavement, new emergency fuel shut off, cathodic protection and leak detection systems. The system was designed to accommodate Airbus A380s. The hydrant fuel system construction was completed in 2007 and the cost was over $6.0M.

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

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MICHAEL K. MILLER, PE

SENIOR FUELING/SUPPORT SYSTEMS ENGINEER

Mr. Miller is a recognized expert in concept development, planning, design and inspection of aircraft fueling systems and aircraft support systems, including 400-hertz and preconditioned air systems, at large and medium sized commercial airports. His competence extends from bulk fuel storage and pumping facilities to hydrant fuel systems, pipelines, truck loading stations and leak detection systems. Mr. Miller has considerable experience appraising the condition and value of aviation fuel systems. His experience also includes fire protection design for fuel storage facilities, hangar and buildings. He has over 35 years of providing these services for airlines, service companies, airport administrations and private clients.

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

JET FUEL TANK AND FIRE PROTECTION IMPROVEMENTS, FT. LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT, FLORIDA, ENGINEER-OF-RECORD (FUELING). T.Y. International provided engineering services for the construction of a new 27,400 bbl. (70' diameter by 40' high) API 650 Welded Steel Tanks, for Oil Storage jet fuel storage tank and new fire protection piping to water/foam cannons. The services provided included preliminary and detailed design, geotechnical investigations, permit processing, bidding and contract award services and resident engineering services.

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

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

NORTH TERMINAL DEVELOPMENT (NTD), MIAMI INTERNATIONAL AIRPORT (MIA), MIAMI DADE AVIATION DEPARTMENT (MDAD), MIAMI, FL, ENGINEER-OF-RECORD (FUELING). Mr. Miller was the Engineer of Record for the hydrant fueling system for the American Airlines North Terminal Development (NTD) program that serves 47 international/domestic gates for both narrow-body and wide-body aircraft, as well as for the apron development for 26 regional jet and commuter gates. Systems included were double wall

YEARS OF EXPERIENCE
36

YEARS WITH FIRM
27

EDUCATION
MS in Mechanical Engineering, University of Miami, 2005

BS in Mechanical Engineering, Florida Atlantic University, 1978

REGISTRATIONS / CERTIFICATIONS
Professional Engineer: FL #34313

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MICHAEL K. MILLER, PE (CONTINUED)

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

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

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

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

MICHAEL K. MILLER, PE (CONTINUED)

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

In addition, coordination of the four main construction contracts which included the mechanical and civil package, the electrical power package, the pump control and automation package and the environmental remediation package. Services provided included processing contractors' pay application review and approval, prepare punch lists, attend construction meetings, coordinate schedules for work and interface with power company and permitting agencies.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

ACAI RD

Ray Davalos | Director of Port Security & Infrastructure Management



BENEFITS:

- More than 30 years of experience with Airport security and automation, Port security and Municipality telecommunication infrastructure.
- Experienced with system design, implementation, integration, Local codes, NFPA requirements, and deployment of industrial Port systems.
- Specialized experience in the industries of security, access control, closed circuit monitoring, building automation, AV Systems, Paging, control rooms, HVAC, and life safety systems.

EXPERIENCE

Airport Building Systems Manager,

- Responsible for administration and performance of the following Airport Systems:
  - All of the Airport's computerized Building Management/ Life Safety Systems
  - Digital Closed Circuit Surveillance Systems
  - Digital Camera Recording Systems
  - Access Control Security Systems
  - Aircraft Pre-Condition Air Systems
  - Dedicated systems networks
  - Elevator monitoring Systems
  - Power monitoring and lighting controls
- Responsible for reviewing, planning, and assigning fieldwork, installation, testing, maintenance and repairs for the above mentioned systems.
- Provide technical direction in order to assist technicians in the maintenance and handling of complex system problems.
- Responsible for the research and development of system upgrades and writing of specifications.
- Responsible for the review of plans, design guidelines, and specifications for new projects.
- Supervise inspection of new projects and field commissioning to ensure contract compliance.
- Responsible for contract administration of airport automation systems and security systems valued at more than 100 million dollars.
- Responsible for monitoring emergency, scheduled, and preventive maintenance work on all systems as per contract requirements.
- Responsible for assisting airport management and project managers with the proper installation of all systems in the current Capital Improvement Projects.
- Responsible for designing system features that will meet current and future security measures and requirements.
- Responsible for formulating new system requirements that will qualify for new federal grants.

Experienced in planning, organizing, directing maintenance functions, and project managing large capital improvement contracts.

Participated on selection committees as county resident expert for evaluation of new systems and contracts.

- Worked with Nelson Oramas to develop the first security, CCTV, and infrastructure design for the Port of Miami.
- Port of Miami CCTV NVR replacement project, Terminal B low voltage systems design.
- Port of Miami Water surveillance and radar system replacement project.

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

ACAI RD

EDUCATION

Military:

Micro Miniature Electronic Repair School – 1988
RD-358A Maintenance – 1988
Miniature Electronic Repair – 1987
Shipboard Soldering – 1986
Basic Concepts of Effective Leadership – 1986
Shipboard Firefighting – 1985
Integrated Shipboard Maintenance Support Supply School – 1985
Data Systems Technician “C” School – 1984
Data Systems Technician “A” School – 1983
Basic Electricity and Electronics – 1983

Civilian:

Florida International University – January 2008
Masters: Telecommunications and Networking, with Honors

University of Phoenix – October 2004
Bachelor of Science in Business Management, with Honors

City Colleges of Chicago – Attended 1986

Certifications:

Qognify- VisionHub - 2016
GBIC – LEED Green Associate - 2011
AEE- Fundamentals of Building Commissioning-2004
N.I.C.E digital systems administration – 2002
Centauri ATM system administration – 2002
Marconi ATM networks administration - 2002
National Institute for Certification in Energy Technologies “NICET”, Level 1 – 1998
Honeywell NET-615 Fire Alarm Codes and Standards – 1998
Metro Dade MTQ Deming Coach Certification - 1996
Dade County Supervisor Certification Program – 1996
Dade County Supervisor Safety – 1994
General FCC License # PG-7-16627 – 1990
Miniature Electronic Repair Technician, U.S. Navy # CH-0971 – 1988

Recognitions, Honors and Awards:

2013 GSN Homeland Security Award Program winner of the platinum award for “Most Notable Airport Security Program" for the innovative design of the Runway Incursion Detection System
Recognition by DHS Secretary Tom Ridge for “innovative State-of-the-Art Security System” as “Role Model system” for U.S. Airports
Received “Special Recognition Increase” for five continuous years of outstanding performance and excellence
Numerous awards received under the MIA “Awards and Recognition” Program – 1995 to present
Dade County Aviation Department – Employee of the Month December 1991
Meritorious Unit Commendation Medal (USCG)
Sea Service Ribbon
Good Conduct Medal
Four Commanding Officers Letters of Appreciations
Commanding Officer’s Letter of Commendation

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Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

DELTA Q consultants

MAIN: 800.403.5750
FAX: 888.413.5217
www.dqfire.com

Christopher F. Schemel, Ph.D., CFEI

Professional Overview

Dr. Christopher Schemel is an expert in fire and explosion dynamics and specializes in cause & origin investigations, process safety issues and loss prevention policy. His experience includes investigating large and small-scale fire and explosion incidents, including fire behavior of materials, wildland fire, large industrial incidents, explosion analysis, including vessel and vapor cloud explosions and gas migration, flammable liquid storage facilities and chemical reactivity/thermal runaway. Dr. Schemel teaches both in both industry and at the university level focusing in process safety engineering, fire & explosion dynamics, loss prevention engineering, risk assessment, hazard identification and consequence analysis. He conducts research into wildland fuel behavior, self-heating substances, thermal hazards in consumer products and loss prevention engineering systems.

Dr. Schemel routinely applies fundamental thermal sciences to analyze fire and explosion effects in engineered systems. He has extensive experience in food manufacturing processes including grain operations and combustible dust hazards, and prepared foods manufacturing. Dr. Schemel has also investigated industrial boiler explosions/puffs; specialty gas manufacturing facilities including transportation and storage cylinder incidents; oil refining and bulk storage (large storage tanks) facilities; underground distribution pipelines; bio-fuel facilities; underground mine fires and explosions; metals manufacturing (smelting and blast furnaces); large truck fires; consumer products; and systems with control board overheat/fires.

Dr. Schemel has conducted extensive product performance and safety research, testing and analysis on a variety of consumer and commercial products. He has developed and implemented custom experimental testing programs to identify fire and explosion hazards for design modifications, product recalls, patent related issues and analysis of marketing claims using statistical methods and experimental design to optimize testing programs and provide scientifically valid data.

In addition to industrial consulting, Dr. Schemel serves as an Adjunct Professor with a Courtesy Professors Appointment from the Chemical, Biological & Materials Engineering Department at the University of South Florida, Tampa. He regularly teaches courses in Process Safety and Ethics, Loss Prevention Engineering, Fire Dynamics, and Blast Effects. He serves on the Department's Industrial Advisory Board as Chair and has also served as a Subject Matter Expert in process safety, loss prevention and fire protection for The Saudi Arabian Oil Company. He is an active researcher and holds three US Patents; two for liquid fuels systems and one for smoke detection.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Professional Experience

2010-Present **President, Delta Q Consultants, Inc.** **Marco Island, FL**

In 2010, Dr. Schemel founded Delta Q Consultants, Inc., a professional scientific analysis firm that combines research, experimental, and laboratory testing capabilities with experienced engineers and subject matter experts. Dr. Schemel utilizes his extensive investigation experience to lead large-scale projects for clients and coordinate all aspects of incident investigations. He also designs customized testing programs and applies statistical analysis to find unidentified thermal hazards in products and processes.

2012-Present **Adjunct Professor (Courtesy Professor Appointment)**
ChBME Department, University of South Florida **Tampa, FL**

Dr. Schemel teaches undergraduate and graduate classes in Chemical Process Safety & Ethics, Fire Dynamics, Blast Wave Analysis and Loss Prevention Engineering. In addition, he supervises research in wildland fuel behavior.

2003-2010 **Senior Vice President, Packer Engineering Inc.** **Naperville, IL**

During his seven-year tenure, Dr. Schemel supported and led Packer Engineering's Chemical, Fire Science & Explosion Analysis Group. He investigated and reconstructed fire and explosion related issues in a variety of industries including large-scale flammable/combustible liquid storage facilities, mining operations, semi-conductor facilities, pharmaceutical manufacturing facilities and general storage facilities. He developed training programs for industrial clients in fire safety, risk analysis and loss prevention.

1999-2003 **Senior Engineer, Combustion Science & Engineering, Inc.** **Columbia, MD**

Dr. Schemel led projects related to fire science, fire safety engineering, fire incident investigations and fire hazard analyses. He participated in the development and patenting of a smoke detector notification device for the hearing impaired, funded by the National Institutes of Health, and the development and patenting of a lean, pre-mixed combustor fuel conditioner.

1996-1999 **Chemical Engineer, Hughes Associates, Inc.,** **Aiken, SC & Baltimore, MD**

Dr. Schemel performed fire and explosion hazard analyses and provided general chemical and process engineering support for several operational areas. He supported the Department of Energy nuclear weapons facilities at Savannah River, Hanford and the Rocky Flats Environmental Technology site.

1994-1996 **Chemical Engineer, Gasser Associates, Inc.** **Aiken, SC**

Dr. Schemel was a member of the Fire Hazards Analysis Team supporting work performed at the Department of Energy's Savannah River Site. He performed general chemical engineering activities as well as process and control system analyses. He routinely performed fire safety calculations and analyses in support of both nuclear and other site facilities and operations.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Academic

- Ph.D., School of Engineering and Electronics, Building Research Establishment Center for Fire Safety Engineering, University of Edinburgh, Edinburgh, Scotland, 2008
- M.S., Chemical Engineering, University of South Florida, Tampa, Florida, 1994
- B.S., Chemical Engineering, University of South Florida, Tampa, Florida 1992
- B.A., Social and Behavioral Sciences, University of South Florida 1987

Professional Awards

- Distinguished Alumni Award, 2017, College of Engineering, University of South Florida, Tampa, Florida.
- Global Award, Best Paper; International Seminar on Fire and Explosions Hazards, April 23-27, 2007, Edinburgh, United Kingdom.

Professional Affiliations

- Senior Member, American Institute of Chemical Engineers
- Member, Society of Fire Protection Engineers
- Member, National Fire Protection Association
- Member, International Association of Wildland Fire
- Member, American Chemical Society

Professional Development

- Certified Fire & Explosion Investigator, National Association of Fire Investigators, 2021
- University of Edinburgh and Institute of Fire Engineers, Fire Investigation, Fire Investigator Examination, 2006
- University of Edinburgh, Enclosure Fire Dynamics, 2006
- American Institute of Chemical Engineers Center for Chemical Process Safety, Evaluation of Vapor Cloud Explosion Hazards, 1997

Publications, Presentations and Invited Talks

Schemel, C.F. Keynote Address: Compressed Gas Association, Specialty Gases, *"Risk and Mitigation for Specialty Gasses",* CGA Specialty Gas Conference, September 2016.

Schemel, C.F., Invited Speaker: International Society of Mine Safety Professionals; "*Outside the Box"*, Risk and Mine Safety. West Palm Beach, Florida, July 2015.

Santangelo, P., Ryder, N., Marshall, A., Schemel, C. "Flammability of Solid Materials: An Experimental Calorimetric Approach", ASME IMECE-2011

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Schemel, C., Simeoni, A., Biteau, H., Rivera, J., Torero, J. "A Calorimetric Study of Wildland Fuels," Experimental Thermal and Fluid Science, 2009.

NL Ryder, CF Schemel, S Mannan, "Analysis of the Buncefield Oil Depot Explosion: Explosion Modeling and Process Safety Perspective". Proceedings of the Mary Kay O'Connor 2009 International Symposium.

NL Ryder, CF Schemel, S Mannan, "Design Requirements: A Comparison of Vapour Cloud Explosion Models and the Importance of Properly Assessing Potential Incident Impact." Proceedings of the Mary Kay O'Connor 2009 International Symposium.

Fioravante, N., Gasser, M., Schemel, C., "Sprinkler Codes and Recent Failure in Sprinkler Systems: Meeting the Code May Not Be Enough," DICTUC Seminar October 2007, Pontificia Universidad Catolica De Chile.

Schemel, C., Ryder, N., "Gas Dispersion Modeling and Implications for Facility Fire Safety Design," DICTUC Seminar October 2007, Pontificia Universidad Catolica De Chile.

Schemel, C., "Process Failure Analysis: Vacuum Pump Explosion Case Study," DICTUC Seminar October 2007, Pontificia Universidad Catolica De Chile.

Schemel, C., Simeoni, A., Biteau, H., Rivera, J., Torero, J. "A Calorimetric Study of Wildland Fuels," 5th Mediterranean Combustion Symposium, Monastir, Tunisia, September 9-13, 2007.

Rien et al (Schemel, C.), "Round-Robin Study of Fire Modeling using Dalmarnock Test," 5th International Seminar on Fire and Explosions Hazards, April 23-27, 2007, Edinburgh, United Kingdom. **(Global Award --- 1st Prize for best paper)**

Schemel, C., Rivera, J., Torero, J. "Calorimetric Study of Wildland Fuel Considering Porous Bed Effects," 5th International Seminar on Fire and Explosions Hazards, April 23-27, 2007, Edinburgh, United Kingdom.

Ryder, N., Schemel, C., and Jankiewicz, S., "Near and Far Field Contamination Modeling in a Large Scale Enclosure: Fire Dynamics Simulator comparisons with measured observations," Journal of Hazardous Materials, 130 (1), March 2006.

Ryder, N., Sutula, J., Schemel, C., Brunt, V.V., and Hamer, A., "Consequence modeling using the fire dynamics simulator," Journal of Hazardous Materials, November 2004.

Ryder, N., Schemel, C., and Jankiewicz, S., "Comparing Large Eddy Simulation and Finite Element Analysis Predicted Failure Criteria to ASTM Standards," presented to the ASM 2004 Materials Solutions Conference, Columbus, Ohio, 2004.

Ryder, N., Schemel, C., and Jankiewicz, S., "Near and Far Field Contamination Modeling in a Large Scale Enclosure: Fire Dynamics Simulator comparisons with measured observations," Proceedings 2004 Mary Kay O'Connor Process Safety Symposium, College Station, TX.

Ryder, N., Sutula, J., Schemel, C., Brunt, V.V., and Hamer, A., "Consequence modeling of fire using Large Eddy Simulation," Proceedings 2003 Mary Kay O'Connor Process Safety Symposium, College Station, TX.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Bukosski, R.W., Budnick, E.K., Schemel, C.F. "Estimates of the Operational Reliability of Fire Protection Systems," Third International Conference on Fire Research and Engineering. National Institute of Standards and Technology, Chicago, IL, October, 1999.

Gottuk, D.T., Hill, S.A., Schemel, C.F., Strehlen, B.D., "Identification of Fire Signatures for Shipboard Multi-criteria Fire Detection Systems," Naval Research Laboratory, Washington, D.C., 1999.

Schemel, C.F., Van Brunt, V., Budnick, E.K. "Developing Inspection, Testing and Maintenance Programs for use in Risk Based Analysis," Proceeding of the Reliability and Risk Management Symposium, Society of Fire Protection Engineers. May, 1999.

Schemel, C.F., Budnick, E.K., "Pilot Study: Analyzing Fire Protection System Reliability Using Limited Databases," Proceeding of the Fire Suppression and Detection Research Application Symposium, Fire Protection Research Foundation, February, 1999.

Schemel, S.D., Schemel, C.F., Van Brunt, V., "Methodology for Determining Reliability of Foam Suppression." System Using Fuzzy Set Theory and Fault Tree Analysis," Proceeding of the International Conference and Workshop on Reliability and Risk Management, Center for Chemical Process Safety of the American Institute of Chemical Engineers, September, 1998.

Schemel, C.F., Hopkins, J.L., Campbell, S.W., Bhethanabotla, V.R. "Pressure Swing Adsorption as a Separations Experiment," 1992 Annual Meeting: American Society of Engineering Educators, Toledo, Ohio, June 1992.

Patents

System for Vaporization of Liquid Fuels for Combustion and Method of Use,
U.S. Patent number 7,089,745

System for Vaporization of Liquid Fuels for Combustion and Method of Use,
U.S. Patent number 7,322,198

Method and Apparatus for Indicating Activation of a Smoke Detector Alarm,
U.S. Patent number 7,015,807

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Charles R. Faust Jr. (Chuck)

CFaust@usutilitypotholing.com

Experience

2014 - Present
US Utility Potholing & Air Excavation — Oakland Park, FL

- Business Development and Sales
- Utility Locating/ Coordinating
- Customer Relations
- Field Operations

2006- 2014
BC Surf & Sport — Ft Lauderdale, FL

- Managed design and layout of BC Surf & Sport's Flagship store in Ft Lauderdale.
- Launched BC Surf & Sports online presence
- Assisted in managing POS Software from DOS based to Windows Based Software (Celerant.)
- Regional Manager of 3 stores in South Florida.
- General Manager of BC Surf & Sport (FT Lauderdale)
- Buyer for Hardgoods Wetsuits
- Managed Marketing and Sales for online and in Store
- Was integral person in developing Licensed Billabong Store in Deerfield Beach which led to 3 more Billabong Licensed stores in South Florida.
- Instituted BC Surf & Sports presence in the Ft Lauderdale Boat Show

1991-2009
Owner of Management Services of Indiana Inc. — Coral Springs, FL

- Operated BC Surf & Sport of Coral Springs
- Managed Buildout and Design of 2 different locations in Coral Springs.
- Negotiated leases.
- Managed Software integration from DOS Based POS Software to Windows based Quickbooks Point of Sale.
- Managed buyers and retail staff
- Designed and Managed online retail store www.apertureboadshop.com
- Desinged and Managed online closeout website www.blowinitout.com
- Managed Skate Park for the City of Coral Springs under Skate Concessions LLC

Other items

- Holds a Certificate in Utility Locating
- Holds Certificicate in advance Pipe Cleaning

Skills

- Expertise in utility locating practices and procedures
- Knowledge of reading utility prints
- Ability to use locating equipment to determine location of utilities
- Knowledge of materials, equipment, rules, regulations, and ordinances governing the installation, repair, and maintenance of underground utlities
- Ability to mark areas with paint/and or flags that is specified for each utility
- Sub-Surface Utility Reporting with proprietary software

Sub Surface Utility Exploration Projects:

US UTILITY POTHOLING & AIR EXCAVATION

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

- FDOT I-95 Express Way Lanes Broward County
- FDOT 826/I75 Express Lanes Project, Miami, FL
- Dania Beach Catch Basin 5, Dania Beach, FL
- Minto West, Loxahatchee, FL
- Mount Sinai Hospital, Miami Beach, FL

Affiliations:

- Underground Contractors Association South Florida
- American Society of Civil Engineers (Affiliate Member)

Marryshow Celestine Bartholomew

Experience

Keith and Associates – 4 years
Sub Surface Utility Engineer.

Job details:

- Lead on truck
- Locate and document – underground utilities " pot holding "
- Trained in ground-penetrating equipment
- Sketching and field report

Eric Degenaar

Certifications: Osha 10 hour & Large Diameter Pipe Cleaning

Experience

US Utility Potholing & Air Excavation - SUE 1 – Vac truck Labor (July 2018 – present)
Expose utilities, Vack / Compound Fill, Potholing, Catch Basin Cleaning

Water Taxi Maintenance (Jan 2018 through May 2018)
Clean and repair boats as necessary.

Dicks Sanitation Driver (Jan 2016 through Jan 2017)
Garbage, truck route and driver

Chamley Pipe and Salvage Driver (Jan 2015 through Jan 2016)
Worked as main lead on Vac truck. Completing soft digs and designating. DOT qualified

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Marvin Parkins

Experience

Designator - InfraMap (April 2018- Present)
Lead designator in field. Used GPR, RD 8100,VIVAX and A10 to locate underground utilities. Provided detail sketches to clients of designated area. Able to proficiently set up MOT.

Designator - Keith and Associates, Inc. (November 2014- March 2018)
Experienced underground utility locator using equipment such as gpr-gssi, rd 8000 and vivax utility scanner. Provided thorough sketches after designating was complete. MOT certified. Main lead on vac truck in soft digs. Able to take lead initiative. Excellent problem-solving skills in locating underground utilities.

SUE Technician - Cardno TBE, Fort Lauderdale (November 2010- September 2014)
Worked as main lead on Vac truck. Completing soft digs and designating. DOT qualified.

Kevoy Spence

Experience

Rebar Worker - 2018-2020 – Promex
Position and secure steel bars, rods, cables, or mesh in concrete forms, using fasteners, rod-bending machines, blowtorches, or hand tools. Cut rods to required lengths, using metal shears, hacksaws, bar cutters, or acetylene torches.

SUE Technician - 2021 – Present – Us Utility Potholing & Air Excavation

- Safety and adhering to safety culture.
- Awareness of the outdoor environment.
- Interest in advanced technologies.
- Assists with flagging and marking of utilities.
- Potholes

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

AIRPORT JET BLAST & NOISE PROTECTION
ISO 9001:2008 REGISTERED

CURRICULUM VITAE

Name: **Rich Kirkman**

Present Position: Director of Research & Development 2013 to present
Blast Deflectors, Inc.

Experience Mr. Kirkman's major responsibilities at BDI include Research & Development for new products, aerodynamic analysis of existing and new products, and atmospheric wind data analysis for site planning. His research & development efforts have led to new products, such as the vertivent for GRE's. Aerodynamic analysis includes running fully three-dimensional CFD models of site configurations for BDI products, such as GRE's and JBD's complete with aircraft and multiple jet engines. In addition, aerodynamic analysis includes running physical scale models of site configurations for BDI products and collecting velocity, pressure, and flow visualization data. Wind data analysis takes archived wind data and makes probability distribution of prevailing winds for GRE orientation and availability. Also, Richard collects field measurements of aerodynamic data for full-scale testing of BDI facilities.

Career: Kirkman Aerodynamics – Founder 2010 to present
Scientific Consultant
Perform aerodynamic analysis of prototype racecar bodies, drag racing air intake systems (hood scoops), and jet engines in ground effect using computational fluid dynamics and wind tunnel measurements

ATK Thiokol – Test Engineer 2003 to 2004
Designed & built experiments for return to flight for the space shuttle program. Specialized work in heat flux testing, development of light gas high-speed guns, and heat transfer experiments in vacuum.

Education: University of Utah – Ph. D. Spring 2010
Dissertation Topic: Computational Sensitivity Analysis of Wall-Bounded Flows

University of Utah – M.S.M.E. Fall 2006

Idaho State University B.S.M.E. Fall 2002

Awards: Professional (ATK Thiokol)
Creating Value & ATK Achievement Award, 2003
Creating Value Award, 2004

University of Utah
Wayne Brown Fellowship, 2003 – 2004

Idaho State University
College of Engineering Outstanding Student, 2003
Dean's list, Spring 2000 to Fall 2002
College of Engineering Best Written Senior Design Report, 2002

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Honor Societies
Phi Kappa Phi
Golden Key
Pi Beta Tau (engineering)
Sigma Xi (research)

Scholarships
Bob Thompson
Rural American Scholarship
Richard C. Deus

Brigham Young University
Presidential Scholarship,1988

Experience:

University of Utah

Post-Doctoral Researcher 2010 – 2011
Simulating Rough-Wall & Accelerating Flows using computational Fluid Dynamics: Research methods to reduce turbulence generated acoustic noise by either local acceleration of turbulent boundary layers or drag-reducing rough-wall turbulent boundary layers. The current work combines direct numerical simulations of low-Reynolds number turbulent flows with immersed boundary methods for Cartesian grids.

Graduate Research Assistant 2003-2009
Computational Fluid Dynamics & Sensitivity Analysis (Fall 2005 to Fall 2009): Development of combined CFD/Sensitivity codes using finite volume techniques & projection methods. Specifically, direct numerical simulations of low-Reynolds number turbulent channel flows with both smooth and rough walls.

Complex Flow Generation in Virtual Environments (Fall 2004 to Fall 2009): Development of a conceptual design wind tunnel for adding haptic wind sensation to the University of Utah TreadPort CAVE-type virtual environment. Work includes numerical model development using FLUENT software and the construction of a scale-model prototype (See Conference Publications). Project Website: http://www.cs.utah.edu/research/areas/ve/TPAWT.html

CFD Tutorial (Fall 2005 to Spring 2006): Wrote tutorial for undergraduate fluids class for unsteady analysis of flow around a circular cylinder using GAMBIT & FLUENT software.

Wind Tunnel Drag Measurements (Summer 2004): Performed wind tunnel experiments to measure the drag of a composite truss structure.

Turbulent Boundary Layer Research (Fall 2003 to Spring 2004): Performed hot-wire anemometry experiments in a boundary-layer wind tunnel for statistical analysis of turbulence.

Idaho State University

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

Undergraduate Research 2000-2002
Operator of ISU's Structural Dynamics Laboratory & performed dynamic condition response tests for INL. Research in solving transient heat transfer problems using the matrix exponential method. Research in nonlinear base isolation material.

Patents:

Lynn, Christopher, and Boe, M., and Kirkman, R.,
"Apparatus and Method for Deflecting Airflow in a Structure with a Vented Rear Wall." Patent No. US-9,056,668 B1.

Kirkman, R., and Metzger, M.,
"Compact Environmental Wind Tunnel," (Disclosure Submitted to TCO 2-2006.

Section E: Evaluation Criteria

Ability of Professional Personnel - Resumes

AIRPORT JET BLAST & NOISE PROTECTION
ISO 9001:2008 REGISTERED

Blast Deflectors

CURRICULUM VITAE

Name: **Ross E. Titlow, P.E.**

Present Position: Engineering Manager — 2008 to present
Blast Deflectors, Inc.

Experience: As a Project Engineer, Mr. Titlow is responsible for structural design and analysis for both jet blast deflectors (JBD) and ground run-up enclosures (GRE). He has experience in both computer modeling and field analysis of JBD's and GRE's.

Below please find a partial listing of representative project design experience.

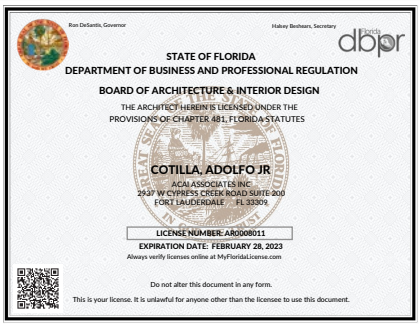
- O'Hare International Airport – Structural design and analysis of taxi/breakaway jet blast deflector for commercial aircraft.
- Barnes Air National Guard Base – Structural analysis of taxi/breakaway jet blast deflector for F-15, F-16, and F-22 aircraft.
- Southern California Logistics Airport – Field testing and analysis of full-power jet blast deflector for commercial aircraft (GEnx aircraft engine).
- Zurich Airport– Structural analysis of ground run-up enclosure and full-power jet blast deflector for commercial aircraft.
- Winnipeg James Armstrong Richardson International Airport – Structural analysis and noise wall component design for ground run-up enclosure.
- Abbotsford International Airport – Structural analysis of full-power jet blast deflector for commercial aircraft.
- Vancouver International Airport – Structural analysis of ground run-up enclosure and full-power jet blast deflector for commercial aircraft.
- Seletar Airport (Singapore) – Structural analysis of ground run-up enclosure and full-power jet blast deflector for commercial aircraft.
- Dallas/Fort Worth International Airport – Field testing and analysis of full-power jet blast deflector for commercial aircraft (GE90-115B aircraft engine).
- Al Ain (AMMROC) – Structural analysis of ground run-up enclosure and full-power jet blast deflector for military cargo and fighter (full afterburner) aircraft.
- Airbus Hamburg Finkenwerder – Structural analysis of ground run-up enclosure and full-power jet blast deflector for Airbus single aisle production. Facility is four-sided with a gated entry.

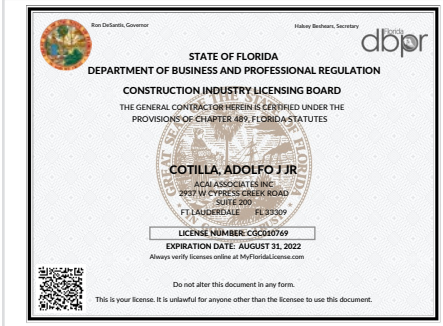
Education: B.S. Civil Engineering, University of Nevada Reno, 2008

Affiliations: American Society of Civil Engineers, Member
American Institute of Steel Construction, Professional Member
Registered Professional Engineering, Nevada

Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications


STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
COTILLA, ADOLFO JR
ACAI ASSOCIATES INC
2937 W CYPRESS CREEK ROAD SUITE 200
FORT LAUDERDALE FL 33309
LICENSE NUMBER: AR0008011
EXPIRATION DATE: FEBRUARY 28, 2023
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD
THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES
COTILLA, ADOLFO J JR
ACAI ASSOCIATES INC
2937 W CYPRESS CREEK ROAD
SUITE 200
FT LAUDERDALE FL 33309
LICENSE NUMBER: CGC010769
EXPIRATION DATE: AUGUST 31, 2022
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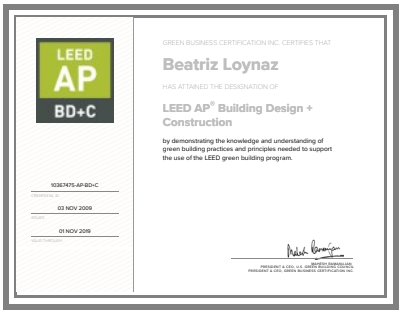

IBEC
International Institute of Building Enclosure Consultants
hereby recognizes
Adolfo J. Cotilla, Jr., AIA
as
Consultant
Member
10419
Member ID #
2021-06-30
Membership Expires

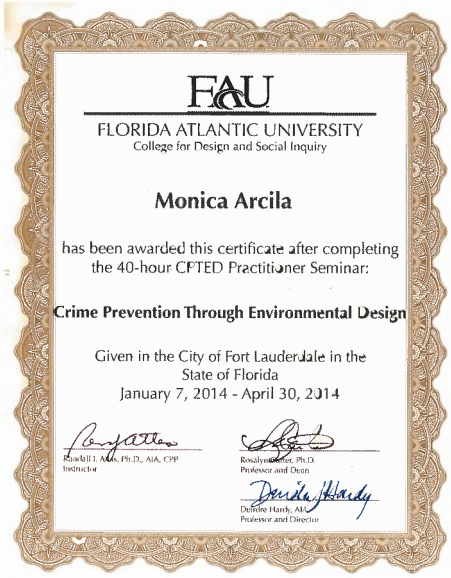

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
PRIETO, FERNANDO RAMON
TEAM ARCHITECTURE INC
2328 10TH AVEN
SUITE 100
LAKE WORTH FL 33461
LICENSE NUMBER: AR0008340
EXPIRATION DATE: FEBRUARY 28, 2023
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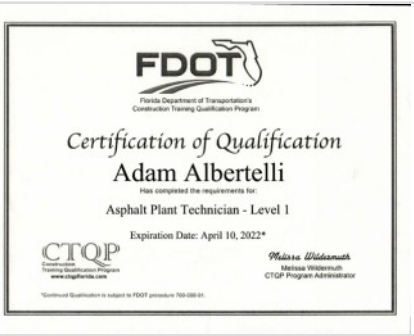

GBCI
GREEN BUILDING CERTIFICATION INSTITUTE
Galen VonGleich
LEED® ACCREDITED PROFESSIONAL
June 6, 2006

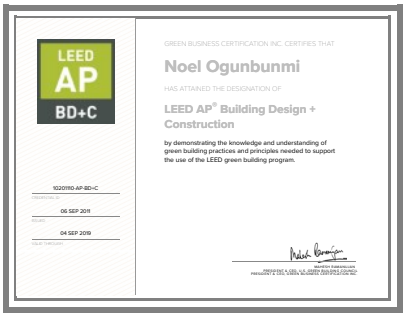

GBCI
GREENBUILDING CERTIFICATION INSTITUTE
Paul Pannier
LEED® ACCREDITED PROFESSIONAL
March 24, 2009

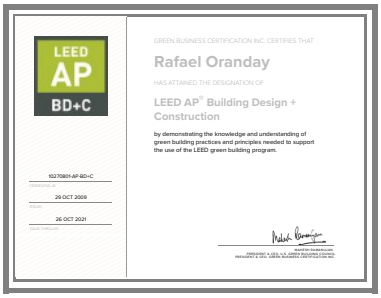

LEED GREEN ASSOCIATE
Bruce Davis AIA
LEED GREEN ASSOCIATE
by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED® Green Building Rating System™.
23 JUL 2013
23 JUL 2015


LEED AP BD+C
GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT
Beatriz Loynaz
HAS ATTAINED THE DESIGNATION OF
LEED AP® Building Design + Construction
by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.
03 NOV 2009
01 NOV 2019

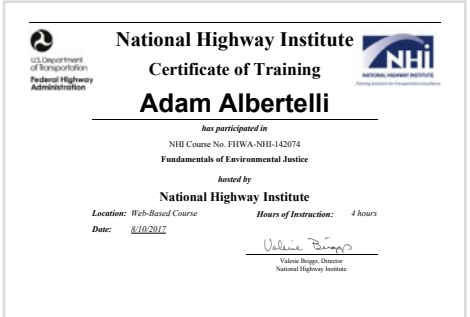

FAU
FLORIDA ATLANTIC UNIVERSITY
College for Design and Social Inquiry
Monica Arcila
has been awarded this certificate after completing the 40-hour CPTED Practitioner Seminar:
Crime Prevention Through Environmental Design
Given in the City of Fort Lauderdale in the State of Florida
January 7, 2014 - April 30, 2014
Ronald L. Ahles, Ph.D., AIA, CPP
Instructor
Rosalyn Cooper, Ph.D.
Professor and Dean
Denise Hardy, AIA
Professor and Director


FDOT
Florida Department of Transportation's Construction Training Qualification Program
Certification of Qualification
Adam Albertelli
Has completed the requirements for:
Asphalt Plant Technician - Level 1
Expiration Date: April 10, 2022*
CTQP
Melissa Wildermuth
CTQP Program Administrator


LEED AP BD+C
GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT
Noel Ogunbunmi
HAS ATTAINED THE DESIGNATION OF
LEED AP® Building Design + Construction
by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.
06 SEP 2011
04 SEP 2019


LEED AP BD+C
GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT
Rafael Oranday
HAS ATTAINED THE DESIGNATION OF
LEED AP® Building Design + Construction
by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.
29 OCT 2009
26 OCT 2021

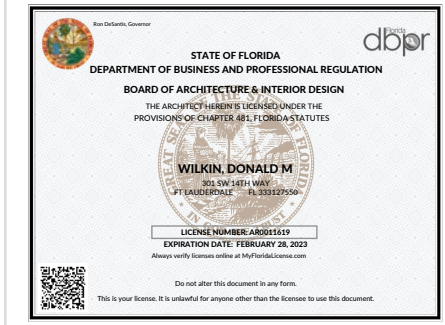

National Institute of BUILDING SCIENCES
CERTIFICATE OF COMPLETION
THIS IS TO CERTIFY THAT
Brian Spence
ACAI Associates, Inc.
Phone # (954) 484-4000
SUCCESSFULLY COMPLETED
CONTINUING EDUCATION DISTANCE PROGRAM
Introduction to COBie
on
September 11, 2016
trainings.nibs.org
EARNING
2.0 AIA/CES LEARNING UNITS

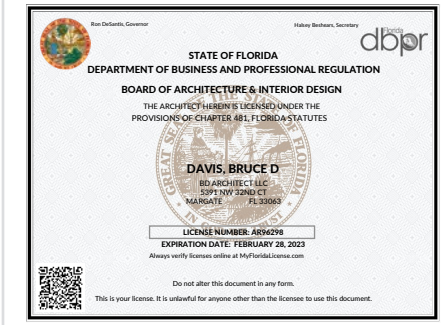

U.S. Department of Transportation
Federal Highway Administration
National Highway Institute
Certificate of Training
Adam Albertelli
has participated in
NHI Course No. FHWA-NHI-142074
Fundamentals of Environmental Justice
hosted by
National Highway Institute
Location: Web-Based Course
Hours of Instruction: 4 hours
Date: 8/10/2017
Valerie Briggs, Director
National Highway Institute

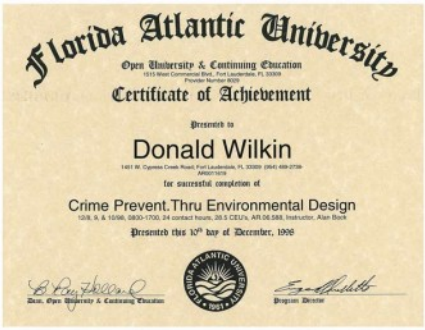
Section E: Evaluation Criteria

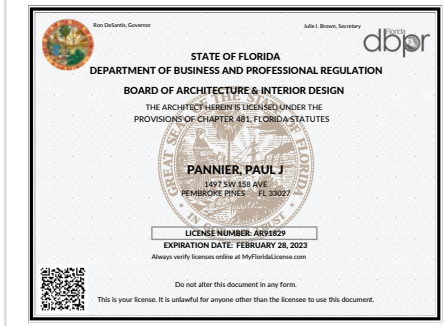
Ability of Professional Personnel - Licenses and Certifications

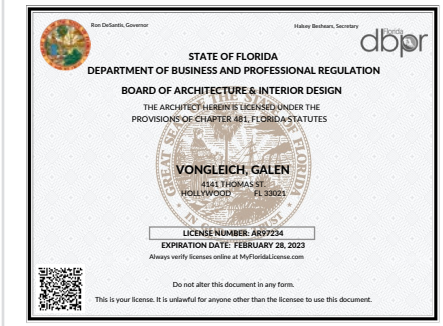

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
LOYNAZ, BEATRIZ J
14340 ARLINGTON PLACE
DAVIE FL 33325
LICENSE NUMBER: AR96018
EXPIRATION DATE: FEBRUARY 28, 2023
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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
WILKIN, DONALD M
301 SW 14TH WAY
FT LAUDERDALE FL 333127550
LICENSE NUMBER: AR0011619
EXPIRATION DATE: FEBRUARY 28, 2023
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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
DAVIS, BRUCE D
BD ARCHITECT LLC
5391 NW 32ND CT
MARGATE FL 33063
LICENSE NUMBER: AR96298
EXPIRATION DATE: FEBRUARY 28, 2023
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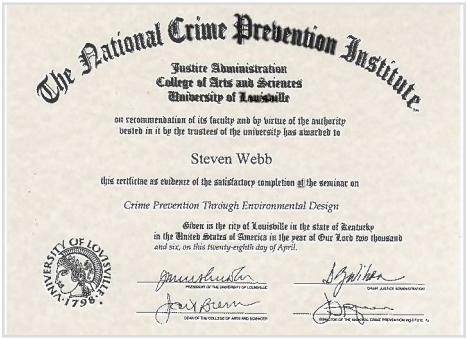

Florida Atlantic University
Open University & Continuing Education
Certificate of Achievement
Presented to
Donald Wilkin
for successful completion of
Crime Prevent.Thru Environmental Design
Presented this 10th day of December, 1998


STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
PANNIER, PAUL J
1497 SW 158 AVE
PEMBROKE PINES FL 33027
LICENSE NUMBER: AR91829
EXPIRATION DATE: FEBRUARY 28, 2023
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN
THE ARCHITECT HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
VONGLEICH, GALEN
4141 THOMAS ST.
HOLLYWOOD FL 33021
LICENSE NUMBER: AR97234
EXPIRATION DATE: FEBRUARY 28, 2023
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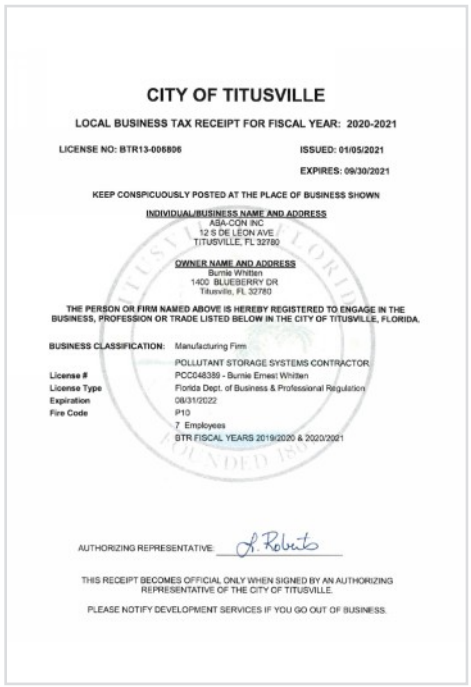

International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001
The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.
Not valid unless signed by certificate holder.
CC Certification attests to competent knowledge of codes and standards.

International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001
The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.
Not valid unless signed by certificate holder.
CC Certification attests to competent knowledge of codes and standards.


The National Crime Prevention Institute
Justice Administration
College of Arts and Sciences
University of Louisville
on recommendation of its faculty and by virtue of the authority vested in it by the trustees of the university has awarded to
Steven Webb
this certificate as evidence of the satisfactory completion of the seminar on
Crime Prevention Through Environmental Design
Given in the city of Louisville in the state of Kentucky in the United States of America in the year of Our Lord two thousand and six, on this twenty-eighth day of April.

Ability of Professional Personnel - Licenses and Certifications

ABA-CON



CITY OF TITUSVILLE

LOCAL BUSINESS TAX RECEIPT FOR FISCAL YEAR: 2020-2021

LICENSE NO: BTR13-006806 ISSUED: 01/05/2021

EXPIRES: 09/30/2021

KEEP CONSPICUOUSLY POSTED AT THE PLACE OF BUSINESS SHOWN

INDIVIDUAL/BUSINESS NAME AND ADDRESS
ABA-CON INC
12 S DE LEON AVE
TITUSVILLE, FL 32780

OWNER NAME AND ADDRESS
Burnie Whitten
1400 BLUEBERRY DR
Titusville, FL 32780

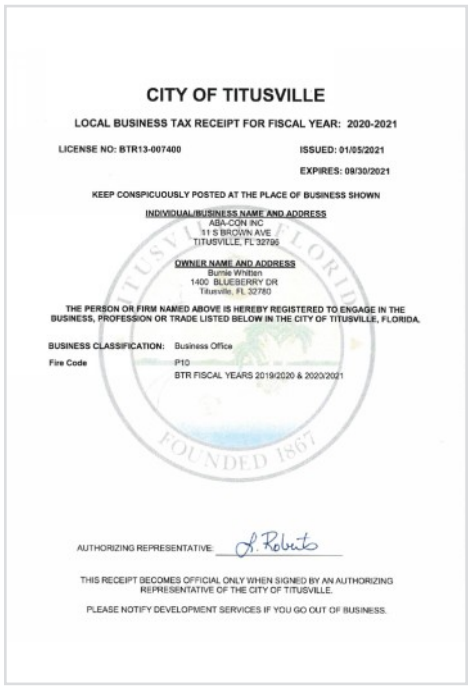
THE PERSON OR FIRM NAMED ABOVE IS HEREBY REGISTERED TO ENGAGE IN THE BUSINESS, PROFESSION OR TRADE LISTED BELOW IN THE CITY OF TITUSVILLE, FLORIDA.

BUSINESS CLASSIFICATION: Manufacturing Firm
POLLUTANT STORAGE SYSTEMS CONTRACTOR
License # PCC048389 - Burnie Ernest Whitten
License Type Florida Dept. of Business & Professional Regulation
Expiration 08/31/2022
Fire Code P10
7 Employees
BTR FISCAL YEARS 2019/2020 & 2020/2021

AUTHORIZING REPRESENTATIVE:

THIS RECEIPT BECOMES OFFICIAL ONLY WHEN SIGNED BY AN AUTHORIZING REPRESENTATIVE OF THE CITY OF TITUSVILLE.

PLEASE NOTIFY DEVELOPMENT SERVICES IF YOU GO OUT OF BUSINESS.



CITY OF TITUSVILLE

LOCAL BUSINESS TAX RECEIPT FOR FISCAL YEAR: 2020-2021

LICENSE NO: BTR13-007400 ISSUED: 01/05/2021

EXPIRES: 09/30/2021

KEEP CONSPICUOUSLY POSTED AT THE PLACE OF BUSINESS SHOWN

INDIVIDUAL/BUSINESS NAME AND ADDRESS
ABA-CON INC
115 BROWN AVE
TITUSVILLE, FL 32796

OWNER NAME AND ADDRESS
Burnie Whitten
1400 BLUEBERRY DR
Titusville, FL 32780

THE PERSON OR FIRM NAMED ABOVE IS HEREBY REGISTERED TO ENGAGE IN THE BUSINESS, PROFESSION OR TRADE LISTED BELOW IN THE CITY OF TITUSVILLE, FLORIDA.

BUSINESS CLASSIFICATION: Business Office
Fire Code P10
BTR FISCAL YEARS 2019/2020 & 2020/2021

AUTHORIZING REPRESENTATIVE:

THIS RECEIPT BECOMES OFFICIAL ONLY WHEN SIGNED BY AN AUTHORIZING REPRESENTATIVE OF THE CITY OF TITUSVILLE.

PLEASE NOTIFY DEVELOPMENT SERVICES IF YOU GO OUT OF BUSINESS.



Ron DeSantis, Governor Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER: PCC048389 EXPIRATION DATE: AUGUST 31, 2022

THE POLLUTANT STORAGE SYSTEMS CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

WHITTEN, BURNIE ERNEST
ABA-CON INC
1865 JAMES CIRCLE
TITUSVILLE FL 32780

ISSUED: 06/26/2020

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better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

Ron DeSantis, Governor Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER: PCC048389 EXPIRATION DATE: AUGUST 31, 2022

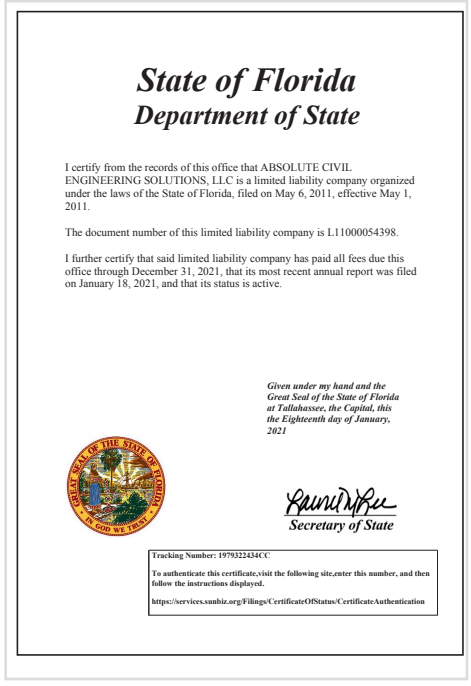
THE POLLUTANT STORAGE SYSTEMS CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

WHITTEN, BURNIE ERNEST
ABA-CON INC
1865 JAMES CIRCLE
TITUSVILLE FL 32780

ISSUED: 06/26/2020

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Absolute Civil Engineering Solutions



State of Florida
Department of State

I certify from the records of this office that ABSOLUTE CIVIL ENGINEERING SOLUTIONS, LLC is a limited liability company organized under the laws of the State of Florida, filed on May 6, 2011, effective May 1, 2011.

The document number of this limited liability company is L11000054398.

I further certify that said limited liability company has paid all fees due this office through December 31, 2021, that its most recent annual report was filed on January 18, 2021, and that its status is active.

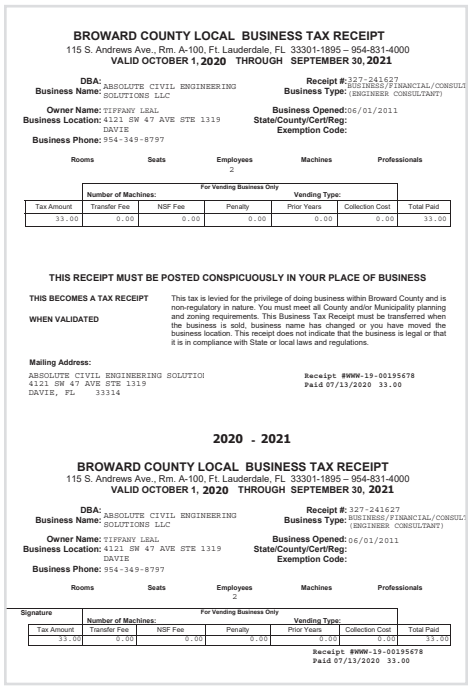
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighteenth day of January, 2021

Secretary of State

Tracking Number: 1979322434CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ABSOLUTE CIVIL ENGINEERING SOLUTIONS LLC
Owner Name: TIFFANY LEAL
Business Location: 4121 SW 47 AVE STE 1319 DAVIE
Business Phone: 954-349-8797
Receipt #: 327-241627
Business Type: BUSINESS/FINANCIAL/CONSULT (ENGINEER CONSULTANT)
Business Opened: 06/01/2011
State/County/Cert/Reg:
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		2		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	0.00	0.00	0.00	0.00	0.00	33.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

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

Mailing Address:
ABSOLUTE CIVIL ENGINEERING SOLUTIO
4121 SW 47 AVE STE 1319
DAVIE, FL 33314

Receipt #WWW-19-00195678
Paid 07/13/2020 33.00

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ABSOLUTE CIVIL ENGINEERING SOLUTIONS LLC
Owner Name: TIFFANY LEAL
Business Location: 4121 SW 47 AVE STE 1319 DAVIE
Business Phone: 954-349-8797
Receipt #: 327-241627
Business Type: BUSINESS/FINANCIAL/CONSULT (ENGINEER CONSULTANT)
Business Opened: 06/01/2011
State/County/Cert/Reg:
Exemption Code:

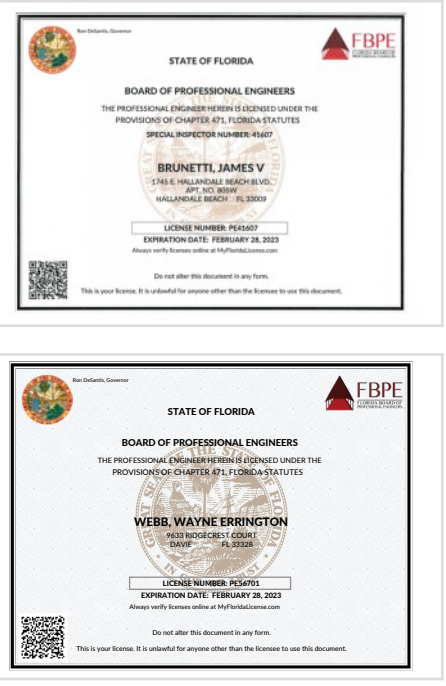
Rooms	Seats	Employees	Machines	Professionals
		2		

Signature

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
33.00	0.00	0.00	0.00	0.00	0.00	33.00

Receipt #WWW-19-00195678
Paid 07/13/2020 33.00



Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SPECIAL INSPECTOR NUMBER: 41607

BRUNETTI, JAMES V
1745 E. HALLANDALE BEACH BLVD.
APT. NO. 805W
HALLANDALE BEACH FL 33009

LICENSE NUMBER: PE41607
EXPIRATION DATE: FEBRUARY 28, 2023

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Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

WEBB, WAYNE ERRINGTON
9633 RIDGECREST COURT
DAVIE FL 33328

LICENSE NUMBER: PE36701
EXPIRATION DATE: FEBRUARY 28, 2023

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Ability of Professional Personnel - Licenses and Certifications

Biagi and Associates Engineering



BUSINESS TAX RECEIPT
CITY OF OAKLAND PARK
2020-2021

MAILING ADDRESS — ISSUED DATE: February 11, 2020

BIAGI AND ASSOCIATES ENGINEERING LLC
555 NW 44 ST
OAKLAND PARK, FL 33309

NAME AND LOCATION OF LICENSEE

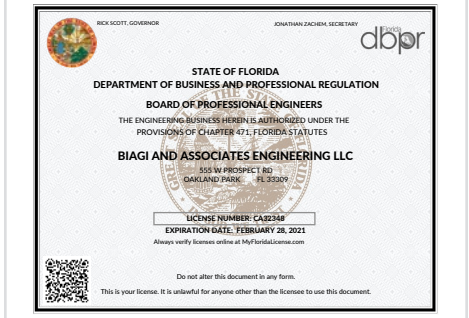
BIAGI AND ASSOCIATES ENGINEERING LLC
555 NW 44 ST
OAKLAND PARK, FL 33309

LICENSE NUMBER 2021002162
ORIGINAL NUMBER 201600349
LICENSE EXPIRES 9/30/2021

THE PERSON OR FIRM NAMED ABOVE IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS PROFESSION OR OCCUPATION LISTED BELOW IN THE CITY OF OAKLAND PARK FLORIDA.

BUSINESS CODE 15730
BUSINESS DESCRIPTION PROFESSIONAL ENGINEER
RESTRICTIONS

LICENSE MUST BE CONSPICUOUSLY POSTED AT THE PLACE OF BUSINESS SHOWN



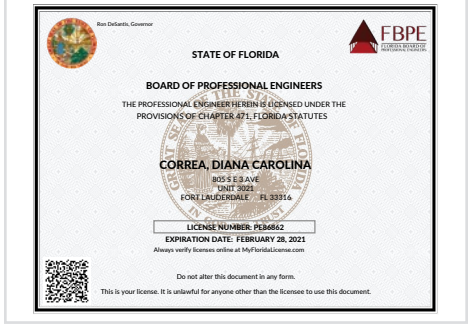
RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY — dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BIAGI AND ASSOCIATES ENGINEERING LLC
555 W PROSPECT RD
OAKLAND PARK FL 33309

LICENSE NUMBER: CA32348
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor — FBPE

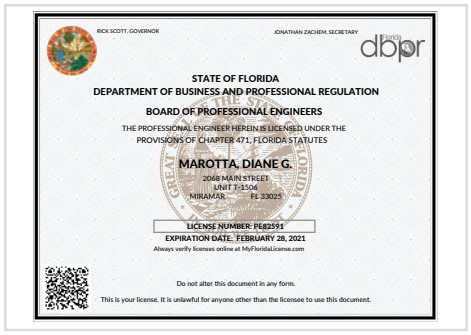
STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

CORREA, DIANA CAROLINA
805 S E 3 AVE
UNIT 3021
FORT LAUDERDALE FL 33316

LICENSE NUMBER: PE86862
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY — dbpr

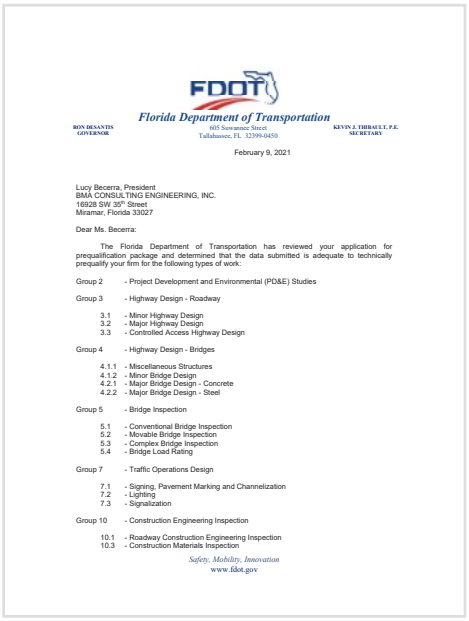
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MAROTTA, DIANE G.
2048 MAIN STREET
UNIT T-1504
MIRAMAR FL 33025

LICENSE NUMBER: PE82591
EXPIRATION DATE: FEBRUARY 28, 2021
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BMA Consulting Engineering



FDOT
Florida Department of Transportation
RON DESANTIS GOVERNOR — 605 Suwannee Street, Tallahassee, FL 32399-0450 — KEVIN J. THIBAULT, P.E. SECRETARY

February 9, 2021

Lucy Becerra, President
BMA CONSULTING ENGINEERING, INC.
16928 SW 35th Street
Miramar, Florida 33027

Dear Ms. Becerra:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 2 - Project Development and Environmental (PD&E) Studies
Group 3 - Highway Design - Roadway
3.1 - Minor Highway Design
3.2 - Major Highway Design
3.3 - Controlled Access Highway Design
Group 4 - Highway Design - Bridges
4.1.1 - Miscellaneous Structures
4.1.2 - Minor Bridge Design
4.2.1 - Major Bridge Design - Concrete
4.2.2 - Major Bridge Design - Steel
Group 5 - Bridge Inspection
5.1 - Conventional Bridge Inspection
5.2 - Movable Bridge Inspection
5.3 - Complex Bridge Inspection
5.4 - Bridge Load Rating
Group 7 - Traffic Operations Design
7.1 - Signing, Pavement Marking and Channelization
7.2 - Lighting
7.3 - Signalization
Group 10 - Construction Engineering Inspection
10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection

Safety, Mobility, Innovation
www.fdot.gov



City of Miramar
Business Tax Receipt
Issue Date: 10/01/2020
Expiration Date: 09/30/2021

Business ID
20000281

(954) 602-3040 or (954) 602-3061 Phone
(954) 602-3470 or (954) 602-4498 Fax
businesstax@miramarfl.gov

BMA CONSULTING ENGINEERING INC
JESUS MUSTAFA
16928 SW 35 STREET
MIRAMAR, FL 33027 USA

Home-Based Restrictions Only
Mail & Phone Only
No Employees at Home
No Work on Premises
No Clients at Home
No Deliveries to Home
Office Only

Cottage-Based Restrictions
Cottage food businesses are allowed in accordance with Florida Statute 500.80, except that the home shall not be used for retail. Please see regulations title 21 part 101.
Only one employee allowed which includes family members residing at the home. No commercial vehicles parked overnight on the premises.

BUSINESS TAX RECEIPT

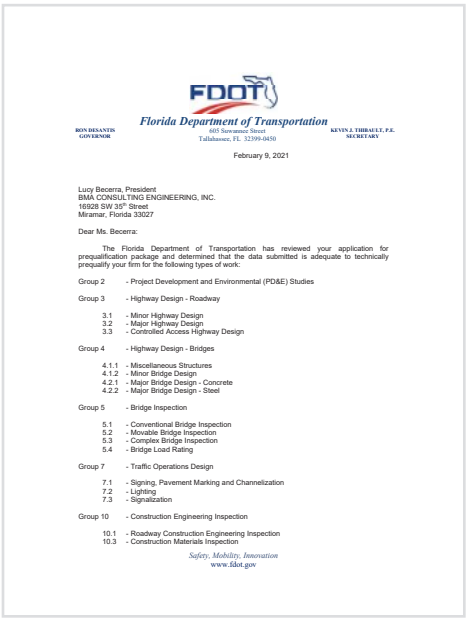
This is to certify that the person or firm named herein has paid into my hands minimum payment of tax as set out herein for the use and benefit of the City aforesaid, and is licensed to engage in the business of:

PROFESSION ENGINEERS 29902

Business Location:
16928 SW 35 STREET
MIRAMAR FL 33027

MIRAMAR
BEAUTY AND PROGRESS
EST 1955

This License is NOT Transferable
Your Business Tax Receipt Must be displayed.



FDOT
Florida Department of Transportation
RON DESANTIS GOVERNOR — 605 Suwannee Street, Tallahassee, FL 32399-0450 — KEVIN J. THIBAULT, P.E. SECRETARY

February 9, 2021

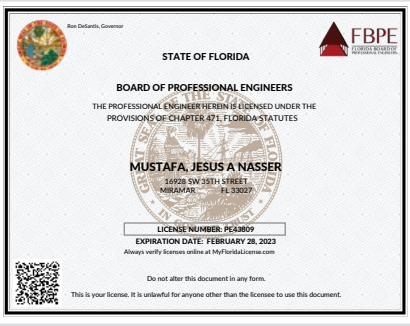
Lucy Becerra, President
BMA CONSULTING ENGINEERING, INC.
16928 SW 35th Street
Miramar, Florida 33027

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7.1 - Signing, Pavement Marking and Channelization
7.2 - Lighting
7.3 - Signalization
Group 10 - Construction Engineering Inspection
10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection

Safety, Mobility, Innovation
www.fdot.gov



Ron DeSantis, Governor — FBPE

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MUSTAFA, JESUS A NASSER
16928 SW 35TH STREET
MIRAMAR FL 33027

LICENSE NUMBER: PE43809
EXPIRATION DATE: FEBRUARY 28, 2023
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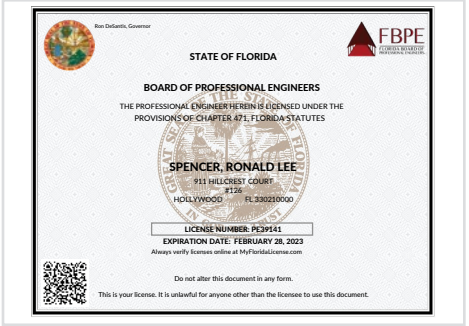


Certificate of Completion

Jesus A Nasser Mustafa P.E. # 43809

For successfully completing the following continuing education course:

2020 Advanced Florida Building Code - Significant Code Changes



Ron DeSantis, Governor — FBPE

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SPENCER, RONALD LEE
911 HILLCREST COURT
#126
HOLLYWOOD FL 330210000

LICENSE NUMBER: PE39141
EXPIRATION DATE: FEBRUARY 28, 2023
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Ability of Professional Personnel - Licenses and Certifications

BMA Consulting Engineering

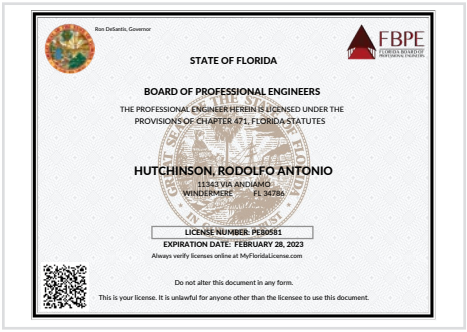


Certificate of Completion

Ronald Lee Spencer P.E. # 39141

For successfully completing the following continuing education course:

2020 Advanced Florida Building Code - Signficant Code Changes



Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HUTCHINSON, RODOLFO ANTONIO

11343 VIA ANDIAMO
WINDERMERE FL 34786

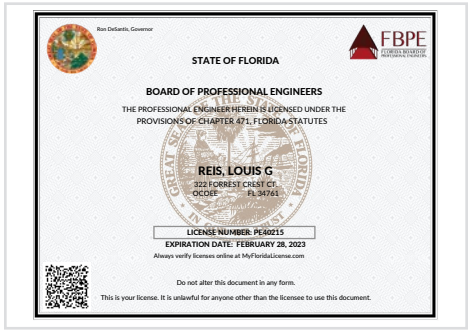
LICENSE NUMBER: PE80581

EXPIRATION DATE: FEBRUARY 28, 2023

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Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

REIS, LOUIS G

322 FORREST CREST CT
OCOEE FL 34761

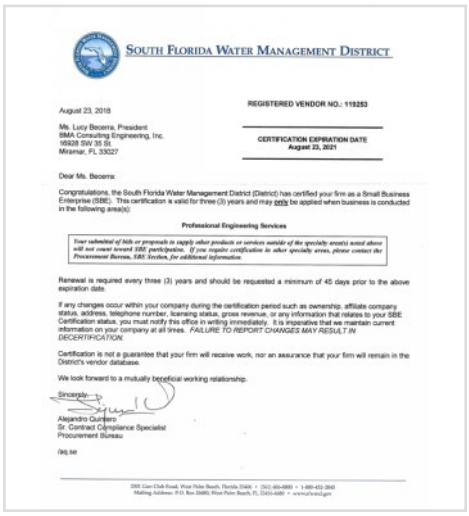
LICENSE NUMBER: PE40215

EXPIRATION DATE: FEBRUARY 28, 2023

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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

August 23, 2018

REGISTERED VENDOR NO.: 119253

Ms. Lucy Becerra, President
BMA Consulting Engineering, Inc.
16928 SW 35 St
Miramar, FL 33027

CERTIFICATION EXPIRATION DATE
August 23, 2021

Dear Ms. Becerra:

Congratulations, the South Florida Water Management District (District) has certified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional Engineering Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times. *FAILURE TO REPORT CHANGES MAY RESULT IN DECERTIFICATION.*

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

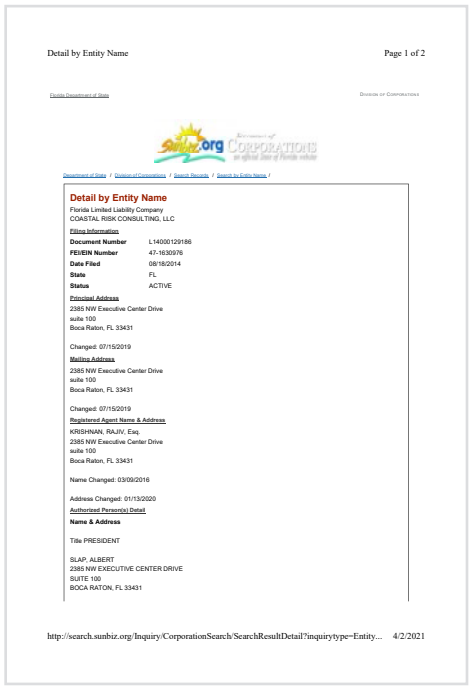
We look forward to a mutually beneficial working relationship.

Sincerely,

Alejandro Quintero
Sr. Contract Compliance Specialist
Procurement Bureau

/wg,se

Coastal Risk



Detail by Entity Name

Page 1 of 2

Florida Department of State — Division of Corporations

SunBiz.org Department of State Corporations

Department of State / Division of Corporations / Search Records / Search by Entity Name /

Detail by Entity Name

Florida Limited Liability Company
COASTAL RISK CONSULTING, LLC

Filing Information

Document Number	L14000129186
FEI/EIN Number	47-1630976
Date Filed	09/18/2014
State	FL
Status	ACTIVE

Principal Address
2385 NW Executive Center Drive
suite 100
Boca Raton, FL 33431

Changed: 07/15/2019

Mailing Address
2385 NW Executive Center Drive
suite 100
Boca Raton, FL 33431

Changed: 07/15/2019

Registered Agent Name & Address
KRISHNAN, RAJIV, Esq.
2385 NW Executive Center Drive
suite 100
Boca Raton, FL 33431

Name Changed: 03/09/2016

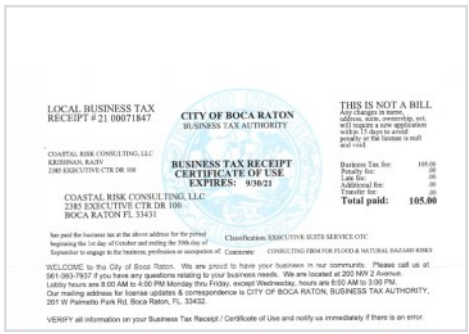
Address Changed: 01/13/2020

Authorized Person(s) Detail
Name & Address

Title PRESIDENT

SLAP, ALBERT
2385 NW EXECUTIVE CENTER DRIVE
SUITE 100
BOCA RATON, FL 33431

http://search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=Entity... 4/2/2021



LOCAL BUSINESS TAX RECEIPT # 21 00071847

CITY OF BOCA RATON
BUSINESS TAX AUTHORITY

THIS IS NOT A BILL

COASTAL RISK CONSULTING, LLC
KRISHNAN, RAJIV
2385 EXECUTIVE CTR DR 100

BUSINESS TAX RECEIPT
CERTIFICATE OF USE
EXPIRES: 9/30/21

COASTAL RISK CONSULTING, LLC
2385 EXECUTIVE CTR DR 100
BOCA RATON FL 33431

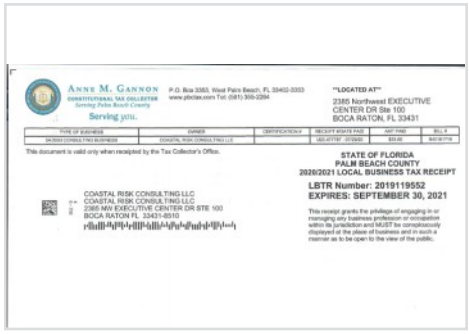
Business Tax fee: 105.00
Penalty fee: .00
Late fee: .00
Additional fee: .00
Transfer fee: .00
Total paid: 105.00

has paid the business tax at the above address for the period beginning the 1st day of October and ending the 30th day of September to engage in the business, profession or occupation of: Classification: EXECUTIVE SUITE SERVICE OTC

Comments: CONSULTING FIRM FOR FLOOD & NATURAL HAZARD RISKS

WELCOME to the City of Boca Raton. We are proud to have your business in our community. Please call us at 561-393-7937 if you have any questions relating to your business needs. We are located at 200 NW 2 Avenue. Lobby hours are 8:00 AM to 4:00 PM Monday thru Friday, except Wednesday, hours are 8:00 AM to 3:00 PM. Our mailing address for license updates & correspondence is CITY OF BOCA RATON, BUSINESS TAX AUTHORITY, 201 W Palmetto Park Rd, Boca Raton, FL 33432.

VERIFY all information on your Business Tax Receipt / Certificate of Use and notify us immediately if there is an error.



ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving you.

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

"LOCATED AT"
2385 Northwest EXECUTIVE CENTER DR Ste 100
BOCA RATON, FL 33431

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT STATE FEE	AMT PAID	BILL #
541511 CONSULTING BUSINESS	COASTAL RISK CONSULTING LLC		105.00	$105.00	1001811718

This document is valid only when receipted by the Tax Collector's Office.

COASTAL RISK CONSULTING LLC
COASTAL RISK CONSULTING LLC
2385 NW EXECUTIVE CENTER DR STE 100
BOCA RATON FL 33431-8510

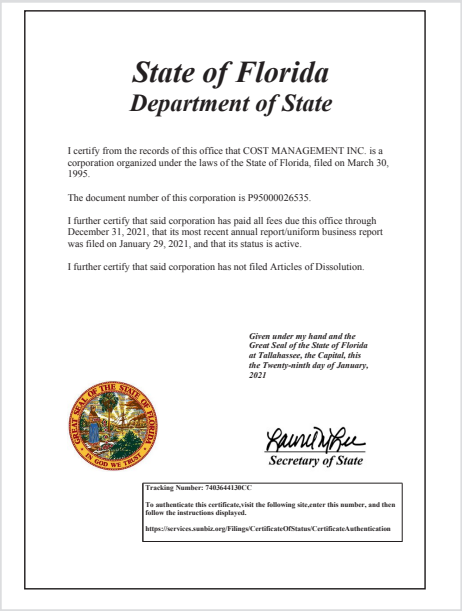
STATE OF FLORIDA
PALM BEACH COUNTY
2020/2021 LOCAL BUSINESS TAX RECEIPT

LBTR Number: 2019119552
EXPIRES: SEPTEMBER 30, 2021

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

Ability of Professional Personnel - Licenses and Certifications

Cost Management, Inc.



State of Florida
Department of State

I certify from the records of this office that COST MANAGEMENT INC. is a corporation organized under the laws of the State of Florida, filed on March 30, 1995.

The document number of this corporation is P95000026535.

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 29, 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 Twenty-ninth day of January, 2021

Secretary of State

Tracking Number: 7403644130CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



Ron DeSantis, Governor — Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER: CGC1505217 EXPIRATION DATE: AUGUST 31, 2022

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

JIAWON, GANESH PERSAUD
COST MANAGEMENT INC
158 TERRA MANGO LOOP
SUITE B
ORLANDO FL 32835

ISSUED: 07/22/2020

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GREEN BUILDING CERTIFICATION INSTITUTE

Ganesh Jiawon

LEED® ACCREDITED PROFESSIONAL

September 24, 2008

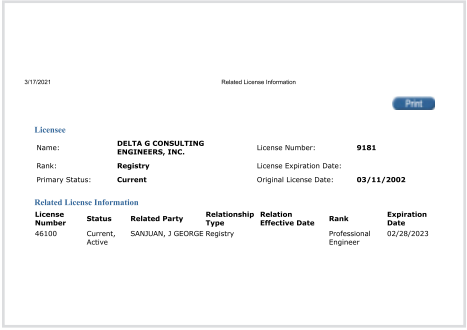
Delta G Consulting Engineers



State of Florida
Minority Business Certification

Delta G Consulting Engineers

Is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from: 01/25/2021 to 01/25/2023



3/17/2021 Related License Information

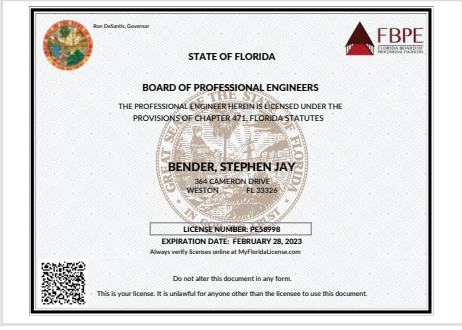
Print

Licensee

Name:	DELTA G CONSULTING ENGINEERS, INC.	License Number:	9181
Rank:	Registry	License Expiration Date:	
Primary Status:	Current	Original License Date:	03/11/2002

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
46100	Current, Active	SANJUAN, J GEORGE	Registry		Professional Engineer	02/28/2023



Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

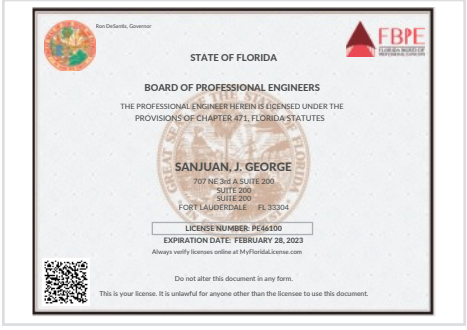
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BENDER, STEPHEN JAY
364 CAMERON DRIVE
WESTON FL 33326

LICENSE NUMBER: PE58998
EXPIRATION DATE: FEBRUARY 28, 2023
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Ron DeSantis, Governor

STATE OF FLORIDA

FBPE

BOARD OF PROFESSIONAL ENGINEERS

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SANJUAN, J. GEORGE
707 NE 3rd A SUITE 200
SUITE 200
SUITE 200
FORT LAUDERDALE FL 33304

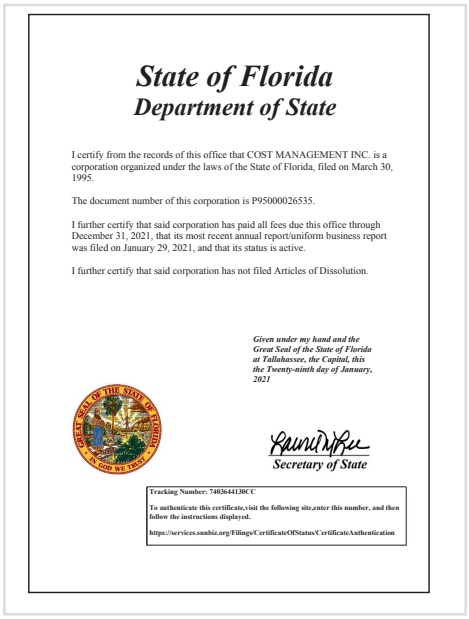
LICENSE NUMBER: PE46100
EXPIRATION DATE: FEBRUARY 28, 2023
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Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

Cost Management, Inc.



State of Florida
Department of State

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Secretary of State

Tracking Number: 7403644130CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



Ron DeSantis, Governor — Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER: CGC1505217 — EXPIRATION DATE: AUGUST 31, 2022

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

JIAWON, GANESH PERSAUD
COST MANAGEMENT INC
158 TERRA MANGO LOOP
SUITE B
ORLANDO FL 32835

ISSUED: 07/22/2020

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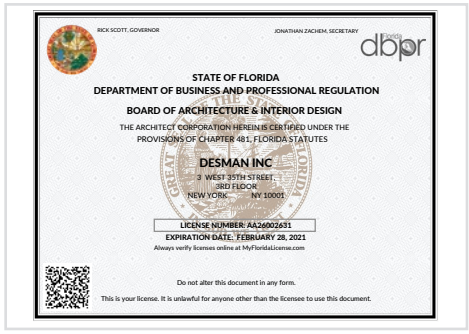
GDCI
GREEN BUILDING CERTIFICATION INSTITUTE

Ganesh Jiawon

LEED® ACCREDITED PROFESSIONAL

September 24, 2008

DESMAN



RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY — dbpr

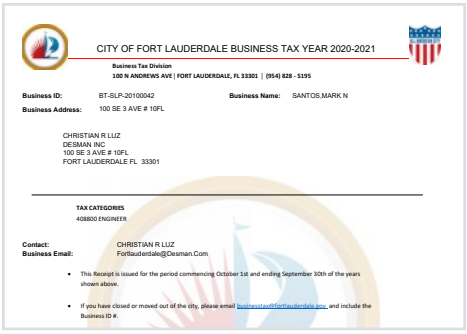
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN

THE ARCHITECT CORPORATION HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

DESMAN INC
3 WEST 35TH STREET
3RD FLOOR
NEW YORK NY 10001

LICENSE NUMBER: AA26002631
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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CITY OF FORT LAUDERDALE BUSINESS TAX YEAR 2020-2021

Business Tax Division
100 N ANDREWS AVE | FORT LAUDERDALE, FL 33301 | (954) 828 - 5195

Business ID: BT-SLP-20100042 — Business Name: SANTOS,MARK N
Business Address: 100 SE 3 AVE # 10FL

CHRISTIAN R LUZ
DESMAN INC
100 SE 3 AVE # 10FL
FORT LAUDERDALE FL 33301

TAX CATEGORIES
408800 ENGINEER

Contact: CHRISTIAN R LUZ
Business Email: Fortlauderdale@Desman.Com

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have closed or moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.



State of Florida
Department of State

I certify from the records of this office that DESMAN, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on November 7, 1986.

The document number of this corporation is P12057.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on February 3, 2020, and that its status is active.

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

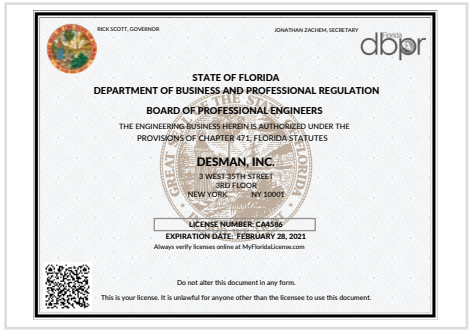
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twelfth day of February, 2020

Secretary of State

Tracking Number: 8025979019CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



RICK SCOTT, GOVERNOR — JONATHAN ZACHEM, SECRETARY — dbpr

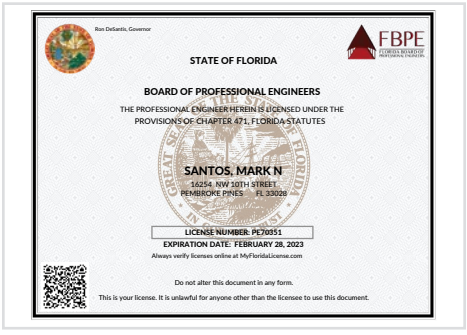
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

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

DESMAN, INC.
3 WEST 35TH STREET
3RD FLOOR
NEW YORK NY 10001

LICENSE NUMBER: CA4586
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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Ron DeSantis, Governor — FBPE

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SANTOS, MARK N
16254 NW 10TH STREET
PEMBROKE PINES FL 33028

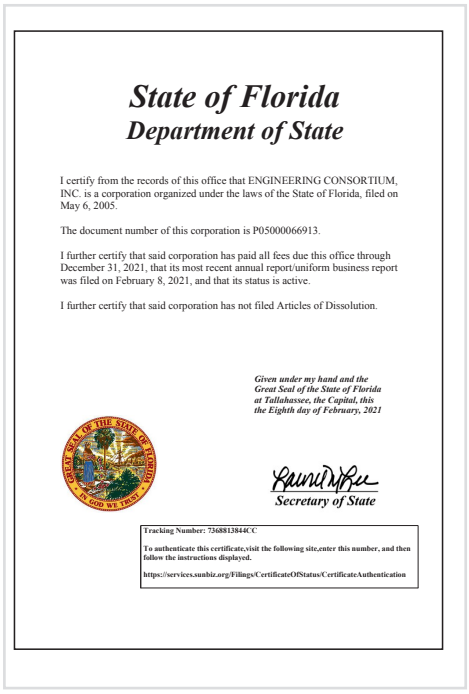
LICENSE NUMBER: PE70351
EXPIRATION DATE: FEBRUARY 28, 2023
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Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

Engineering Consortium



State of Florida
Department of State

I certify from the records of this office that ENGINEERING CONSORTIUM, INC. is a corporation organized under the laws of the State of Florida, filed on May 6, 2005.

The document number of this corporation is P05000066913.

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 February 8, 2021, and that its status is active.

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

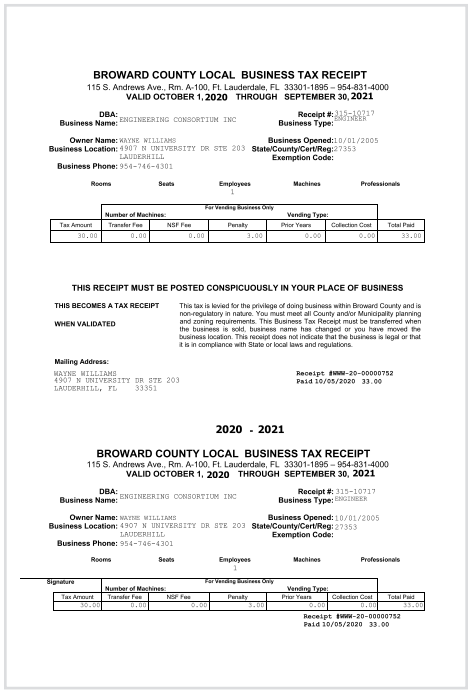
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighth day of February, 2021

Secretary of State

Tracking Number: 7368813844CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ENGINEERING CONSORTIUM INC
Receipt #: 315-10717
Business Type: ENGINEER

Owner Name: WAYNE WILLIAMS
Business Location: 4907 N UNIVERSITY DR STE 203 LAUDERHILL
Business Phone: 954-746-4301
Business Opened: 10/01/2005
State/County/Cert/Reg: 27353
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		1		

For Vending Business Only
Number of Machines:
Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	3.00	0.00	0.00	33.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

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

Mailing Address:
WAYNE WILLIAMS
4907 N UNIVERSITY DR STE 203
LAUDERHILL, FL 33351

Receipt #WWW-20-00000752
Paid 10/05/2020 33.00

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ENGINEERING CONSORTIUM INC
Receipt #: 315-10717
Business Type: ENGINEER

Owner Name: WAYNE WILLIAMS
Business Location: 4907 N UNIVERSITY DR STE 203 LAUDERHILL
Business Phone: 954-746-4301
Business Opened: 10/01/2005
State/County/Cert/Reg: 27353
Exemption Code:

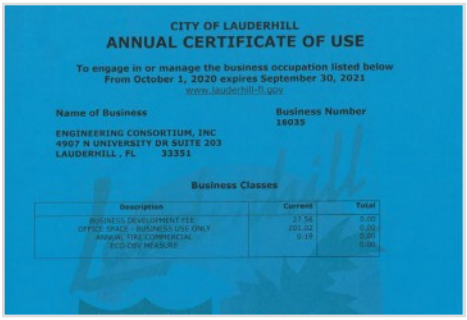
Rooms	Seats	Employees	Machines	Professionals
		1		

Signature

For Vending Business Only
Number of Machines:
Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	3.00	0.00	0.00	33.00

Receipt #WWW-20-00000752
Paid 10/05/2020 33.00



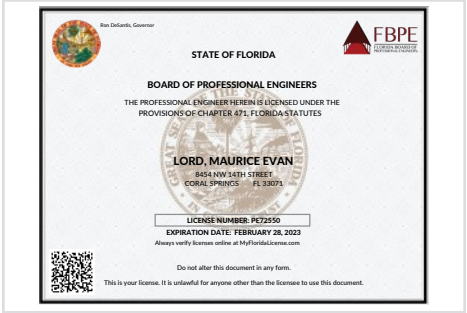
CITY OF LAUDERHILL
ANNUAL CERTIFICATE OF USE
To engage in or manage the business occupation listed below
From October 1, 2020 expires September 30, 2021
www.lauderhill-fl.gov

Name of Business
ENGINEERING CONSORTIUM, INC
4907 N UNIVERSITY DR SUITE 203
LAUDERHILL , FL 33351

Business Number
16035

Business Classes

Description	Current	Total
BUSINESS DEVELOPMENT FEE	37.50	0.00
OFFICE SPACE - BUSINESS USE ONLY	201.02	0.00
ANNUAL FIRE COMMERCIAL	0.19	0.00
ECONOMY MEASURE		0.00

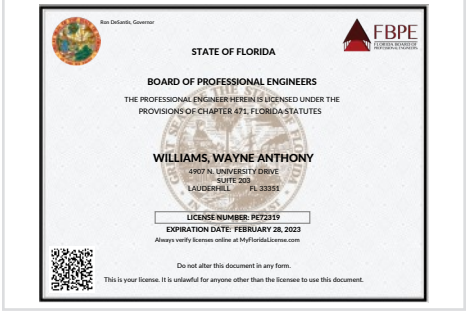


Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LORD, MAURICE EVAN
8454 NW 14TH STREET
CORAL SPRINGS FL 33071

LICENSE NUMBER: PE72550
EXPIRATION DATE: FEBRUARY 28, 2023
Always verify licenses online at MyFloridaLicense.com

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Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

WILLIAMS, WAYNE ANTHONY
4907 N. UNIVERSITY DRIVE
SUITE 203
LAUDERHILL FL 33351

LICENSE NUMBER: PE72319
EXPIRATION DATE: FEBRUARY 28, 2023
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GRAEF



acg
AABC Commissioning Group

hereby certifies that

Jose R. Lizasoain, P.E.

GRAEF

has met all prerequisites demonstrating independence and the technical, management, and communications skills required to implement the commissioning process in new and existing buildings, and passed the necessary examination to be awarded this certificate in recognition of their qualifications as an ACG

Certified Commissioning Authority

Registration number: 1105-101 *. This certificate, valid only for the year 2021, is renewable on an annual basis upon meeting all requirements noted in the CxA Candidate Handbook.*

Troy N. Byers, P.E., CxA, President

Ray Bert
ACG Executive Director

Better Buildings RECOGNIZED PROGRAM

ANSI ACCREDITED



DBPR ONLINE SERV

Licensee Details

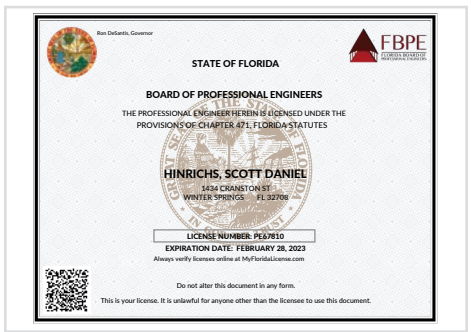
Licensee Information

Name:	GRAEF USA INC. (Primary Name)
Main Address:	275 W. WISCONSIN AVENUE SUITE 300 MILWAUKEE Wisconsin 53203
County:	OUT OF STATE
License Mailing:	
License Location:	

License Information

License Type:	Registry
Rank:	Registry
License Number:	4270
Status:	Current
Licensure Date:	11/08/1985
Expires:	

Special Qualifications — Qualification Effective

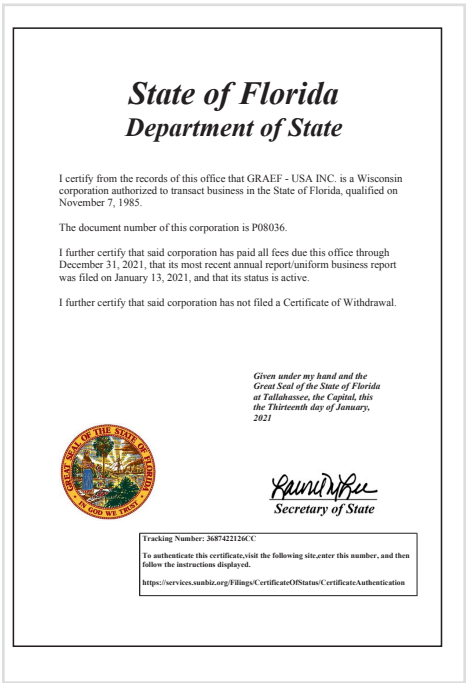


Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HINRICHS, SCOTT DANIEL
1424 CRANSTON ST
WINTER SPRINGS FL 32708

LICENSE NUMBER: PE67810
EXPIRATION DATE: FEBRUARY 28, 2023
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State of Florida
Department of State

I certify from the records of this office that GRAEF - USA INC. is a Wisconsin corporation authorized to transact business in the State of Florida, qualified on November 7, 1985.

The document number of this corporation is P08036.

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 13, 2021, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Thirteenth day of January, 2021

Secretary of State

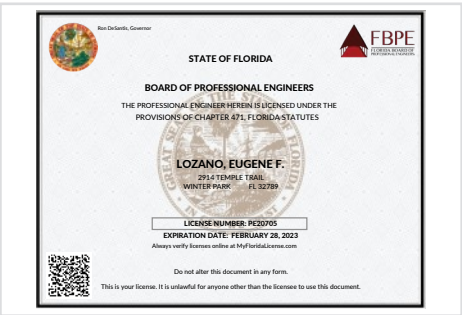
Tracking Number: 3687422126CC

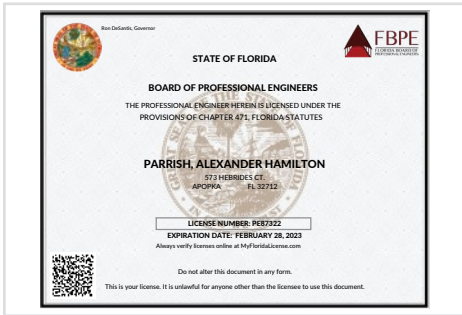
To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

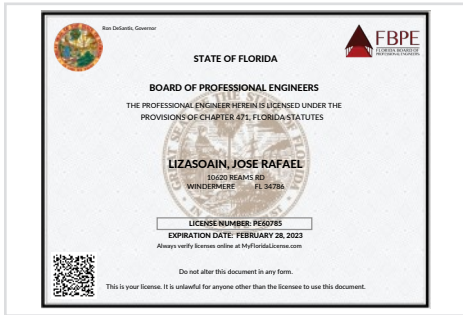
https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Ability of Professional Personnel - Licenses and Certifications

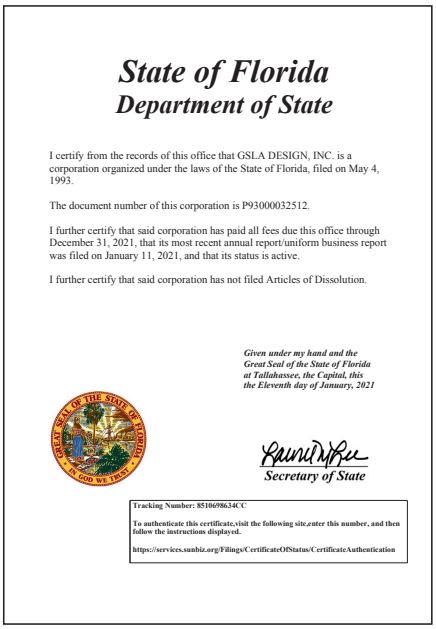
GRAEF

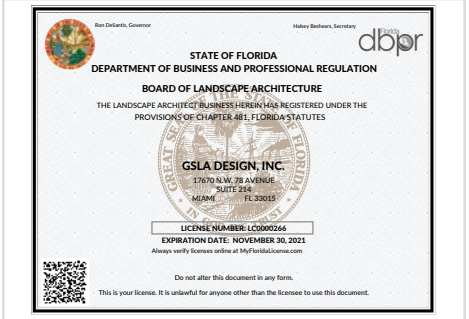

Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
LOZANO, EUGENE F.
2914 TEMPLE TRAIL
WINTER PARK FL 32789
LICENSE NUMBER: PE20705
EXPIRATION DATE: FEBRUARY 28, 2023
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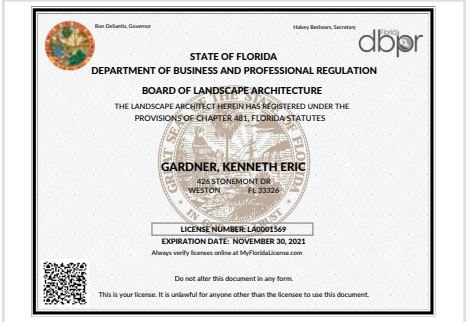

Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
PARRISH, ALEXANDER HAMILTON
573 HEBRIDES CT.
APOPKA FL 32712
LICENSE NUMBER: PE87322
EXPIRATION DATE: FEBRUARY 28, 2023
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Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
LIZASOAIN, JOSE RAFAEL
10620 REAMS RD
WINDERMERE FL 34786
LICENSE NUMBER: PE60785
EXPIRATION DATE: FEBRUARY 28, 2023
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GSLA

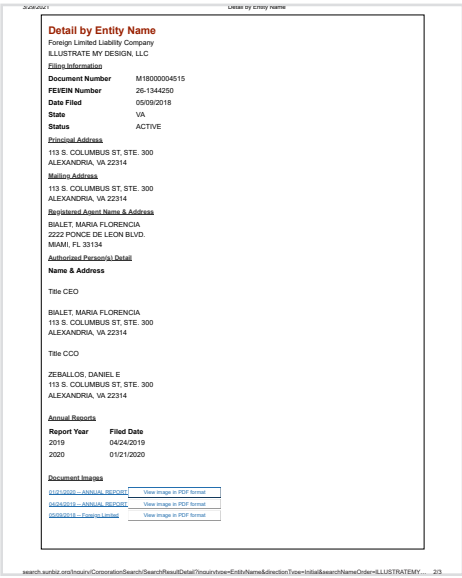

State of Florida
Department of State
I certify from the records of this office that GSLA DESIGN, INC. is a corporation organized under the laws of the State of Florida, filed on May 4, 1993.
The document number of this corporation is P93000032512.
I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 11, 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 Eleventh day of January, 2021
Secretary of State
Tracking Number: 8510698634CC
To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.
https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication


Ron DeSantis, Governor
Halsey Beshears, Secretary
dbpr
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
THE LANDSCAPE ARCHITECT BUSINESS HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
GSLA DESIGN, INC.
17670 N.W. 78 AVENUE
SUITE 214
MIAMI FL 33015
LICENSE NUMBER: LC0000266
EXPIRATION DATE: NOVEMBER 30, 2021
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Ron DeSantis, Governor
Halsey Beshears, Secretary
dbpr
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
GARDNER, KENNETH ERIC
626 STONEMONT DR
WESTON FL 33326
LICENSE NUMBER: LA0001569
EXPIRATION DATE: NOVEMBER 30, 2021
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GBCI
GREEN BUILDING CERTIFICATION INSTITUTE
Ken Gardner
LEED® ACCREDITED PROFESSIONAL
May 8, 2009

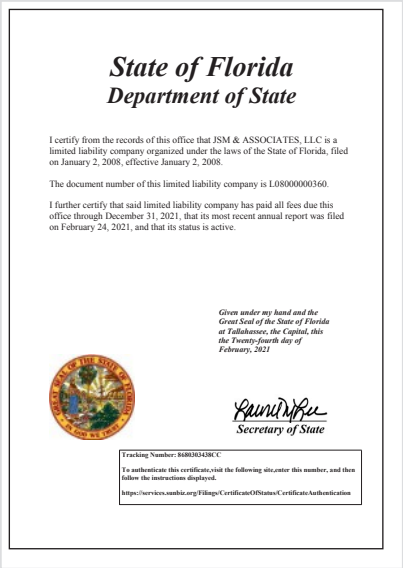
Illustrate My Design


Detail by Entity Name
Foreign Limited Liability Company
ILLUSTRATE MY DESIGN, LLC
Filing Information
Document Number M18000004515
FEI/EIN Number 26-1344250
Date Filed 05/09/2018
State VA
Status ACTIVE
Principal Address
113 S. COLUMBUS ST, STE. 300
ALEXANDRIA, VA 22314
Mailing Address
113 S. COLUMBUS ST, STE. 300
ALEXANDRIA, VA 22314
Registered Agent Name & Address
BIALET, MARIA FLORENCIA
2222 PONCE DE LEON BLVD.
MIAMI, FL 33134
Authorized Person(s) Detail
Name & Address
Title CEO
BIALET, MARIA FLORENCIA
113 S. COLUMBUS ST, STE. 300
ALEXANDRIA, VA 22314
Title CCO
ZEBALLOS, DANIEL E
113 S. COLUMBUS ST, STE. 300
ALEXANDRIA, VA 22314
Annual Reports
Report Year Filed Date
2019 04/24/2019
2020 01/21/2020
Document Images
05/09/2018 -- ANNUAL REPORT View image in PDF format
05/04/2019 -- ANNUAL REPORT View image in PDF format
05/09/2018 -- Foreign Limited View image in PDF format

Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

JSM & Associates



State of Florida
Department of State

I certify from the records of this office that JSM & ASSOCIATES, LLC is a limited liability company organized under the laws of the State of Florida, filed on January 2, 2008, effective January 2, 2008.

The document number of this limited liability company is L08000000360.

I further certify that said limited liability company has paid all fees due this office through December 31, 2021, that its most recent annual report was filed on February 24, 2021, and that its status is active.

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

Secretary of State

Tracking Number: 868038343BCC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



JSM & ASSOCIATES, LLC (Primary Name)
PO BOX 192
MOUNT DORA Florida 32756
LAKE

Registry
Registry
31519
Current
01/19/2016

Qualification Effective

NV5



Licensee Details
Licensee Information
Name: HIRTEN, JOSHUA JAMES (Primary Name)
Main Address: 7147 YACHT BASIN AVENUE UNIT 137 ORLANDO Florida 32835
County: ORANGE
License Mailing:
LicenseLocation:
License Information
License Type: Professional Geologist
Rank: PG
License Number: PG2141
Status: Current,Active
Licensure Date: 11/28/2000
Expires: 07/31/2022
Special Qualifications: Qualification Effective
Alternate Names



Licensee Details
Licensee Information
Name: MAHONEY, JASON PAUL (Primary Name)
Main Address: 2510 PORTERVIEW WAY ORLANDO Florida 32812
County: ORANGE
License Mailing:
LicenseLocation:
License Information
License Type: Professional Engineer
Rank: Prof Engineer
License Number: 65183
Status: Current,Active
Licensure Date: 09/25/2006
Expires: 02/28/2023
Special Qualifications: Qualification Effective
Civil 09/25/2006
Alternate Names



Licensee Information
Name: SALVIN, JASON DANIEL (Primary Name) INDIVIDUAL (DBA Name)
Main Address: 11528 W STATE ROAD 84 PO BOX 551016 DAVIE Florida 33355
County: BROWARD
License Mailing:
LicenseLocation: 200 SOUTH PARK ROAD SUITE 350 HOLLYWOOD FL 33021
County: BROWARD
License Information
License Type: Certified General Contractor
Rank: Cert General
License Number: CGC1526456
Status: Current,Active
Licensure Date: 05/17/2018
Expires: 08/31/2022
Special Qualifications: Qualification Effective
Construction Individual 05/17/2018
Alternate Names



Licensee Details
Licensee Information
Name: TANENBAUM, HAROLD RICHARD (Primary Name)
Main Address: 7775 SW 130TH ST MIAMI Florida 331566157
County: DADE
License Mailing:
LicenseLocation:
License Information
License Type: Architect
Rank: Architect
License Number: AR0009896
Status: Current,Active
Licensure Date: 08/23/1983
Expires: 02/28/2023
Special Qualifications: Qualification Effective
Alternate Names



Licensee Details
Licensee Information
Name: WRAY, GARFIELD LEONARD (Primary Name)
Main Address: 1201 BAYVIEW DRIVE FORT LAUDERDALE Florida 33304
County: BROWARD
License Mailing:
LicenseLocation:
License Information
License Type: Professional Engineer
Rank: Prof Engineer
License Number: 49734
Status: Current,Active
Licensure Date: 10/20/1995
Expires: 02/28/2023
Special Qualifications: Qualification Effective
Alternate Names



Licensee Details
Licensee Information
Name: STERN, ERIC J. (Primary Name)
Main Address: 605 SW 7TH AVE FORT LAUDERDALE Florida 33315
County: BROWARD
License Mailing: 605 SW 7TH AVE FORT LAUDERDALE FL 33315
County: BROWARD
LicenseLocation:
License Information
License Type: Professional Engineer
Rank: Prof Engineer
License Number: 57604
Status: Current,Active
Licensure Date: 07/19/2001
Expires: 02/28/2023
Special Qualifications: Qualification Effective
Advanced Building Code Course Credit 07/18/2018
Alternate Names



11:01:13 PM 4/6/2021

Licensee Details
Licensee Information
ROGERS, MICHAEL ALLEN (Primary Name)
1725 CAVAILLON DRIVE WAXHAW North Carolina 28173
OUT OF STATE
1725 CAVAILLON DRIVE WAXHAW NC 28173
License Information
Professional Engineer
Prof Engineer
78734
Current,Active
01/30/2015
02/28/2023
Special Qualifications: Qualification Effective
Mechanical 01/30/2015



Licensee Details
Licensee Information
FOX, WILLIAM CULLEN (Primary Name)
8109 BRISBIN DR WAXHAW North Carolina 28173
OUT OF STATE
License Information
Professional Engineer
Prof Engineer
79166
Current,Active
05/19/2015
02/28/2023
Special Qualifications: Qualification Effective
Electrical & Computer 05/19/2015
Advanced Building Code Course Credit 11/14/2018
7th Edition, Florida Building Code 10/14/2020

Ability of Professional Personnel - Licenses and Certifications

NV5



11:06:10 PM 4/6/2021

Licensee Details

Licensee Information

BAER, MICHAEL LYNN (Primary Name)
3005 HYDE PARK DR
INDIAN TRAIL North Carolina 28079
OUT OF STATE

License Information

Professional Engineer
Prof Engineer
71212
Current,Active
04/28/2010
02/28/2023

Special Qualifications — **Qualification Effective**
Structural 1 — 04/28/2010



Building Industry Consulting Service International
THE PROFESSIONAL DESIGNATION OF
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER®
IS AWARDED TO
Paul Dooley
by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.
Designation Number: 136341
Registration Start Date: 01-01-2019
Registration End Date: 12-31-2021
BICSI RCDD Since 07-29-2008
Todd W. Taylor, RCDD, NTS, OSP, BICSI President
John H. Daniels, CNM, FACHE, FHIMSS, BICSI Executive Director & Chief Executive Officer



CTS CERTIFIED TECHNOLOGY SPECIALIST
Paul Dooley
has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™, has met the requirements of the AVIXA Independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist and the CTS® designation.
Effective Date: March 5, 2021
Date of Expiration: March 31, 2021
Certification Number: 1331961
Luke Jordan, CTS-I
Chair, AVIXA Independent Certification Committee
AVIXA



Building Industry Consulting Service International
THE PROFESSIONAL DESIGNATION OF
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER®
IS AWARDED TO
Brian J Wagner
by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.
Designation Number: 186147
Registration Start Date: 01-01-2021
Registration End Date: 12-31-2023
BICSI RCDD Since 11-15-2008
Todd W. Taylor, RCDD, NTS, OSP, BICSI President
John H. Daniels, CNM, FACHE, FHIMSS, BICSI Executive Director & Chief Executive Officer



Project Management Institute
THIS IS TO CERTIFY THAT
Brian Joseph Wagner
HAS BEEN FORMALLY SYNLMATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL
Project Management Professional (PMP)®
IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE
PMP® Number: 1753316
PMP® Original Grant Date: 10 October 2014
PMP® Expiration Date: 09 October 2023
Project Management Institute

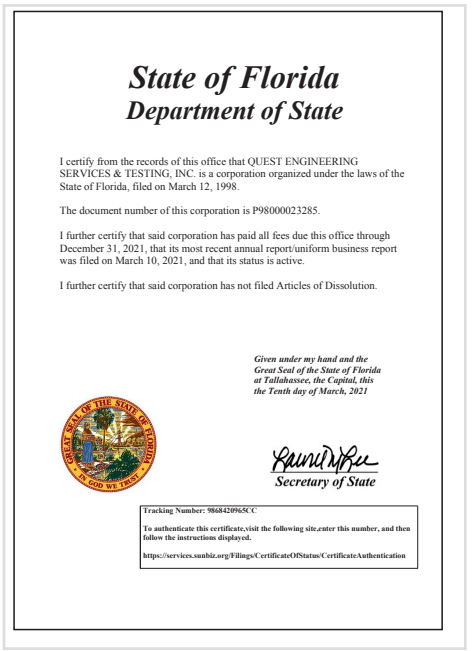
QuEST



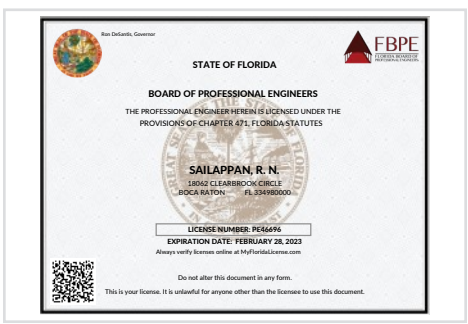
BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2023
DBA:
Business Name:
Receipt #:
Business Type:
Owner Name:
Business Location:
Business Opened:
State/County/Cert/Reg:
Exemption Code:
Business Phone:
Rooms | Seats | Employees | Machines | Professionals
Number of Machines: For Vending Business Only: Vending Type:
Tax Amount | Transfer Fee | NSF Fee | Penalty | Prior Years | Collection Cost | Total Paid
THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS
THIS BECOMES A TAX RECEIPT WHEN VALIDATED
This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.
Mailing Address:
Issued by: #242-19-00001830
Paid 07/31/2020 30.00
2020 - 2021



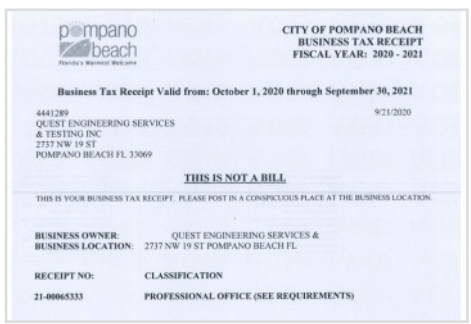
State of Florida
Minority Business Certification
Quest Engineering Sevices & Testing, Inc.
Is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from:
08/19/2019 to 08/19/2021
Department of Management Services
Office of Supplier Diversity



State of Florida
Department of State
I certify from the records of this office that QUEST ENGINEERING SERVICES & TESTING, INC. is a corporation organized under the laws of the State of Florida, filed on March 12, 1998.
The document number of this corporation is P98000023285.
I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on March 10, 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 Tenth day of March, 2021
Secretary of State
Tracking Number: 986842096SCC
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
SAILAPPAN, R. N.
18062 CLEARBROOK CIRCLE
BOCA RATON FL 334980000
LICENSE NUMBER: PE66696
EXPIRATION DATE: FEBRUARY 28, 2023
Always verify licenses online at MyFloridaLicense.com
Do not alter this document in any form.
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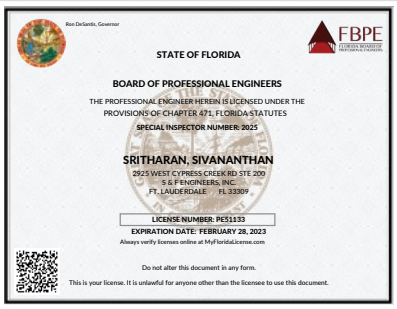


pompano beach
Florida's Warmest Welcome
CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2020 - 2021
Business Tax Receipt Valid from: October 1, 2020 through September 30, 2021
4441289
9/21/2020
QUEST ENGINEERING SERVICES & TESTING INC
2737 NW 19 ST
POMPANO BEACH FL 33069
THIS IS NOT A BILL
THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.
BUSINESS OWNER: QUEST ENGINEERING SERVICES &
BUSINESS LOCATION: 2737 NW 19 ST POMPANO BEACH FL
RECEIPT NO: 21-00065333
CLASSIFICATION: PROFESSIONAL OFFICE (SEE REQUIREMENTS)

Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

S & F Engineering


Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SPECIAL INSPECTOR NUMBER: 2025

SRITHARAN, SIVANANTHAN

2925 WEST CYPRESS CREEK RD STE 200
S & F ENGINEERS, INC.
FT. LAUDERDALE FL 33309

LICENSE NUMBER: PE51133
EXPIRATION DATE: FEBRUARY 28, 2023
Always verify licenses online at MyFloridaLicense.com

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State of Florida

Minority Business Certification

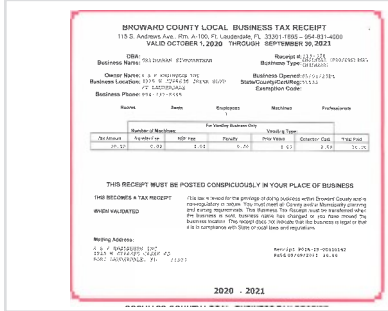
S & F Engineers, Inc.

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

06/28/2019 to 06/28/2021

Jonathan R. Satter, Secretary
Florida Department of Management Services

office of supplier diversity

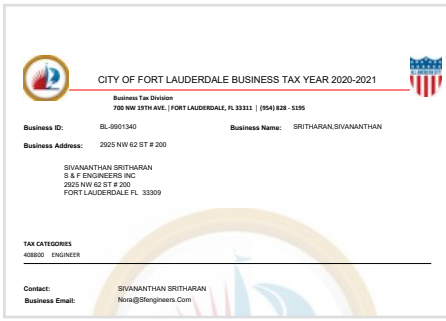

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 • 954.831.4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

2020 - 2021


CITY OF FORT LAUDERDALE BUSINESS TAX YEAR 2020-2021

Business Tax Division
700 NW 19TH AVE. | FORT LAUDERDALE, FL 33311 | (954) 828 - 5195

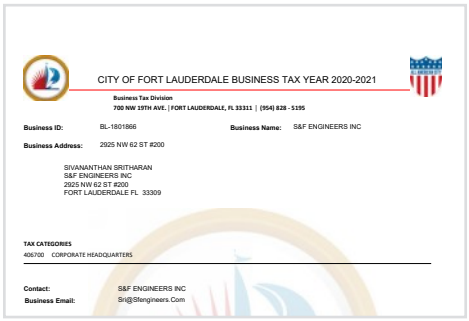
Business ID: BL-9901340 Business Name: SRITHARAN,SIVANANTHAN

Business Address: 2925 NW 62 ST # 200

SIVANANTHAN SRITHARAN
S & F ENGINEERS INC
2925 NW 62 ST # 200
FORT LAUDERDALE FL 33309

TAX CATEGORIES
408800 ENGINEER

Contact: SIVANANTHAN SRITHARAN
Business Email: Nora@Sfengineers.Com


CITY OF FORT LAUDERDALE BUSINESS TAX YEAR 2020-2021

Business Tax Division
700 NW 19TH AVE. | FORT LAUDERDALE, FL 33311 | (954) 828 - 5195

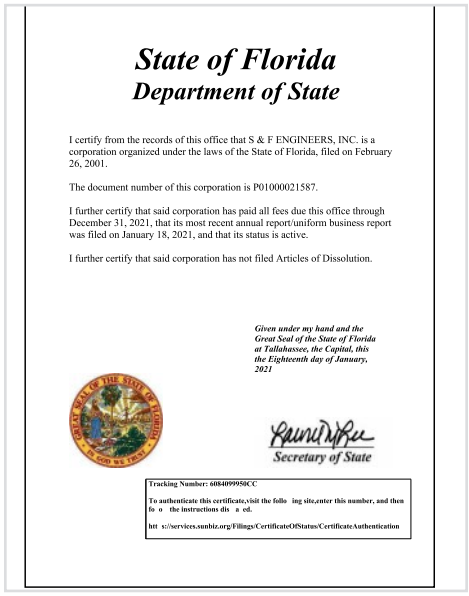
Business ID: BL-1801866 Business Name: S&F ENGINEERS INC

Business Address: 2925 NW 62 ST #200

SIVANANTHAN SRITHARAN
S&F ENGINEERS INC
2925 NW 62 ST #200
FORT LAUDERDALE FL 33309

TAX CATEGORIES
408700 CORPORATE HEADQUARTERS

Contact: S&F ENGINEERS INC
Business Email: Sri@Sfengineers.Com


State of Florida
Department of State

I certify from the records of this office that S & F ENGINEERS, INC. is a corporation organized under the laws of the State of Florida, filed on February 26, 2001.

The document number of this corporation is P01000021587.

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 18, 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 Eighteenth day of January, 2021

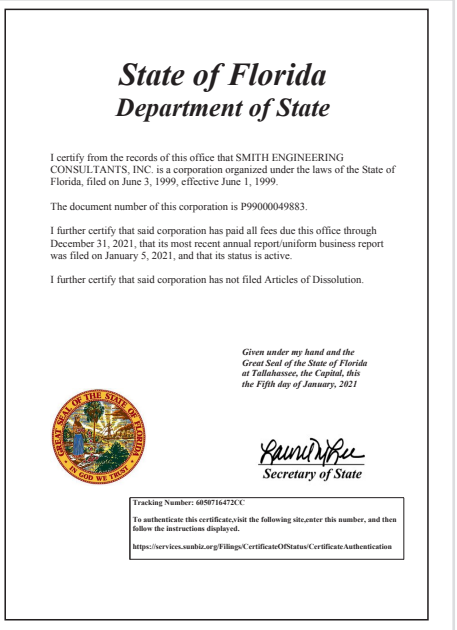
Secretary of State

Tracking Number: 6084099950CC

To authenticate this certificate,visit the follo ing site,enter this number, and then fo o the instructions dis a ed.

htt s://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Smith Engineering Consultants


State of Florida
Department of State

I certify from the records of this office that SMITH ENGINEERING CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on June 3, 1999, effective June 1, 1999.

The document number of this corporation is P99000049883.

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 5, 2021, and that its status is active.

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

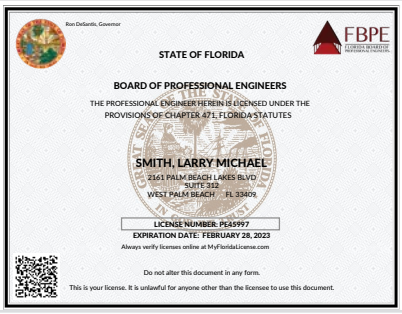
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fifth day of January, 2021

Secretary of State

Tracking Number: 6050716472CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication


Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SMITH, LARRY MICHAEL

2161 PALM BEACH LAKES BLVD
SUITE 312
WEST PALM BEACH FL 33409

LICENSE NUMBER: PE45997
EXPIRATION DATE: FEBRUARY 28, 2023
Always verify licenses online at MyFloridaLicense.com

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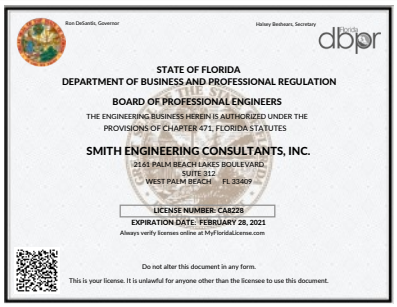

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 • 954.831.4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

2020 - 2021


Ron DeSantis, Governor

Halsey Beshears, Secretary

dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

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

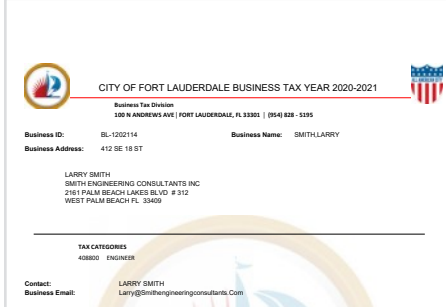
SMITH ENGINEERING CONSULTANTS, INC.

2161 PALM BEACH LAKES BOULEVARD
SUITE 312
WEST PALM BEACH FL 33409

LICENSE NUMBER: CA8228
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

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CITY OF FORT LAUDERDALE BUSINESS TAX YEAR 2020-2021

Business Tax Division
100 N ANDREWS AVE | FORT LAUDERDALE, FL 33301 | (954) 828 - 5195

Business ID: BL-1202114 Business Name: SMITH,LARRY

Business Address: 412 SE 18 ST

LARRY SMITH
SMITH ENGINEERING CONSULTANTS INC
2161 PALM BEACH LAKES BLVD # 312
WEST PALM BEACH FL 33409

TAX CATEGORIES
408800 ENGINEER

Contact: LARRY SMITH
Business Email: Larry@Smithengineeringconsultants.Com

Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

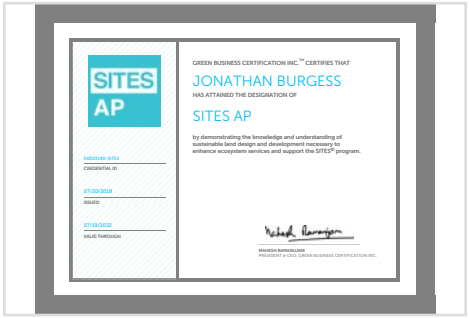
Spinnaker







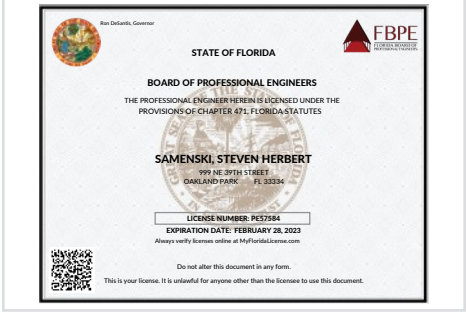












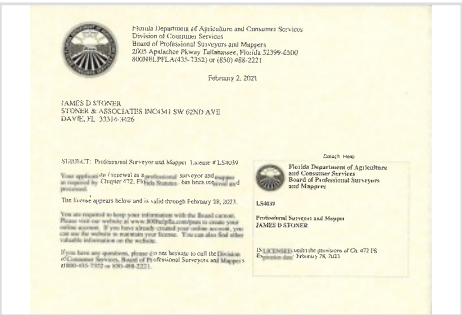




Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

Stoner



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500
800HELPFLA(435-7352) or (850) 488-2221

February 2, 2021

JAMES D STONER
STONER & ASSOCIATES INC4341 SW 62ND AVE
DAVIE, FL 33314-3026

SUBJECT: Professional Surveyor and Mapper License #LS6839

Your application/renewal as a professional surveyor and mapper is required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2023.

You are required to keep your information with the Board current. Please visit our website at www.800helpfla.com/pass to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 1-800-435-7352 or 850-488-2221.

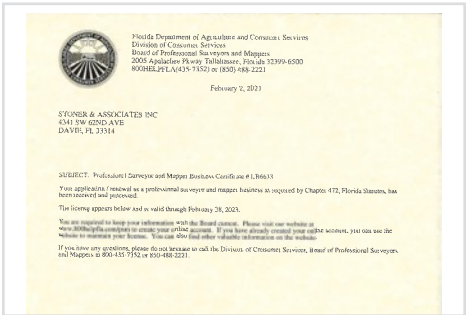
Detach Here

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

LS6839

Professional Surveyor and Mapper
JAMES D STONER

LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2023



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500
800HELPFLA(435-7352) or (850) 488-2221

February 2, 2021

STONER & ASSOCIATES INC
4341 SW 62ND AVE
DAVIE, FL 33314

SUBJECT: Professional Surveyor and Mapper Business Certificate #LB6633

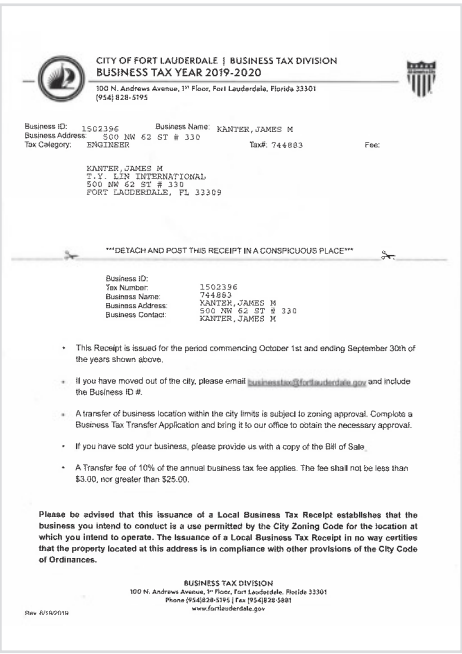
Your application/renewal as a professional surveyor and mapper business is required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2023.

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If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

T.Y. Lin



CITY OF FORT LAUDERDALE | BUSINESS TAX DIVISION
BUSINESS TAX YEAR 2019-2020
100 N. Andrews Avenue, 1st Floor, Fort Lauderdale, Florida 33301
(954) 828-5195

Business ID: 1502396 Business Name: KANTER, JAMES M
Business Address: 500 NW 62 ST # 330
Tax Category: ENGINEER Tax#: 744883 Fee:

KANTER, JAMES M
T.Y. LIN INTERNATIONAL
500 NW 62 ST # 330
FORT LAUDERDALE, FL 33309

DETACH AND POST THIS RECEIPT IN A CONSPICUOUS PLACE

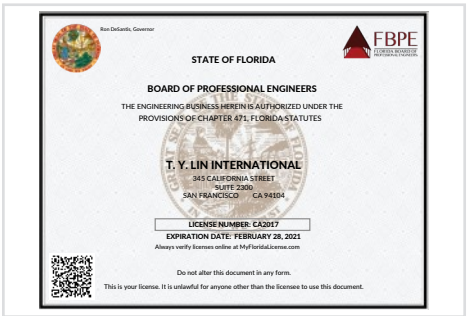
Business ID: 1502396
Tax Number: 744883
Business Name: KANTER, JAMES M
Business Address: 500 NW 62 ST # 330
Business Contact: KANTER, JAMES M

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.
- A transfer of business location within the city limits is subject to zoning approval. Complete a Business Tax Transfer Application and bring it to our office to obtain the necessary approval.
- If you have sold your business, please provide us with a copy of the Bill of Sale.
- A Transfer fee of 10% of the annual business tax fee applies. The fee shall not be less than $3.00, nor greater than $25.00.

Please be advised that this issuance of a Local Business Tax Receipt establishes that the business you intend to conduct is a use permitted by the City Zoning Code for the location at which you intend to operate. The issuance of a Local Business Tax Receipt in no way certifies that the property located at this address is in compliance with other provisions of the City Code of Ordinances.

BUSINESS TAX DIVISION
100 N. Andrews Avenue, 1st Floor, Fort Lauderdale, Florida 33301
Phone (954)828-5195 | Fax (954)828-5881
www.fortlauderdale.gov

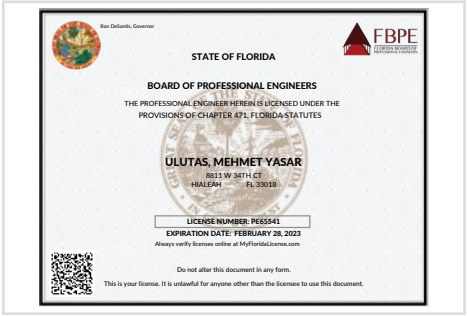
Rev 4/19/2019



Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
T. Y. LIN INTERNATIONAL
345 CALIFORNIA STREET
SUITE 2300
SAN FRANCISCO CA 94104
LICENSE NUMBER: CA2017
EXPIRATION DATE: FEBRUARY 28, 2021
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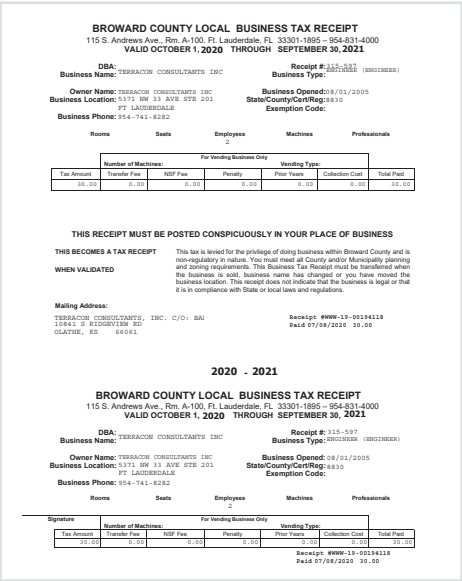


Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
MILLER, MICHAEL KEVIN
2111 NOVA VILLAGE DR
FT LAUDERDALE FL 33317-7023
LICENSE NUMBER: PE34313
EXPIRATION DATE: FEBRUARY 28, 2023
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Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
ULUTAS, MEHMET YASAR
8811 W 34TH CT
HIALEAH FL 33018
LICENSE NUMBER: PE65541
EXPIRATION DATE: FEBRUARY 28, 2023
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Terracon



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA: Business Name: TERRACON CONSULTANTS INC
Receipt #: 315-597
Business Type: ENGINEER (ENGINEER)

Owner Name: TERRACON CONSULTANTS INC
Business Location: 5371 NW 33 AVE STE 201 FT LAUDERDALE
Business Phone: 954-741-8282
Business Opened: 08/01/2005
State/County/Cert/Reg: 8830
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		2		

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

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Mailing Address:
TERRACON CONSULTANTS, INC. C/O: BAU
10841 S RIDGEVIEW RD
OLATHE, KS 66061

Receipt #NWW-19-00194118
Paid 07/08/2020 30.00

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

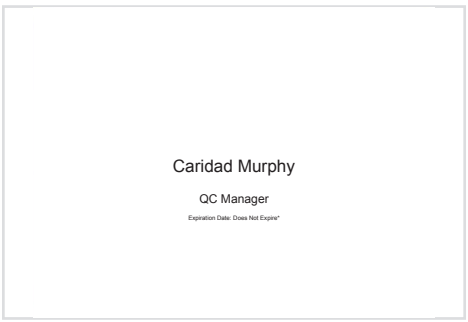
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Exemption Code:

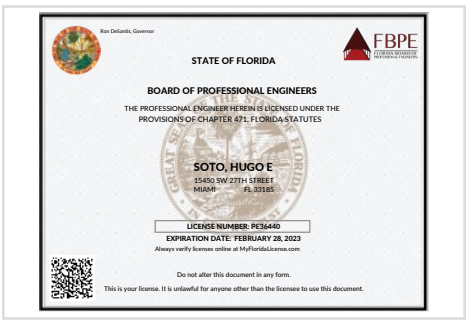
Rooms	Seats	Employees	Machines	Professionals
		2		

Signature	For Vending Business Only					
	Number of Machines:		Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

Receipt #NWW-19-00194118
Paid 07/08/2020 30.00



Caridad Murphy
QC Manager
Expiration Date: Does Not Expire*

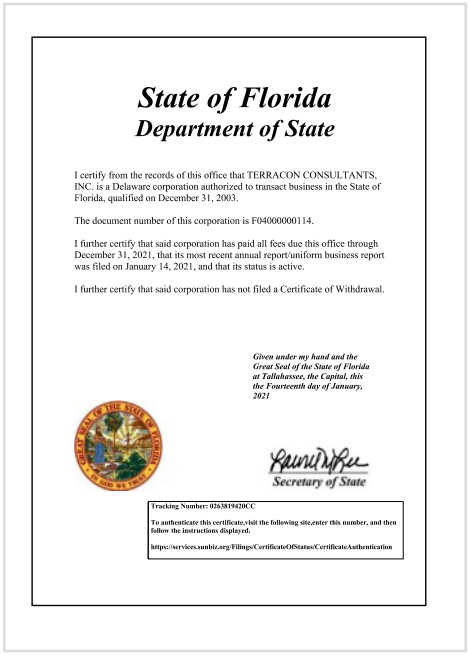


Ron DeSantis, Governor
FBPE
STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
SOTO, HUGO E
15450 SW 27TH STREET
MIAMI FL 33185
LICENSE NUMBER: PE36440
EXPIRATION DATE: FEBRUARY 28, 2023
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Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

Terracon



State of Florida
Department of State

I certify from the records of this office that TERRACON CONSULTANTS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on December 31, 2003.

The document number of this corporation is F04000000114.

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 14, 2021, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of January, 2021

Secretary of State

Tracking Number: 0263819420CC

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https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



Licensee Details

Licensee Information

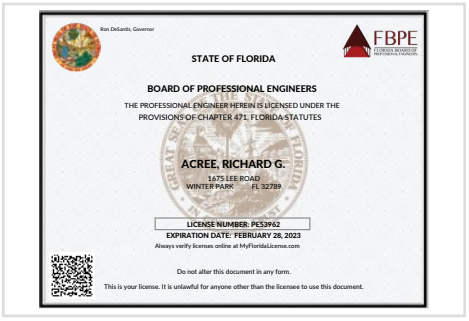
Name: LANTIGUA CUNI, LIANA (Primary Name)
Main Address: 5020 SW 7TH STREET MIAMI Florida 33134
County: DADE
License Mailing:
License Location:

License Information

License Type: Engineering Intern
Rank: Eng Intern
License Number: 1100019511
Status: Current
Licensure Date: 10/26/2015
Expires:

Special Qualifications | Qualification Effective

Alternate Names



Ron DeSantis, Governor

FBPE

STATE OF FLORIDA

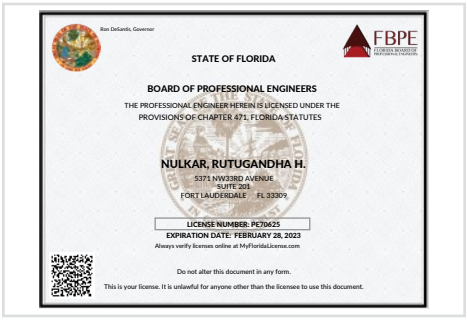
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ACREE, RICHARD G.
1675 LEE ROAD
WINTER PARK FL 32789

LICENSE NUMBER: PE53962
EXPIRATION DATE: FEBRUARY 28, 2023
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Ron DeSantis, Governor

FBPE

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NULKAR, RUTUGANDHA H.
5371 NW33RD AVENUE
SUITE 201
FORT LAUDERDALE FL 33309

LICENSE NUMBER: PE70425
EXPIRATION DATE: FEBRUARY 28, 2023
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The Chappell Group, Inc.



State of Florida
Department of State

I certify from the records of this office that THE CHAPPELL GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on April 14, 2005.

The document number of this corporation is P05000055901.

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 February 17, 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 Seventeenth day of February, 2021

Secretary of State

Tracking Number: 0847756586CC

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



State of Florida

Woman Business Certification

The Chappell Group

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

10/28/2019 to 10/28/2021

MANAGEMENT SERVICES



The International Society of Arboriculture

Hereby Announces That

Katheryn Bongarzone

Has Earned the Credential

ISA Certified Arborist ®

By successfully meeting ISA Certified Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pelkhan
CEO & Executive Director

24 August 2017 — Issue Date
31 December 2023 — Expiration Date
FL-9381A — Certification Number

ANAB

ISA

Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications

Thompson & Associates

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: THOMPSON JAMES FRANCIS
Receipt #: 315-748
Business Type: ENGINEER (ENGINEER)
Owner Name: THOMPSON & ASSOCIATES INC
Business Location: 412 SE 18 ST FT LAUDERDALE
Business Phone: 954-761-1073
Business Opened: 05/29/2008
State/County/Cert/Reg: 54731
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		1		

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

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Mailing Address:
THOMPSON & ASSOCIATES INC
PO BOX 22398
FORT LAUDERDALE, FL 33335

Receipt #WWW-19-00195622
Paid 07/13/2020 30.00

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

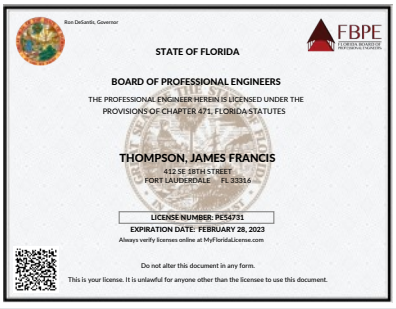
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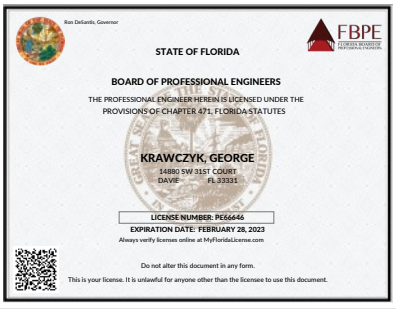
Rooms	Seats	Employees	Machines	Professionals
		1		

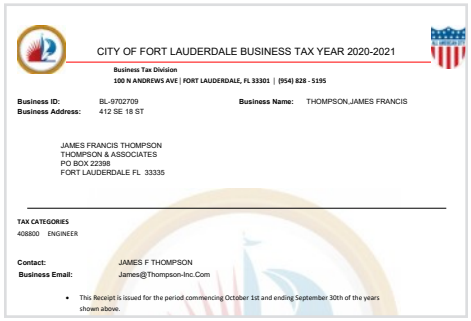
Signature — For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
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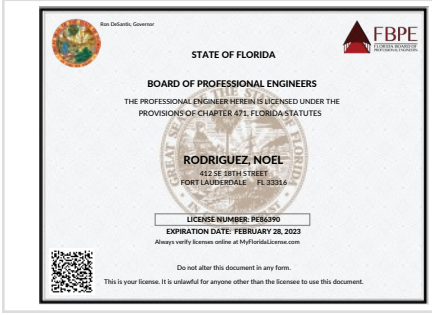
Receipt #WWW-19-00195622
Paid 07/13/2020 30.00



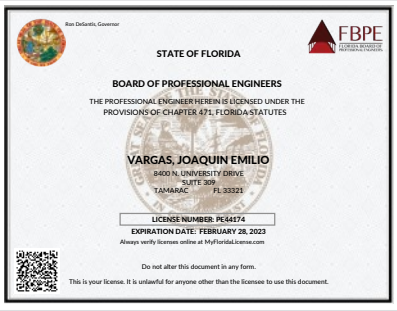




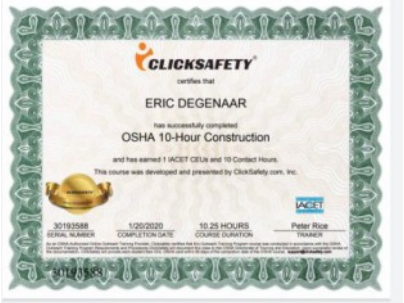




TrafTech Engineering



U.S. Utility Potholing

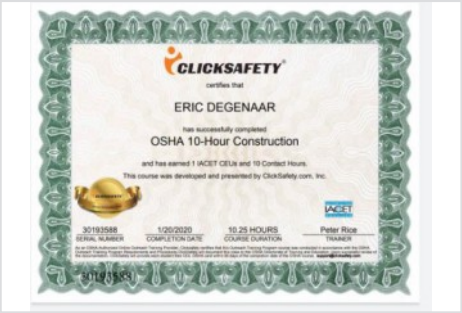




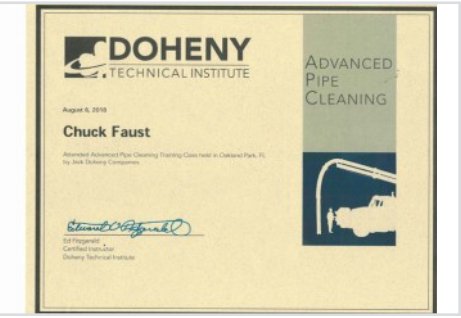


Section E: Evaluation Criteria

Ability of Professional Personnel - Licenses and Certifications









Senior Project Manager's Experience

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Ability of Professional Personnel - Sr. Project Manager's Experience

A leader is one who knows the way, goes the way, and shows the way

– Fredrick Haren



Paul Pannier, AIA, LEED AP, EDAC

Sr. Project Manager/Project Executive

ACAI has established a first-class, elite team of airport consultants and specialist who will be led by Sr. Project Manager Paul Pannier. Paul has over 35 years of experience working with large scale complex buildings including 10 years with aviation projects in South Florida. He leads teams of consultants for large projects such as the T4 FIS and the T4 CBIS, each of which had multiple consultants for MEP/F, Civil, Surveying, BHS systems, Structural and Technology/Security systems. Paul also manages and participates in aviation planning assignments for specialty functions at large airports, including MIA's Terminal E FIS, Terminal D Gate D60, and data gathering for the current FLL Masterplan. He also has experience working on smaller airfields, including planning a private terminal at Opa-Locka Airport, and reroofing facilities at Building 845 at MIA.

In the last five (5) years, Paul has managed terminal renovations at FLL for Southwest Airlines to include expansion of their current Provo, GSE and Tech Ops Expansion at a warehouse at FLL; the Expansion of Crew spaces, administration and technical operations in SWA T1A and T1B; and an expansion of SWA's G03 Air Cargo in the FLL cargo facility. In each of these projects, Paul managed the contracts and engineering support along with ACAI's architectural staff who produced the designs, working drawings and oversaw construction administration services.

Paul has completed building assessments with MEP and Structural Consultants to evaluate the status of major campus facilities including patient towers, central plants, parking garage evaluations, FPL vaults, buried fuel tank systems, and chiller/cooling tower replacements for up to 10 story buildings. He has over 20 years of experience with major healthcare campus development, including evaluating and rehabilitating garages, demolition of vacant buildings, and central plant expansions. His Aviation work includes design of inline baggage systems, at T4 CBIS, inbound baggage at T4 FIS, building modernization and long-term infrastructure systems equipment such as chillers and central plants. In each of these projects, Paul was the Project Manager in charge of schedule, budget, and consultant management/coordination with a staff of professional architects and engineers of record. These types of projects included specialty permits for site, civil and infrastructure review by the public utilities and environmental agencies.

Scope of Work - Snapshot of ACAI's Project Experience

Paul has many years' experience managing multiple projects concurrently and has successfully managed Continuing Services as well as Single Service Contracts. Paul's experience makes him the ideal person to lead the ACAI team on this contract. Below are some of the projects that we have worked for the that fall under the scope of work for this contract. Paul was the project manager on some of these.

Building Assessment

- Broward Health Medical Center Facility Assessment
- NMB Technology Building Assessment
- Oakland Park Fire Station and Command Center Assessment
- Oakland Park City Hall Assessment
- Oakland Park Library and Farmers Market
- Assessments and Scoping Baltimore Orioles
- BCWWS WTP1 Assessment Study & Plan
- Miami Lakes Park Building Damage Assessment
- BCWWS Dania Beach Assessment
- NSU NMB Technology Building Assessment

40 Year Building Inspection

- Vizcaya Museum and Gardens
- NSU NMB Fischler Building

Rehabilitation and Upgrades to Garages

- Plantation Point Parking Garage
- NSU HPD Garage Expansion (and North Planning)

Section E: Evaluation Criteria

Ability of Professional Personnel - Sr. Project Manager's Experience

Vacant / Abandoned Building Demo

- JHS Rehab Hospital Demolition & Enabling
- Sports Complex Demo & Life Safety Plans

In-line Baggage Systems

- FLL Terminal 4 Computerized Baggage Inspection Service (CBIS) Scanning Service and BIM Modeling

Security Infrastructure Improvements

- NSU Clearwater Campus
- NSU Offices for Senator Nelson @ CCR 2nd FL
- NSU HPD Leisure Space Expansion
- Gateway Institute for Brain Research
- NSU College of Allopathic Medicine
- Broward County Ravenswood Bus Maintenance Facility
- NSU HPD Campus Parking Garage Expansion

Terminal and Building Modernization

- EAC/BCAD Terminal 2 Modernization
- EAC/BCAD Terminal 3 Modernization

Pedestrian Bridges

- Office Depot Covered Pedestrian Walkways
- Westin Diplomat Expand Nikki's Marina Service Corridor
- Renovations to Existing Pedestrian Bridge at US 1 for FDOT with Lakes Engineering
- Hard Rock Stadium Pedestrian Bridges and Tunnels
- Hallandale Beach Bridge Beautification
- FLL Airport Expansion Program Pedestrian Bridges
- Miami River Bridge Renderings
- Broward County Pedestrian Wind Mitigation

Senior Project Manager's Time and Resources

Availability – 90%

Paul's responsibilities begin from the initial project meeting and will continue through all phases of design, budget review, regulatory approval, bidding, and construction administration services to project close out. His time on the individual projects to be assigned will include contract management, planning, programming, and overall review of the design for each project

Paul will also oversee the weekly meetings for the projects which will be led by ACAI's professional architects and attended by various consultant project managers as required for the scope of work. This will enable him to ensure that each project is addressing Broward County's goals and meeting the design standards.

Resource Support

- **Team with:**
  - 27 specialty Consultants and Engineers of Record
  - over 475 combined years of aviation experience.
  - experience serving 516 Airports.
  - combined experience working on 8551 aviation projects.
  - experience working on 1232+ LEED projects.
  - firms that have worked on projects together.
  - 31 local employees who are a resource for any project assignment in this contract. Our team is fully integrated and capable of using remote work environments as required for project delivery and project management.
- The use of cloud-based software and file management increases efficiency of communication between the client, stakeholders, prime consultant, and the consultant team.
- Our typical Engineering Consultants are locally based and familiar with work at FLL.
- Our specialty Engineering Consultants include national firms who have delivered aviation design for international airport hubs.



Fort Lauderdale Hollywood International Airport



Project Approach

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Project Approach

ACAI has been planning, programming, and designing aviation and transportation facilities for over 35 years. We bring unrivaled passion, integrity, innovation, budget adherence, a "customer-first" focus ... and a design focused on the passenger experience to every project. We have extensive airport designing experience including system planning, engineering, parking structures, fuel system design, transportation and traffic engineering, and LEED commissioning and construction management.



FLL Pedestrian Bridges

We previously provided and are currently providing services to FLL and HWO so we recognize your challenges. We recognize that public buildings need to keep up with growing community needs and technological requirements. Our Team maintains strict oversight on all design and construction projects. This includes plan approvals and intensive on-site inspections, to ensure they will meet all the County's standards and governing codes.

We know airport facilities, parking structures, fuel system design, transportation and traffic engineering, and LEED commissioning as well as the other services listed in the Scope of Services. We understand that once selected, individual service agreements will be necessary on a project-by-project basis.

We have assembled an exemplary team of airport consultants and specialist who have the breadth of knowledge required to work hand in hand with the County to continue bringing your vision to fruition and your goals to reality. Our Senior Project Manager, Paul Pannier will work to oversee the management of the entire team with assistance from Principal-in-Charge Adolfo Cotilla. With their leadership and guidance our team will deliver the wide variation of projects anticipated under this contract.

ACAI will assign subconsultant teams based on relevant experience in managing multiple projects for various clients in the aviation market. The opportunity to work on multiple projects with the same team will enhance the team's ability to coordinate project details and systems with the same consultants on the various projects assigned from the Buildings Program.

Our proposed team will provide the following services:

Services	Team(s)
Architectural Design Services	ACAI
Interior Design	ACAI
Civil Engineering	Thompson & Associates (CBE)
Structural Engineering	S&F, ACES, Biagi Engineering (All CBEs)
Electrical, Mechanical and Plumbing Engineering	Delta G/ECI (All CBEs)
Geotechnical Engineering	Terracon
Environmental engineering	The Chappell Group, Inc. (CBE)
Surveying	Stoner (CBE)
Subsurface Utility Engineering (SUE)	US Utility Potholding (CBE)
Fire Protection Design	Delta G (CBE)
Telecommunication, CCTV, and Data Engineering	Delta G (CBE), NV5
Fuel System Design	TY Lin, Aba-Con Aviation Services
Lighting System Design	Smith Engineering Consulting (CBE)
Permitting/Obtaining Jurisdiction Approvals	All teaming firms depending on scope
Cost Estimate	Cost Management Inc., NV5
Preparing 3D Renderings	Illustrate My Design

Section E: Evaluation Criteria

Project Approach

Services	Team(s)
Bid and Award Assistance	ACAI and other firms based on scope
Commissioning, including LEED certification	Spinnaker, NV5
Infrastructure/ Equipment Evaluations	ACAI, Delta G/ECI (All CBEs), Thompson & Associates (CBE), S&F, ACES, Biagi Engineering (All CBEs)
Building Information Modeling (BIM)	ACAI
Construction Inspections Services	ACAI and other firms based on scope
Blast Analysis and Design Services	Delta Q Consultants and BDI BLAST DEFLECTOR (Jets)
Building Flood Proofing Design Services	Coastal Risk
Feasibility assessments	ACAI and other firms based on scope
Transportation and Traffic Engineering	Traf Tech
Landscape Architecture	GSLA
Material Testing	NV5, Quest (CBE)
Environmental Protection	The Chappell Group, Inc. (CBE)

Steps to Success

An in-depth programming phase will begin once a project is assigned. This phase will include site visits to evaluate existing airport facilities, meeting with the Airport Manager, Operations Manager, and User Groups to attain a clear understanding of the business model, physical requirements, and Users' needs. We will then review this information to determine what tasks are necessary to complete the project scope. Security considerations and interfacing with appropriate regulatory and permitting agencies would also start in this phase. Input and review by these agencies are crucial to the project being designed to budget and schedule.

We are familiar with airport facilities permitting. Our familiarity and experience have been gained through current and previous airport contracts with Fort Lauderdale Executive Airport (FXE), Fort Lauderdale-Hollywood International Airport (FLL), and Miami-International Airport (MIA), to name a few.

Project Management Plan (PMP)

Paul will develop the Project Management Plan (PMP) which will include the following consultant-based tasks:

- Understand the Funding source for the assignment.
- Identify zipper process to align project deliverables with BCAD reviews and approvals.
- Facilitate Value Engineering and constructability reviews with BCAD.
- Manage Quality Control Reviews.
- Review and Approval of Regulatory Agencies.
- Required Date and Start of Construction.

Once appropriate program information has been developed, our airport cost estimator, CMI - Cost Management, Inc. will prepare a cost estimate. CMI will be supported by NV5 to ensure that when multiple tasks are assigned, they maintain scheduling requirements. Subsequent phases of Design Development, Construction Documents, Construction Management, Construction Administration, and CEI services would be defined after the scope is delineated.

Additional approach elements include:

- Engaging all subconsultants and agreeing on the scope, schedule and fees.
- Monitoring progress toward agreed upon CBE goals.
- Project kick-off with BCAD and Subconsultants.

Section E: Evaluation Criteria

Project Approach

- Scheduling regular cycle of design progress meetings with BCAD.
- Scheduling regular management team and progress/coordination meetings with subconsultants.
- Documenting meetings, decisions made and maintenance of action item list with tasks and completion dates assigned.
- Tracking ongoing progress of the Design Team to maintain the project schedule. Implement recovery plans if design work is delayed for any reason.
- Ensuring design deliverables dates are met and that Quality Control Plans are implemented (on-team and off-team reviews, reviews with BCAD).

Proven Design Experience

We have developed a method for delivering quality designed, low-cost facilities through efficient planning and simple straightforward detailing, resulting in consistently meeting realistic budgets. Having worked on numerous public facilities in the past, we understand the process and priorities needed. We understand that assuring timely cost-effective delivery is essential to a project. We achieve these goals by meeting with all essential personnel regularly and creating a design with their input; and coordinating flow for passenger access to secure customs areas. We will work with the County's assigned Airport Manager to ensure compliance with all project requirements. The ACAI Team is committed to providing all vital resources required to service this contract.

Water Diversion Issue

Using Hardscape to Divert Water Away from the Building - It is always crucial to have water flow away from all buildings. Much of this stormwater can be directed toward landscape areas to reduce the amount of irrigation necessary. This also has the added benefit of pretreating (partial cleansing) the run-off. In heavier rain events, excess storm water can be picked up through a weir type system to underground containment tanks, for later grey water reuse.

Additional means of diverting water away from the building:

- Channel diversion
- Elevation/Gradient changes and Temporary or Permanent Flood Barriers.
- Use of resilient façade design practices for roofs, windows, and entrances to limit damage from intense precipitation (rainfall) events.

Technology to Expedite Project Delivery Services

We have been using electronic communication and file sharing software for twelve (12) years. This has improved the accuracy and speed at which we are able to create and process project documentation and file management for consultant, contractor and BCAD team members. ACAI has a proponent of Autodesk BIM 360 for cloud-based collaboration of design drawings between team members.

AUTODESK.

Autodesk awarded ACAI a contract for the beta testing of their Revit Release 15 (precursor to Revit's current BIM 360 software).

Additionally, we use virtual meeting services (Teams, Bluebeam Studio and Go-to-Meeting) to regularly, quickly and efficiently gather information and obtain sign-off on project milestones digitally. Whether around the corner or in the next county, we find this is a very quick, effective way to bring teams together frequently for short periods of time. This quick, targeted approach reduces meeting prep time for both the Team and Client and allows for more dynamic exchange of ideas. Similarly, we work with contractors and equipment vendors using digital deliverables and file sharing services to expedite construction phase communication to keep projects on schedule.



Section E: Evaluation Criteria

Project Approach

We have been utilizing virtual meeting platforms for the past ten (10) years prior the COVID Pandemic. Our experience has provided us an advance degree in virtual meetings and delivery.

Our approach to technology and innovation is exemplified in the work we are currently providing at Fort Lauderdale-Hollywood International Airport at Terminal 4. FLL is one of the first airports in the county to embrace these innovations in customer service. Terminal 4 includes a reconfiguration and expansion of the Federal Inspection Services (FIS) provided by the United States Customs and Border Protection (CBP). This greatly expanded new FIS facility will triple the capacity to serve international passengers arriving at terminal 4 international gates, increased from seven to twelve and the total number of Terminal 4 passenger gates from ten to fourteen. The latest advances in technology including dynamic signage, global entry, automated passport control kiosks and mobile passport control will be implemented on this project. This technology will allow for fewer stations and faster processing of international passengers by CBP. The new facility will incorporate the following state-of-the-art features and enhancements that will be consistent with the latest CBP's Airport Technical Design Standard:

- Reconfiguration and expansion of the FIS
- FIS inbound baggage area and system
- Tenant lease space
- Building life safety design
- Wayfinding signage
- Upgraded Interior finishes
- Maintenance of operations
- Maintenance of passenger movement
- Operational phasing
- Enhanced passenger baggage re-check facility
- Administrative offices



Customs Facility at FXE

Managing Multiple Project Assignments/Work Authorizations

Paul Pannier has 35+ years of simultaneously managing and designing projects of difference scales and complexities. Regardless of the project scope, size or complexity, there are milestones that move projects forward. Dealing with these milestones is an issue of our proposed Senior Project Manager, Paul Pannier. Paul has 35+ years of simultaneously managing and designing projects of difference scales and complexities. He will:

- Ensure that budget guidelines and schedules are met by expediting the work to meet milestones;
- Establish clear communication channels for each project;
- Hold regularly scheduled internal status meetings to monitor the progress of each project;
- Make certain that the overall quality of each project is maintained; and
- Coordinate the sub-consultant assignments to increase efficiency in delivering various projects at the same time.



References

Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:

Ricondo and Associates

Contact Name: Remy Lucette, PMP, CM Title: Project Manager Reference date: 04/12/2021

Contact Email: rlucette@ricondo.com Contact Phone: (305) 260-2727 x 254

Name of Referenced Project: Advanced Planning Study for Gate D60 at MIA

Contract No.	Date Services Provided:			Project Amount:	
E16-MDAD-04 OC.107	04/2019	to	03/2021	$ 450,000,000.00	(est.)

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

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

Description of services provided by Vendor:

Terminal and Architectural Planning Services

Please 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)

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:

Ricondo and Associates

Contact Name: Remy Lucette, PMP, CM Title: Project Manager Reference date: 04/12/2021

Contact Email: rlucette@ricondo.com Contact Phone: (305) 260-2727 x 254

Name of Referenced Project: E-FIS Expansion Advanced Planning Study at MIA

Contract No.	Date Services Provided:			Project Amount:	
E16-MDAD-04 OC.108	07/2019	to	06/2020	$ 185,000,000.00	(est.)

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

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

Description of services provided by Vendor:

Terminal and architectural planning services.

Please 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)	☐	☐	☐	☐

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:

Miami-Dade Aviation Department

Contact Name: Manuel Freire, E.I. Title: Project Manager Reference date: 04/09/2021

Contact Email: Mfreire@miami-airport.com Contact Phone: (786) 4987587

Name of Referenced Project: MDAD EDS Scanning Room Concourse J, Gate 3

Contract No.	Date Services Provided:			Project Amount:
V040A	06/2017	to	10/2017	$ 400,000.00

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

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

Description of services provided by Vendor:

Vendor provided A/E services (Design development, Design, Construction Administration and Closeout) for an additional baggage screening area to accommodate additional security

Please 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)	☐	☑	☐	☐

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:

Sunshine Roofing and Sheet Metal Corp.

Contact Name: Steve McNally Title: Project Manager Reference date: 04/20/2022

Contact Email: steve@sunshineroofers.com Contact Phone: (786) 395-4747

Name of Referenced Project: MDAD - EDP Bldg 845 Re-roofing and Waterproofing

Contract No. Date Services Provided: 05/2016 to 10/2020 Project Amount: $ 400,000.00

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

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

Description of services provided by Vendor:

Architectural services, Plans, Observation of work

Please 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)	☐	☐	☑	☐

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:
PNC2120437P1, Professional Consultant Services for FLL and HWO Airports, Building Projects

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:
Southwest Airlines

Contact Name: Andy Quinones, Title: Project Manager Reference date: 04/20/2021

Contact Email: andy.quinones@wnco.com Contact Phone: 787-559-5735

Name of Referenced Project: Southwest Airlines Terminal 1 Renovations at FLL

Contract No. Date Services Provided: 02/2017 to 07/2017 Project Amount: $ 3,000,000.00

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

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

Description of services provided by Vendor:
A&E Design and Consulting services

Please 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)	☐	☐	☑	☐

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:
PNC2120437P1, Professional Consultant Services for FLL and HWO Airports, Building Projects

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:
Southwest Airlines

Contact Name: Andy Quinones Title: Project Manager Reference date: 04/20/2021

Contact Email: andy.quinones@wnco.com Contact Phone: 787-559-5735

Name of Referenced Project: SWA G03 Air Cargo Facility at FLL

Contract No. Date Services Provided: 07/2017 to 08/2019 Project Amount: $ 879,000.00

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

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

Description of services provided by Vendor:
Architectural & Engineering Services

Please 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)	☐	☐	☑	☐

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Section E: Evaluation Criteria

Past Performance - References

Vendor Reference Verification Form

Broward County Solicitation No. and Title:
PNC2120437P1, Professional Consultant Services for FLL and HWO Airports, Building Projects

Reference for: ACAI Associates, Inc.

Organization/Firm Name providing reference:
Southwest Airlines

Contact Name: Andrew Quinones, Title: Project Manager Reference date: 04/20/2021

Contact Email: andy.quinones@wnco.com Contact Phone: 787-559-5735

Name of Referenced Project: SWA Provo, GSE, Tech Ops and Facilities

Contract No. Date Services Provided: 01/2017 to 12/2018 Project Amount: $ 2,113,000.00

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

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

Description of services provided by Vendor:
Architectural & Engineering Services

Please 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)	☐	☐	☑	☐

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Section E: Evaluation Criteria

Past Performance - References

Turner

February 26, 2021

Letter of Reference

Re: ACAI Associates, Inc.

To Whom It May Concern:

It is a pleasure for me to write this letter and I hope it will serve as my recommendation of ACAI Associates, Inc.

ACAI has provided invaluable service to Turner Construction on several projects. ACAI is always service oriented. They respond immediately when needed; they complete their work assignments on time; and have never disappointed us by producing work inconsistent with our budgetary constraints.

I have personally worked with ACAI on the renovation project for the Salah Foundation Children's Hospital at the Broward Health System in Ft. Lauderdale, FL.

ACAI's staff is very knowledgeable in their field and in how they delivery their work, their understanding of our needs far exceeded our expectations. It is with no hesitation that I write this Letter of Recommendation on their behalf.

I look forward to working with ACAI in the future.

Sincerely,

Larry Blackburn
Turner Construction
VP – Florida Healthcare Director

NSU Florida
NOVA SOUTHEASTERN UNIVERSITY

HEALTH PROFESSIONS DIVISION
Executive Office
3200 South University Drive
Fort Lauderdale, Florida 33328-2018
PHONE: (954) 262-1500
800-356-0026, ext. 21500
FAX: (954) 262-1714
WEB: nova.edu

December 8, 2020

Virgin Islands Board of Architects
Engineers and Land Surveyors
Department of Licensing and Consumer Affairs
3000 Golden Rock Shopping Center / Suite # 9
Christiansted, VI 00820-4311

To Whom It May Concern,

I have been asked to write this letter of recommendation for Mr. Adolfo Cotilla, President of ACAI Associates, Inc. as a requirement for his application for Architectural License via Reciprocity in the Virgin Islands, and it is without hesitation that I honor this request.

I have known the Cotilla family both personally and professionally for over twenty years. Personally, Adolfo is a kind individual with a pleasant disposition and personality. He is a dedicated and loyal friend. I am glad to consider him my friend and relish our encounters together. Professionally, Adolfo is the President of ACAI Associates who has served Nova Southeastern University, for which I am the Chancellor of the Health Professions Division, as our architect and planner for all University construction and/or renovations since 1993. In this realm and through his leadership they provide architectural, engineering, planning, programing, interior design, and construction leadership. Under his sound direction, their quality of service and knowledge in their field are exemplary. ACAI's strength lies on the firm's design, technology and project management expertise. ACAI communicates very effectively and designs facilities with efficiency in mind. All assignments are timely in completion whether that be design documents or the entire construction completion. Projects are completed within the predetermined budgetary projections as well. We have never experienced any problem or concern. This firm always performs, exhibiting exceptional integrity, above and beyond our expectations. His company's accomplishments and reputation are solely due to the character of its President and my friend, Adolfo Cotilla.

It has been a pleasure to work with Adolfo and his team as we have developed all our campuses in FL-Lee, Hillsborough, Pinellas, Escambia, Duval, Palm Beach, Broward, Miami-Dade counties as well as Puerto Rico. When we require architectural leadership and guidance, it is without hesitation that we seek the advice of Adolfo Cotilla and trust him to completely satisfy our needs.

Should you need any additional information, feel free to contact me.

Sincerely,

Frederick Lippman, R.Ph., Ed.D.
Chancellor, Health Professions Division

Past Performance - References

HCS ENGINEERS, LLC
8119 NW 33rd Street
Doral, FL 33122
786.747.4176

April 12, 2021

Letter of Reference

Re: ACAI Associates, Inc.

To Whom It May Concern:

It is a pleasure for me to write this letter and I hope it will serve as my recommendation of ACAI Associates, Inc.

ACAI has provided invaluable service to University of Miami and Memorial Healthcare System on several projects that we have together on. ACAI is always service oriented. They respond immediately when needed; they complete their work assignments on time; and have never disappointed us by producing work inconsistent with our budgetary constraints.

ACAI's staff is very knowledgeable in their field and in how they delivery their work, their understanding of our needs far exceeded our expectations. It is with no hesitation that I write this Letter of Recommendation on their behalf,

I look forward to working with ACAI in the future.

Sincerely,

Juan Cardona, EIT, LEED AP
Partner

February 5, 2019

Letter of Reference

Re: **ACAI Associates, Incorporated**

To Whom It May Concern:

ACAI Associates the design criteria professionals for our Administration Building, which includes a police substation and again several years later when they designed our 20,000 GSF Air Rescue Fire Fighting Station (ARFF) to handle landside and airside emergencies at Fort Lauderdale Executive Airport. The ARFF combines the City's Fire Station's 53 and 88 and overall teaching components in addition to serving as our City's Emergency Operations Center. ACAI was also instrumental in developing a program for relocating our U.S. Customs and Border Protection facility.

ACAI's involvement with the Administration Building was outstanding in both the design and construction management support services. The project came in below budget and was built ahead of schedule. ACAI also provided design and construction management services with the ARFF project. They are well versed in addressing issues, working with contractors and on their knowledge of construction.

Sincerely,

Fernando Blanco
Project Manager II

Section E: Evaluation Criteria

Past Performance - References

March 4, 2021

Letter of Reference

In my role as Director of Design and Construction at Broward Health, I had the pleasure of working with ACAI Associates on a variety of projects at the District's main hospitals and clinics. ACAI has provided valuable service as the Architects of Record including planning, design and construction administration for the renovation and expansion of the Salah Foundation Children's Hospital for the past ten years. They also provided comprehensive design packages for the ADA renovations at each of the hospitals and clinics in the Broward Health District.

ACAI's team has many long-term relationships with healthcare clients providing services for program expansions, building renovations and clinical equipment upgrades. ACAI takes the time to develop programs for projects with hospital leadership, and to spend the time with clinical teams to understand the project goals and opportunities to address patient and staff needs in the healthcare setting to provide clients with appropriate design recommendations.

ACAI responds immediately when needed to complete their assignments quickly, with the attention to quality control and budgetary parameters for projects large and small. Their experience providing construction administration services for healthcare projects includes expertise in the business side of construction delivery systems that makes them the preferred team member for complex healthcare projects in occupied facilities and new construction.

I am pleased to recommend ACAI Associates as I am confident that they will provide exceptional services for your project.

Richard Polemeni,

Crawford-Tracey Corporation
Glazing Innovations Since 1956

December 8th, 2020

Virgin Islands Board of Architects
Engineers and Land Surveyors
Department of Licensing and Consumer Affairs
3000 Golden Rock Shopping Center, Suite 9
Christiansted, VI 00820-4311

To Whom it May Concern:

It is indeed a pleasure for me to serve as reference to Mr. Adolfo Cotilla's personal character and business acumen. I have known Adolfo both professionally and personally for over 28 years. During that time, we have collaborated on numerous design/assist projects, all successful for our companies and continued working relationship. I admire and appreciate his knowledge and professional experience, along with his unwavering ethics and standards.

Adolfo is an upstanding individual very much involved in the architectural community. He offers his expertise on industry boards, at AIA, through mentorship programs and speaking engagements focusing on sustainable architecture, LEED requirements, BIM technology and so much more. He and his firm have provided architectural services to Federal, State, and local governments, and to a host of industries throughout Florida for over 35 years. Mr. Cotilla is very highly regarded by the community, his employees, his clients and working partners.

I sincerely recommend any personal or business venture with Adolfo Cotilla. Please reach out if you have any questions or if you wish further information.

Sincerely,

Raymond E. Crawford
President, Crawford-Tracey Corporation

3301 S.W.13th Dr. · Deerfield Beach, FL 33442-8108 · T: 954.698.6888 · F: 954.698.6889 · www.crawfordtracey.com

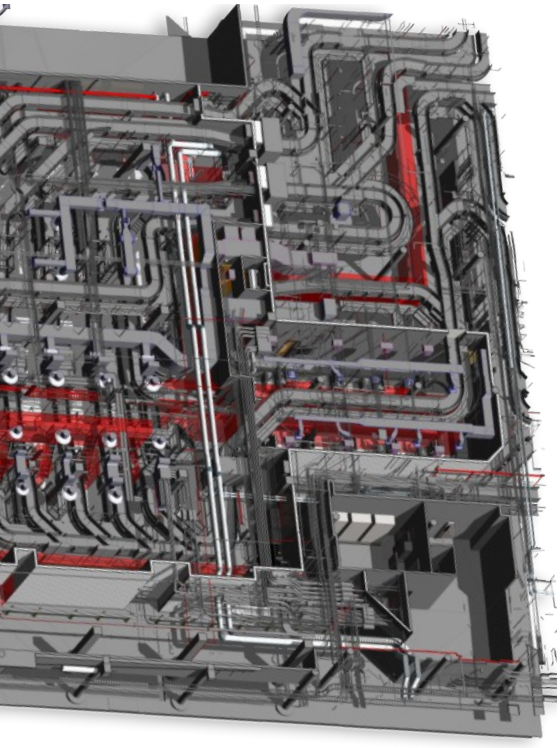


Past Performance

ACAI
architecture · engineering
acaiarchitects.com

Section E: Evaluation Criteria

Past Performance - CAD / BIM Experience and Capabilities



ACAI has been an industry leader in the integration of BIM/VDC technology (Task No. 31.143) which allows 3D visualization of drawings, helps identify problems earlier, and facilitates discussion of the most efficient approach to design and construction. It also allows for a very powerful 4D simulation in the planning and integration of staging and sequencing of projects, which is particularly useful in restricted sites and sites where existing facilities need to remain operational.

ACAI delivers all projects in Revit and BIM unless directed by Clients. Work that requires field verification is done with the aid of our company owned LiDAR scanners and other software associated with ease of reading scanned environments. This affords us the ability of early start of work by interpolating the use of scan-to-BIM coupling and actually designing (and in many cases engineering) within the scanned point cloud environment. This saves time, something especially valuable in fast-track projects and in systems-heavy as-built conditions and retrofit work.

In the conceptual/schematic phase we implement generative and parametric programmatic modeling as part of the process to define project goals and objectives. This provides design flexibility and adaptability that allows the opportunity to explore many design solutions while understanding constraints and impacts to the overall design. The modeling process will result in the optimal design solution for the project. Once the schematic is finalized, our designers and technical team further develop the project with the consultants through design development and construction document.

Typically, in design development, as the infrastructure and systems are developed, we start working through model clashes by utilizing software to assist in the process. The areas that require adjustments are addressed and incorporated into the design. Clash detection and coordination continues into the construction document phase.

In the construction document phase, we “build” a 3-dimensional representation of the project that facilitates quicker production time and allows us to detect potential coordination and clash issues before the drawings are finalized.

This adds an extra layer of quality control that takes place before our formal QA/QC process. For systems that will require continual maintenance; ACAI has the capability to implement Construction Operation Building Information Exchange (COBie) into our BIM models that can be used by the facility maintenance department.

Throughout the process, the design is presented primarily in 3D in intervals to keep the Client up to date in our progress (in sync with deliverables.) We have observed this expedites the decision-making process and enhances everyone’s attention in the project. We utilize simple 3D snapshots of the model to discuss an area, or we prepare walk-throughs to communicate the design to the Client. This gives everyone involved in the project a good understanding of spatial relationships and design elements.

We work with our consultants in Revit software and manage the models in a real time cloud-based environment (BIM 360) that promotes efficiency and outcome predictability. Early in the process we enter into an agreement with our consultants referred to as the Project Execution Plan (PxP) which defines our project roles, standards, and maps in delivering the work. This provides a timeline and standard for the deliverables for all the consultants.

The software used throughout the process are the following: Revit 2020/ Autodesk Recap, Dynamo, Code Book, BIM 360 DOCS (cloud based model collaboration software), COBie Extension v7(Facilities Mgmt Asset/Data Authoring), ClearEdge 3D, Edgewise 5.2 – point cloud conversion into BIM object, Interface with IES VE 2018 Revit Energy Modeling and Day- lighting Analysis, Naviswork for clash prevention and detection, 4D sim, Autodesk Recap Pro v5.0 (Stitching point cloud & viewing 360 HD photographs), Act-3D Lumion 9.3 (Photorealistic Virtual Walkthrough Animations and Renderings).



FLL T4 Checked Baggage Inspection System

Section E: Evaluation Criteria

Past Performance - Working with Regulatory Agencies

Our licensure as a certified General Contractor enables us to be the permit expediter for projects at the various city and county agencies on behalf of our clients. We serve in this role for our clients who wish to begin the permit process before the Contractor is identified for the project. Our Project Manager and Subject Matter Expert in Code Compliance, Betty Loynaz AIA, CBC, LEED AP BD+C, manages our permitting services with Broward County area jurisdictions and other regulatory agencies. We also have a dedicated Construction Administration staff that has many years of experience with permitting projects in Broward County and regional agency jurisdictions.

Our Director of Operations was the FEMA liaison for the Continuing Contract architect for Florida International University after Hurricane Andrew. This involved coordination of all the Design Professionals and Contractors, as well as reconciling the initial Damage Survey Reports (DSR's), used by FEMA, to actual conditions when they were later re-evaluated. She then coordinated the DSR's, FEMA contribution, and insurance coverage (Property and Boiler & Machinery). This resulted in a 100% recovery for the State University System. Similar services were later provided at the University of Florida IFAS Campus in Homestead.



Broward County ePermits Electronic Signature Document

This document is signed and sealed to secure the data in this plan review application and any attached files that were electronically submitted as described in the applicable professional regulation(s) for signing and sealing electronically transmitted plans.

Reference Number: 0000025916
Applicant Name: Edwin Giraldo
Project Name: NSU Cell Therapy Institute

Signature Report Document Created: 09/09/2016 15:52:09

The following files are attached and sealed:

File Name / Description	Document Types	Authentication Code (SHA-1)	Authentication Date
98-007 P97-34 ARCH.pdf ARCHITECTURAL	Architectural	492255C248095F585E0EE0026046187E24B056CC	9/9/2016 15:51:45

The seal on this document is authorized by:
Professional: ARCHITECT
License Number: AR 0008448
Signature: Date: 9/9/16
Seal:

NOTE: Effective December 10, 2013, the signed and sealed report may be submitted either by hardcopy or scanned and sent electronically. The hardcopy signed and sealed report shall be retained by the licensee in accordance with Rule 61G15-30.009, F.A.C. for Professional Engineers only. All others require the original documents(s) be submitted in original form:

Environmental Licensing and Building Permitting
Attn: Development and Environmental Review
1 N UNIVERSITY DRIVE STE 102
Plantation, FL 33324

If you have any questions, please contact us at: (954) 765-4400

We have worked on a variety of projects for SFWMD. This enabled ACAI staff to become very familiar with SFWMD permitting procedures. Projects included providing architectural and engineering services for space planning, interior renovations, expansions, and ADA as¬sessment and retrofits. In addition to SFWMD we worked on permitting documents and procedures for the Florida Department of Environmental Protection (FDEP), Florida Department of Economic Opportunity (DOE), and the Florida Department of Transportation (FDOT). For the DOE we worked with the Cities of Tamarac and Miramar on the DOE Community Service Block Grant Programs as it related to low-income housing.

Additional agencies that we have worked with include:

- Permitting and Inspection Center
- Building Division, Permits – Building & Zoning
- Environmental Plan Review Office
- Department of Environmental Resource Management (DERM)
- Development Services & Zoning (West Office)
- Multiple Cities within Broward County
- Broward County water and Sewer Utility providers
- Health Department and Environmental Protection and Growth Management

Below are some of our consultant's experience with Broward County and other regulatory agencies.

- **ABA-CON** has delt directly with the SFWMD, the FAA, and the FDEP in obtaining permits and approvals. Their staff is fully capable of working with the above listed agencies to ensure proper regulatory requirements pertaining to aviation fueling facilities.

- The staff at **GRAEF** have advised commercial, industrial, governmental, and municipal clients on regulatory issues and provided assistance in preparing federal, state, and/or local permit, certificate, and license applications for hundreds of projects. Their success has been achieved through close communication with their clients to meet agency procedural and documentation requirements.

- **S&F** has experience in permitting with FDOT and FAA. S&F provided design services for the parking signage projects and perimeter road, taxi lot services that required FDOT approvals. They also provided design services for Fuel Hydrant vaults, fueling pits and concrete pavement replacement at Terminals 1, 3 and 4 that required design using FAA specifications.

- **Terracon** is well versed in obtaining permits for Maintenance of Traffic/lane closure that are typically required for geotechnical services from Broward County and Florida Department of Transportation. They previously worked at several airports and are aware of all the coordination and access requirements to perform geotechnical services within the airport limits. In addition, Terracon's material testing personnel have worked on several airport projects and understand airport security protocols.

Section E: Evaluation Criteria

Past Performance - Construction Administration



Recognizing that the construction phase is critical to successful project management, ACAI maintains carefully documented records, including meeting minutes, logs for RFIs, change orders (COs), shop drawings, submittals, etc., to keep all parties abreast of current developments. The project's designated Contract Administrator (CA) reviews the construction documents prior to the pre-construction meeting and visits the construction site regularly to monitor construction progress and answer the contractor's questions. The CA keeps the client abreast of construction progress and answers the contractor's questions, issues a punch list and verifies completion of the project. Our services include a one-year post occupancy walk-through to review project issues after the user-group is in place and prior to the expiration of warranties and construction management delivery for challenging projects.

We have extensive experience with construction administration. Our experience includes managing and administering all aspects of construction contracts, contract interpretations and negotiations, alternative dispute resolutions, payment administration, maintaining documentation, experience with Critical Path Method schedules which are critical to effective project management, pre-construction and construction meetings, change order estimating and processing, performing inspections, field reports and preparation of punch lists and the obtaining of Certificates of Occupancy. Our personnel have had years of "in the filed" experience in the construction industry with personal knowledge of how General Contractors and Subcontractors operate on construction projects.

We embrace the knowledge that we are not the only ones who should participate in the construction administration phase. Our engineers and other consultants (depending on their role on a project) are engaged in construction administration, thus enhancing the overall team's performance, quality control inspections, responses to RFIs, and contractor's project delivery as designed.

Due to the number of Firms on our team we have decided to include only a few of their construction administration experience.

- As part of our construction administration duties, **GRAEF** will quickly and thoroughly review shop drawings and answer any RFI's during construction in a prompt manner to keep construction moving. In addition to a preconstruction conference and the required observations, **GRAEF staff will be available** for any additional site visits, public meetings, or progress meetings that BCAD may deem necessary. Final punch lists and project closeout will be coordinated through BCAD and include close out documents and the preparation of as-built drawings, as necessary. A final meeting after project closeout will be held with the staff to solicit feedback on project performance and discuss lessons learned for future projects.

- Construction Administration services is the most distinctive differentiator for **JSM**. Upon review of our project team organization chart, you will quickly see the number of years spent in the Baggage Handling System Industry are unparalleled. What is more impressive than the years of service is the fact that all those years have been spent installing baggage systems and managing the installation of baggage systems. No one can boast more hands-on experience installing baggage systems. No other competitor can claim to have had the responsibility to bring a system online. This is what separates JSM from the rest of the field. **Currently, JSM is providing construction administration services for three (3) large BHS projects.** With the experience gained from over 300 BHS installations, it is easy to see why JSM has been chosen to provide construction administration (CA) services for some of the largest BHS projects in the western hemisphere.



Section E: Evaluation Criteria

Past Performance - Construction Administration

- **S&F** has provided construction administration services for nearly all projects for which the firm provided structural engineering design services. The firm has provided Special Inspection services for more than 20 projects at the Fort Lauderdale International Airport, including Fuel Hydrant vaults at Terminal 3 and 4, more than 10 restaurant additions in Terminals 1, 3 and 4, Palm garage concrete repairs and Parking Signage project. It is S&F's preference to be involved in all phases of the projects to deliver the best possible service for the project.

- **Terracon** brings extensive resources, expertise, and knowledge. They 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 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. Their 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, they understand that the requirements of working in the movement/non-movement areas of the AOA (Air Operations Area) at an extremely active airport.

- **DESMAN** has extensive experience in the **design and restoration of parking structures** and has been involved in all phases including planning, design, permitting, bidding, construction, and maintenance. DESMAN's dedicated staff of parking specialists engaged in the design phase will remain directly involved during the construction phase. This consistency ensures the implementation of design intent with the knowledge of the project history.

  Open and constant communication along with timely responsiveness are considered as main focal points throughout the construction phase. Deliverables in the construction phase include shop drawing submittals review, product data review, requests for information (RFI) review, attendance at construction meetings, site observations accompanied by reports, conducting punch list reviews, completing as-built record drawings, and accepting the overall construction.

  After construction is completed, operational maintenance begins and extends throughout the life of the structure. Desman's team will provide a maintenance manual specific to the parking structure project. The manual provides a roadmap for recommendations for frequency and types of operational, aesthetic, and structural repairs in checklist and tabular format. The manual also includes copies of the major product data submissions for ease of reference such as paint, expansion joints, striping, and mechanical equipment.



FLL T4 Checked Baggage Inspection Systems



Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
08-012 G01 Broward Health all phases	Active	Various
12-009 G01 City of Sunrise Nob Hill Passive Park	Active	Construction
14-009 P01 FTE Heft 2 E8N20 DB Express Lanes SR821	Active	Construction
14-014 C01 SFRTA OPERATIONS BUILDING CA with KHA	Completed	Completed
14-014 G01 SFRTA Design Criteria Package with KHA	Completed	Completed
14-017 G01 Construction Management at FXE	Completed	Completed
14-018 P01 CT Daytona Race Track - Glazing BIM	Completed	Completed
14-019 P03 SBBC Coral Springs Middle School	Active	Design
14-023 P01 DMS Dimick Building Reroof & Site Lighting	Completed	Completed
14-024 G01 Michelangelo Senior Living Facility	Completed	Completed
14-025 G01 UMH 4th Flr Pathology Renovations MNC231	Completed	Completed
14-026 G01 MSMC MRI Suite Renovation	Completed	Completed
14-027 G01 350 Lincoln Road	Completed	Completed
14-028 G01 Cone Plaza Renovation	Completed	Completed
14-029 C01 Skanska MSM BIM	Completed	Completed
14-030 C01 Kendall Elect FIU SASC BIM	Completed	Completed
14-031 G01 MSMC Washer & Sterilizer Implementation	Completed	Completed
14-033 P01 KHA Miami River Bridge Renderings	Completed	Completed
14-034 G01 MSMC Cath LAB-CCL9 Renovation	Completed	Completed
14-035 G01, G02, G03 BCAD T4 FIS ALL PHASES	Active	Construction
15-001 G01 & P01 UM MSC Auditorium Renovation	Completed	Completed
15-002 G01 MSMC AVENTURA MRI RELOCATION	Completed	Completed
15-003 P01 Pompano Farmers Market Feasibility Study	Completed	Completed
15-004 P01 MSMC Ground FL Life Safety Upgrades	Completed	Completed
15-005 G01 UMH SCCC WEST CT REPLACEMENT MNC364	Completed	Completed
15-006 G01 EXPAND CORAL SPRINGS CSI BUILDING	Completed	Completed
15-007 P01 BHMC WW EXEC SUMMARY	Completed	Completed
15-008 G01 X01 & X02 FMC EP LAB SUITE RENOVATION GROUND FLOOR	Completed	Completed
15-009 G01 PCS UPPER & LOWER SCHOOLS INNOVATION LABS D/B	Completed	Completed
15-011 G01 UM MSC GUARDHOUSE RELOCATION	Completed	Completed
15-013 C01 ROBINS & MORTON TRADITION HOSP BIM	Completed	Completed
15-014 C01 PALMETTO LS PLANS 2015 UPGRADES	Completed	Completed
15-015 G01, G02 & P01 CITY OF HALLANDALE CITY HALL RENOVATIONS	Completed	Completed
15-015 P02 HALLANDALE COMMISSION ROOM RENOVATION	Completed	Completed
15-016 G01 PALMETTO GH MRI EQUIPMENT REPLACEMENT	Completed	Completed
15-017 G01 UM MSC CAFETERIA RENOVATION	Completed	Completed
15-018 G01 PARKLAND PINES TRAIL PARK RESTROOM BLDG	Completed	Completed
15-019 C01 SFWMD NEW FIELD STATION AT BIG CYPRESS	Completed	Completed
15-019 P01 King Saint Cloud Report SFWMD	Completed	Completed
15-019 P02 King G93 Control Room Building SFWMD	Completed	Completed
15-021 G01 BHM BOILER PLANT RENOVATIONS	Completed	Completed
15-023 P01 - P15 DCP FOR Various MIAMI GARDENS PARKS BUILDING PROJECTS	Completed	Completed
15-024 G01 THE WAVE STREETCAR WITH PARSONS TRANS	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
15-025 P01 MSMC LIFE SAFETY UPGRADES 2ND FL THRU PH	Completed	Completed
15-026 P01 MSMC FSED CODE REVIEW & PRE-DESIGN SERV	Completed	Completed
15-027 G01 MSMC 1.5T MRI SUITE RELOCATION	Completed	Completed
15-028 G01 & P01 DMS SOUTH BAY CORRECTIONAL FACILITY	Completed	Completed
15-029 G01 FDOT District 4 support services	Completed	Completed
15-030 C01 BROWARD CTY ROOFING CONSULTING SVCS 25 PROJECTS	Completed	Completed
15-031 C01 Miami City Self Storage BIM	Completed	Completed
15-032 G01 MSMC Cath Lab - CCL10 Renovation	Completed	Completed
15-033 P01 HVAC EVALUATION	Completed	Completed
15-034 G01 WEWORK SECURITY BUILDING	Completed	Completed
15-035 C01 HANLON SCAN BIM MSM	Completed	Completed
15-036 G01 SBBC PARK TRAILS MODULAR CLASSROOMS	Completed	Completed
15-037 G01 SBBC HERON HEIGHTS MODULAR CLASSROOMS	Completed	Completed
15-038 G01 City of Ftl - Feasibility Study for FS 1	Completed	Completed
15-039 G01 MECH ROOM RENOVATIONS AT PLANTATION HS	Completed	Completed
15-040 G01 Broward CO Main Jail Window Replacement	Completed	Completed
15-041 G01 City of Ft Lauderdale Office Renovation	Completed	Completed
15-043 G01 MSMC ST PH1A LIFE SAFETY COORDINATION	Completed	Completed
16-001 G01 City Of Hallandale Beach Bluesten Park	Completed	Completed
16-0029 G01 UMH WEST BLDG 6TH FLR VASCULAR CLINIC	Completed	Completed
16-003 P01 RICONDO FLL MP UPDATE TSK 1 EXST INVEN	Completed	Completed
16-003 P02 RICONDO FLL NEW MASTER PLAN UPDATES	Completed	Completed
16-003 P03 Ricondo FLL New Masterplan Cost Estimate	Completed	Completed
16-004 G01 UMH WEST BLDG 4TH FLR RESIDENT ROOMS	Completed	Completed
16-004 G1 UMH WEST BLDG 4TH FLR RESIDENT ROOMS	Completed	Completed
16-005 C01 CT 801 LINCOLN ROAD GLAZING BIM	Completed	Completed
16-006 C01 ELEC BIM FOR PB BALLPARK WITH DAVCO ELEC	Completed	Completed
16-007 C01 CT TREASURE COAST BEHAVIORAL CARE FACILI	Completed	Completed
16-008 G01 MSMC LIFE SAFETY PLANS MANAGEMENT	Active	N/A
16-009 G01 MILLS POND RESTROOM PLANNING WITH CGA	Completed	Completed
16-010 G01 US 1 PEDESTRIAN BRIDGE WITH LAKES ENG	Completed	Completed
16-011 G01 MSMC STAIR DM2 & ER2 RECLASSIFICATION	Completed	Completed
16-012 G01 Roof Repair At Boyd Anderson With JALRW	Completed	Completed
16-014 C01 CT FIU RECREATION CENTER GLAZING BIM	Completed	Completed
16-015 G01 BHMC DIALYSIS UNIT	Completed	Completed
16-016 G01 FHP FT PIERCE GENERATOR SYSTEM UPGRADE	Completed	Completed
16-017 G01 FHP FT PIERCE REROOF	Completed	Completed
16-018 G01 FHP DAVIE PARKING & ADA	Completed	Completed
16-019 G01 MDAD Bldg 845 Reroofing & Waterproofing	Active	Construction
16-019 G02 MDAD EDP - AV - X045A - J3 - EDS ROOM	Completed	Completed
16-020 G01 MSMC LS and Hazardous Room Updates	Completed	Completed
16-021 G01 SBBC Boyd Anderson	Completed	Completed
16-021 G02 SBBC BLANCHE ELY	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
16-021 G03 McNab Elementary	Completed	Completed
16-021 G04 North Side Elementary	Completed	Completed
16-021 G05 Westwood Heights Elementary	Completed	Completed
16-021 G06 SBBC CONT SVCS MIRROR LAKE ES	Completed	Completed
16-021 G07 SBBC CONT SVCS CORAL SPRINGS ES	Completed	Completed
16-021 G08 SBBC Cont SVCS Nova Middle School	Active	Construction
16-021 G09 SBBC CONT SVCS NORTH SIDE ES-SPE	Completed	Completed
16-022 G01 THE WAVE STREETCAR WITH HDR	Completed	Completed
16-023 G01 Plantation Point Parking Garage	Completed	Completed
16-024 C01/C02 FORT LAUDERDALE CRA-1310 NW 16TH STREET	Completed	Completed
16-024 G01 FTL CRA 1310 NW 6TH ST ENVELOPE RESTORAT	Completed	Completed
16-025 G01 JHS Rehab Hospital Demolition & Enabling/New Rehab/Oil Switch/ PET/CT	Completed	Completed
16-027 G01 SBBC Northeast High School Renovations	Active	Construction
16-028 G01 FDOT WEKIVA PARKWAY SECTION 6	Completed	Completed
16-029 G01 UMH WEST BLDG 6TH FLR VASCULAR CLINIC	Completed	Completed
16-030 G01 CTY OF HALLANDALE BCH GOLDEN ISLES PARK	Active	Construction
16-033 G01 BHMC ELECTRICAL INFRASTRUCTURE UPGRADES	Completed	Completed
16-033 G02 BHMC LABOR & DELIVERY AHU/CCL3 DUAL PLANE CATH LAB/2ND FL SURGERY DECOM	Active	N/A
16-033 P01 BHMC FACILITY ASSESSMENT	Completed	Completed
16-034 C01 Barc Kendall Electrical BIM	Completed	Completed
16-035 G01 MHW Retail Pharmacy Renovation	Completed	Completed
16-035 G02 MRH CT SCAN REPLACEMENT	Completed	Completed
16-035 G03 MRH CCL6 EQUIPMENT REPLACEMENT	Active	Construction
16-035 G04 MHW CC SUITE 151 AMD 159 REN T	Completed	Completed
16-035 G05 MHW IMAGE RECOVERY SUITE 400 RENOVATIONS	Completed	Completed
16-035 G06 MHW MRI EQUIPMENT REPLACEMENT	Completed	Completed
16-035 G07 MRH ROOF REPLACEMENT	Active	Design
16-035 G08 MHW CYSTO OR RENOVATION	Completed	Completed
16-035 G09 MHW CATH LAB 1 EQUIPMENT REPLACEMENT	Completed	Completed
16-035 G10 MHW ROOF REPLACEMENT	Active	Construction
16-035 G11 MHW ROOF REPLACEMENT	Active	Construction
16-036 P01 Starmark Offices Buildout	Completed	Completed
16-037 G01 FXE Administration Building Alterations & Post Design Svcs	Completed	Completed
16-038 G01 Tamiami Park Miracle League Field	Completed	Completed
16-039 G01 BRWRD Co No Admin Roofing Consulting	Completed	Completed
17-001 G01 TRANSYSTEMS SWA FLL PROVO GSE TECH OPS	Completed	Completed
17-001 G02 TranSystems SWA FLL Concourses A & B	Completed	Completed
17-001 G03 TRANSYSTEMS SWA FLL CARGO RENOVATIONS	Completed	Completed
17-002 MM BROWARD COUNTY BIM VCD ON-CALL CONTRACT	Completed	Completed
17-003 G01 SBBC NOVA HIGH SCHOOL RENOVATIONS	Active	Construction
17-004 G01 SBBC HOLLYWOOD HILLS HIGH SCHOOL RENOV	Active	Construction
17-006 G01 SBBC DEERFIELD ELEMENTARY RENOVATIONS	Active	Construction

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
17-007 G01 SBBC GULFSTREAM ACADEMY RENOVATIONS	Active	Construction
17-008 G01 SBBC PEMBROKE PINES ES RENOVATIONS	Active	Construction
17-009 G01 SBBC RAMBLEWOOD MIDDLE SCHOOL RENOVATION	Active	Construction
17-010 G01 KEITH & SCHNARS CARD SOUND ROAD	Completed	Completed
17-011 G01 TERMINAL 4 CBIS SCANNING SERVICE AND BIM	Completed	Completed
17-012 G01 CITY OF MIAMI BEACH BUS SHELTERS	Active	Bidding Phase
17-014 G01 Terminal 4 CBIS Architectural Services	Completed	Completed
17-015 G01 DESIGN CRITERIA PACKAGE FOR KEOLIS	Completed	Completed
17-016 P08 FIRE STATION 20 PROGRAMMING REVIEW	Completed	Completed
17-017 P01 Marquis Health Services ALF Surveys	Completed	Completed
17-018 G02 WAVE MODERN STREETCAR WITH HDR - FDOT	Completed	Completed
18-001 G01 FAC ASSESS. FOR OAKLAND PK F&S Comm Ctr	Completed	Completed
18-001 P02 FAC. ASSESS. FOR OAKLAND PARK City Hall	Completed	Completed
18-001 P03 Fac Assess -Oakland Pk Frmrs Mkt & Libra	Completed	Completed
18-002 P01 PRE-DESIGN/SCOPING/DCP & Pre BID PKG FOR EMBASSAIR GROUP	Completed	Completed
18-003 P01 PORT EVERGLADES EMERGENCY POWER STUDY	Completed	Completed
18-004 G01 MSMC STAIRWELL UPGRADES-MULTIPLE BLDGS	Completed	Completed
18-005 G01 SBBC Larkdale Elementary School Renovati	Active	Construction
18-006 G01 SBBC Panther Run Elementary School Renov	Active	Construction
18-007 G01 CONSTRUCTION INSPECTION/PAY APP REVIEW GROVE HOTEL	Completed	Completed
18-008 G01 SBBC Lauderhill Paul Turner ES Renovatio	Active	Construction
18-009 G01 SBBC Winston Park Elementary School Reno	Active	Construction
18-010 G01 SBBC Park Ridge Elementary School Renova	Active	Construction
18-011 G01 MSMC Utility Bridge Hurricane Harding	Completed	Completed
18-012 G01 MSMC MSOP Escalator Removal	Completed	Completed
18-013 G01 Secret Woods Park Observation Platform	Completed	Completed
18-014 MM Ricondo MDAD MP and AP Consulting 2018	Completed	Completed
18-014 P01 RICONDO MDAD GATE D60 ADV PLANNING STUDY	Completed	Completed
18-014 P02 RICONDO MIA EFIS ADVANCED PLANNING STUDY	Completed	Completed
18-015 G01 CITY OF FT. LAUDERDALE FIRE STATION #13	Completed	Completed
18-016 G01 SFRTA BOCA II TRI RAIL STATION	Completed	Completed
18-017 02/03 MARLIN ENG - P3 REVIEW PROPOSALS City South Miami	Completed	Completed
18-017 P02 MARLIN ENG - LYNX/SOMI/OXFORD/ PROPOSAL REVIEW	Completed	Completed
18-018 G01 CITY OF FT. LAUDERDALE KIOSK	Completed	Completed
18-019 G01 CONCEPTUAL RENDERINGS FOR OAKLAND PARK	Completed	Completed
18-020 G01 MNC 689 CTSI TRAINING CONFERENCES CENTER	Completed	Completed
18-020 X01 MNC693 CTSI TRAINING CONFERENCE CENTER	Completed	Completed
18-021 G01 DPW MASTER PLAN FOR HALLANDALE BEACH	Completed	Completed
18-022 G01 CITY OF FT LAUDERDALE EMS SUBSTATION	Active	Awaiting NTP
18-023 G01 PBC WATER TREATMENT PLANT #2	Active	Bidding Phase
18-024 G01 SECRET WOODS PARK BUILDING RENOVATIONS	Active	Construction
18-026 C01 CT FLL T 2 - GLAZING BIM	Completed	Completed
18-027 G01 SDPBC NORTHMORE ES RENOVATIONS	Active	Construction

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
18-028 G01 SDPBC WESTERN PINES MS RENOVATIONS	Active	Construction
19-001 G01 MSMC TOWER AND MAIN PLAN UPDATE	Completed	Completed
19-002 G01 MSMC AVENTURA LIFE SAFETY PLAN UPDATE	Completed	Completed
19-003 G01 SITE FEASIBILITY STUDY FOR OAKLAND PARK	Completed	Completed
19-004 G01 SWA FLL T1B BREAK ROOM RENOVATION	Completed	Completed
19-004 G02 FLL-SWA Conc B Ramp Reconfiguration	Completed	Completed
19-004 G03 FLL-SWA Cargo Renovation	Completed	Completed
19-005 C02 FDOT D6 AUDITORIUM RESTROOM UPGRADE CA	Completed	Completed
19-005 C04 FDOT TREASURE COAST OPS FUEL SYSTEM	Active	Construction
19-005 MM FDOT CONTINUING SERVICES MASTER CONTRACT	Completed	Completed
19-005 P01 FDOT D6 MIAMI ADA RESTROOM UPGRADE	Completed	Completed
19-005 P02 FDOT D6 AUDITORIUM RESTROOM UPGRADE	Completed	Completed
19-005 P03 FDOT FT LAUDERDALE HQ LOBBY RENOVATIONS	Active	Design
19-005 P04 FDOT TREASURE COAST OPS FUEL SYSTEM	Completed	Completed
19-005 P05 FDOT TAMP HQ BREAKROOM ADA RESTROOM	Active	Design
19-006 G01 SBBC Silver Lakes Middle Sch Renovations	Active	Design
19-007 G01 SBBC CRESTHAVEN ELEM SCHOOL RENOVATIONS	Active	Design
19-008 G01 SBBC NEW RENAISSANCE MIDDLE RENOVATIONS	Active	Design
19-009 G01 MSMC HIALEAH LIFE SAFETY PLAN UPDATE	Completed	Completed
19-010 C01 PBCSO LAB ELECTRICAL BIM FOR DAVC0	Completed	Completed
19-011 G01 PARKING STUDIES FOR OAKLAND PARK	Active	Construction
19-012 C01 PBCSO LAB - PLUMBING BIM FOR RENCO	Completed	Completed
19-013 P01 New Charter School Renovation	Completed	Completed
19-014 G01 Secure Space @ SR Technologies	Completed	Completed
19-014 P01 SECURE SPACE @ SR TECHNOLOGIES	Completed	Completed
19-015 G01 MILLS POND PARK RESTROOMS & CONCESSION	Completed	Completed
19-016 G01 SITE SELECTION MATRIX FOR OAKLAND PARK	Completed	Completed
19-017 G01 CITY OF HALLANDALE DEVELOP SVCS DEPT	Completed	Completed
19-018 G01 MSMC TOWER DOOR AND EXIT SIGN UPDATES	On Hold	On Hold
19-019 G01 Palm Beach State College-PBG Renovation	Completed	Completed
19-020 P01 NSU Classroom Modifications @ Miramar	Completed	Completed
19-022 C01 WAUSM CONSTRUCTION ADMINISTRATION	Completed	Completed
19-022 G01 Western Atlantic College of Medicine	Active	Construction
19-023 G01 FTLCC PROVIDENT PARK	Completed	Completed
19-023 G02 FORT LAUDERDALE CONTINUING CONTRACT	Completed	Completed
19-024 G01 SKYLINE STEEL PROPERTY STUDY	Completed	Completed
19-026 G01 Polk Parkway DB	Active	Permitting
19-027 G01 HOUSE OF GOD CHURCH	Completed	Completed
19-028 P01 FIRE STATION 20 SCHEMATIC DESIGN	Completed	Completed
19-028 P02 OAKLAND FIRE STATION 87 SCHEMATIC DESIGN	Completed	Completed
19-028 P03 FIRE STATION 9 PROGRAMMING & DESIGN	Completed	Completed
19-028 P04 FIRE STATION 9 OAKLAND PARK PHASE 2	Active	Design
19-028 P05 FIRE STATION 20 PHASE 2 FOR OAKLAND PARK	Active	Design

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
19-029 G01 VIZCAYA MUSEUM AND GARDENS	Completed	Completed
19-030 G01 OAKLAND PROJ PLAN PHASING & SCHEDULING	Completed	Completed
19-031 P01 KHA NORTH LAUDERDALE ADA TRANSITION PLAN	Completed	Completed
19-032 N001 NSU Egress Plans @ ASL 2nd and 4th Floor	Completed	Completed
19-032 N003 New Glass Wash and Equipment @ CDM	Completed	Completed
19-032 N004 NSU Broward Innovation Center	Active	Construction
19-032 N008 Int'l Graduate Dental Program	Active	Programming
19-032N008.1 Int'l Graduate Dental Program Access	Active	Schematic
19-033 G01 NEW PUBLIC WORKS FACILITY OAKLAND PK PH1	Active	Design
19-034 C01 CT ROYAL CARIBBEAN HQ GLAZING BIM	Completed	Completed
20-001 G01 HALLANDALE HISTORIC VILLAGE MASTER PLAN	Active	Design
20-002 G01 MSMC AST FUEL TANK REPLACEMENT	Completed	Completed
20-003 C01 TPA Airport MTCE - West Tampa Glass BIM	Active	Construction
20-004 G01 FS 13_City of Ft. Lauderdale	Active	Schematic
20-005 P01 Assisted Living Facility Concept	Completed	Completed
20-005 P02 CDC Proposal for Research @ CCR	Completed	Completed
20-006 G01 NEW MEDICAL OFFICE SUITE @ JKV	Active	Construction
20-007 G01 New Preschool Hollywood Reservation	Active	Design
20-008 G01 New School Building Brighton Reservation	Active	Design
20-009 C01 F3 Marina FT Laud CTC Glazing CM-BIM	Active	Construction
20-011 P01 MHM MOB2 Roof Report	Complete	Completed
20-012 G01 Gym Addition Brighton Reservation	Active	Design
21-001 G01 New Fleet Maintenance Facility	Active	Design
21-005 C01 West Kendall Hospital CTC Glazing CM-BIM	Completed	Completed
98-007 C01 HPD: BGMC Oral Surgery Program @ 3rd Flr	Completed	Completed
98-007 C02 HPD BGMC AHU Replacemt @ 3rd Flr Dental	Completed	Completed
98-007 C03 NSU: Fischler Bldg - Misc projects	Completed	Completed
98-007 C05 Dental Clinic Expansion @ NMB Campus	Completed	Completed
98-007 G03 NSU: Main Entrance Feature	Completed	Completed
98-007 G05 NSU:HPD Garage Expansion & East Garage Expansion	Completed	Completed
98-007 G08 HPD: East Garage Expansion	Completed	Completed
98-007 P04 NSU/HPD Optometry ADAL and Expansion	Completed	Completed
98-007 P05 NSU/HPD Medical Library & Assembly Bldg	Completed	Completed
98-007 P07 NSU/HPD ADAL Pharmacy	Completed	Completed
98-007 P08 ADAL BS & MST Parker Building	Completed	Completed
98-007 P09 NSU: ADAL Recreation Complex Building	Completed	Completed
98-007 P12 NSU/HPD Clinic: QRS Remodeling	Completed	Completed
98-007 P14 HPD Library Entrance Studies, SIM ROOMS	Completed	Completed
98-007 P23 NSU: HPD Call Center	Completed	Completed
98-007 P22 HPD Pharmacy Exp Ponce, Puerto Rico	Completed	Completed
98-007 P15 NMB Tower: 2nd Floor New Classrooms	Completed	Completed
98-007 P19 NSU NMBC:Pharmacy Dept Expansion	Completed	Completed
98-007 P18 NSU WPB: Pharmacy Dept. Expansion	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 P24 Psychiatry Practice @ HPD Clinic	Completed	Completed
98-007 P25 NSU:Research Lab Expansion @ HPD Dental	Completed	Completed
98-007 P37 Tram/Shuttle System for HPD Garage, Ziff	Completed	Completed
98-007 P29 HPD Vision Sciences Lab	Completed	Completed
98-007 P33 NSU:HPD Clinic Lounge & Room #4146	Completed	Completed
98-007 P34 HPD:Master Public Health Program	Completed	Completed
98-007 P38 NSU: HPD: Dermatology Expansion	Completed	Completed
98-007 P39 NSU:HPD Dental College Space Utilization	Completed	Completed
98-007 P40 NSU:HPD Assembly Bldg #2 Expansion 110 S	Completed	Completed
98-007 P41 NSU:HPD Lab/Library Building Expansion	Completed	Completed
98-007 P42 HPD 3 FLR Dental Material/Bio Lab Exp	Completed	Completed
98-007 P44 NSU HPD College of Nursing 5th flr Terry	Completed	Completed
98-007 P47 HPD @ PR Pharmacy Classroom Expansion	Completed	Completed
98-007 P26 NSU: Relocation of AHEC Space 4th Floor	Completed	Completed
98-007 P27 NSU:Pharmacy Northcorp Center	Completed	Completed
98-007 P28 Osteopathic Space Reutilization	Completed	Completed
98-007 P36 NSU: Assembly Bldg #2 - Clinic Bldg	Completed	Completed
98-007 P17 NSU Dental: Pediatric Dept Expansion	Completed	Completed
98-007 P35 NBHD@NSU HPD Clinic Building - 3rd Floor	Completed	Completed
98-007 P43 NSU: FischlerTower 2nd & 5th Flr Master Plan	Completed	Completed
98-007 P46 Fischler Programing/Plan Student Service	Completed	Completed
98-007 P50 NSU University Park Plaza Campus	Completed	Completed
98-007 P48 NOVA UPP Call Center	Completed	Completed
98-007 P49 NSU: Speech/Mail/Imaging Center	Completed	Completed
98-007 P51 HPD Dental Faculty Practice 2nd Floor	Completed	Completed
98-007 P52 NSU Feasibility Study - SHSS Relocation	Completed	Completed
98-007 P53 NSU Roof Maintenance Program	Completed	Completed
98-007 P54 NMB Master Planning	Completed	Completed
98-007 P55 Human Services Bldng at NSU NMB Campus	Completed	Completed
98-007 P56 NSU New Speech Learning Ctr - 6100 Bldg	Completed	Completed
98-007 P57 NSU Audiology@Morse Site Ancillary Bldg	Completed	Completed
98-007 P58 Ziff Nursing Practicum Lab	Completed	Completed
98-007 P59 HPD Vascular Tech Lab @ Assembly #2	Completed	Completed
98-007 P60 Opa Locka HPD Clinic As Built	Completed	Completed
98-007 P61 NSU: Nursing Prgrm @ IC Naples Campus	Completed	Completed
98-007 P62 NSU East Campus Misc Services	Completed	Completed
98-007 P63 HPD: Dental Institiute Programming	Completed	Completed
98-007 P64 HPD: Pharmacy Gazebo @ Ponce Campus	Completed	Completed
98-007 P65 Pre-Design Services @ St Andrews	Completed	Completed
98-007 P66 NMB Reroof & Repair Pharmacy Building	Completed	Completed
98-007 P67 Hispanic Collection @ NSU Main Campus	Completed	Completed
98-007 P68 NSU Terry Bldg 2nd & 3rd Flr Misc Svcs	Completed	Completed
98-007 P69 HPD: Dental Bldg Misc Services	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 P70 HPD/BGMC Oral Surgery Program @ 2nd & 3rd Fllr	Completed	Completed
98-007 P72 NSU: NMB Fischler 5th Floor Master Plan	Completed	Completed
98-007 P73 Microscope Area Expansion @ CDM	Completed	Completed
98-007 P74 NSU:HPD Clinic Building QRS Enhancements	Completed	Completed
98-007 P75 NSU:HPD 30th Street Entrance Planning	Completed	Completed
98-007 P76 NSU:HPD Optometry Dispensary Remodeling	Completed	Completed
98-007 P77 NSU: Predesign Services Horvitz 1st Flr	Completed	Completed
98-007 P78 Mailman 2nd floor Auditorium Remodeling	Completed	Completed
98-007 P79 NSU: NMB Fischler 5th Floor Exec Offices	Completed	Completed
98-007 P80 HPD Center 1 Dental Clinic	Completed	Completed
98-007 P81 Roof Asset Management Program	Completed	Completed
98-007 P81.2 NOVA Roof Asset Mgmt Plan RAMP Inspections Round 9, 10, 11, 12, 13	Completed	Completed
98-007 P82 HPD: Anesthesiology Program @ UPP	Completed	Completed
98-007 P83-1 Planning Studies @ HPD Campus	Completed	Completed
98-007 P83-2 HPD: Planning Studies	Completed	Completed
98-007 P84 Planning Studies @ 2nd Floor	Completed	Completed
98-007 P85 HPD: PA Program @ Orlando Campus	Completed	Completed
98-007 P86 NSU: Buehler Research Center @ Main Lib	Completed	Completed
98-007 P87 Facilities Management Plan	Completed	Completed
98-007 P88 CCR Add Scope #1 FF&E & Off-Site Work	Completed	Completed
98-007 P89 Fischler 1st Flr Family Medicine Offices	Completed	Completed
98-007 P90 Care Resource HIV Dental Clinic	Completed	Completed
98-007 P91 Dental Vacuum Piping Replacement	Completed	Completed
98-007 P92 TOD Chamber of Commerce Exterior Upgrade	Completed	Completed
98-007 P93 NMB Education Bldg Add Alter Scope Docs	Completed	Completed
98-007 P94 PH2 Simulation Lab Expansion @2nd Floor	Completed	Completed
98-007 P95 Space Plng @ Registrar's Office 1st Fl	Completed	Completed
98-007 P96 Dental Clinic Expansion @ NMB Campus	Completed	Completed
98-007 P97 Center for Collaborative Research @ NSU	Completed	Completed
98-007 P98 Sacred Heart Dental Clinic	Completed	Completed
98-007 P99 Joe DiMaggio Pediatric Dental Clinic Exp	Completed	Completed
98-007 Q01 Palm Beach Student Education Center Bldg	Completed	Completed
98-007 Q02 HPD Drug Info Center Remodel	Completed	Completed
98-007 Q03 HPD Anatomy Lab Office	Completed	Completed
98-007 Q04 HPD CDM Administration Office Remodel	Completed	Completed
98-007 Q05 Critical Shortage Bldg & UD30 Planning	Completed	Completed
98-007 Q06 HPD Ziff Clinic Office Reno for Risk Mgt	Completed	Completed
98-007 Q07 HPD CDM Clinic Expansion	Completed	Completed
98-007 Q08 HPD PA Program @ Jacksonville Campus	Completed	Completed
98-007 Q09 Pharmacy Student Affairs Interior Reno	Completed	Completed
98-007 Q10 Anesthesiology Assistance Prgram @ Tampa	Completed	Completed
98-007 Q100 Clinical Info System Support @ Ziff	Completed	Completed
98-007 Q101 Optometry Lab Reno @ Lab Library 2nd Flr	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 Q102 CoP Reception Desk @ 3rd Floor Terry Bld	Completed	Completed
98-007 Q103 Optometry Clinic Reno @ Ziff 2nd Floor & Fabrication Clinic Lab #3222	Completed	Completed
98-007 Q105 HPD Parking Garage Expansion North Plng	Completed	Completed
98-007 Q106 CoP Labs ADA Updrages @ 3rd Flr Lab Lib	Completed	Completed
98-007 Q107 NMB Technology Building Assessment	Completed	Completed
98-007 Q108 Planning for Physical Therapy Lab #3206	Completed	Completed
98-007 Q108 Planning for Physical Therapy Lab #3206	Completed	Completed
98-007 Q109 Relocation of EMS Department	Completed	Completed
98-007 Q109 Relocation of EMS Department	Completed	Completed
98-007 Q11 Nursing Practicum Lab Expansion	Completed	Completed
98-007 Q110 Dermatology Reno @ Ziff Clinic 3rd Floor	Completed	Completed
98-007 Q111 HPD Student Lounge Remodel @ 2nd Flr LL	Completed	Completed
98-007 Q112 PT/OT Expansion @ DT University Center	Completed	Completed
98-007 Q113 CCR Program Validation & Alt Facade Dev	Completed	Completed
98-007 Q114 Audiology at Ziff Clinic 3rd Floor	Completed	Completed
98-007 Q115 Challenging Behavior Clinic @ UPP #3526	Completed	Completed
98-007 Q116 Lab 7380 Renovations @ 3rd Floor CDM	Completed	Completed
98-007 Q117 Chronic Fatigue Clinic & Lab UPP #3440	Completed	Completed
98-007 Q118 Vettel Hall 3rd Floor Renovations	Completed	Completed
98-007 Q119 Special Needs Cliinic @ NMB Fischler Bld	Completed	Completed
98-007 Q12 Terry Building Multi-Use Room	Completed	Completed
98-007 Q120 Terry Building 5th Floor Renovations	Completed	Completed
98-007 Q121 Space Planning @ Museum Plaza 10th Floor	Completed	Completed
98-007 Q124 Kitchen Conversion/Renovation @ Dorms	Completed	Completed
98-007 Q125 Air Handler Closet Remediation @ FFV Res	Completed	Completed
98-007 Q127 Farquhar Admin Reno @ 1st Flr MMH Bldg	Completed	Completed
98-007 Q128 Orlando Fitness Center	Completed	Completed
98-007 Q129 Flight Deck Concept Design @ DTUC	Completed	Completed
98-007 Q13 HPD PA Program @ Ft Myers Location	Completed	Completed
98-007 Q132 NSU UPP CHCS Classroom Expansion	Completed	Completed
98-007 Q133 Gallery Planning @2nd Floor ASL	Completed	Completed
98-007 Q134 Occup Therapy Lab Renov @ Lab Library	Completed	Completed
98-007 Q136 Horvitz Admin Building Master Planning	Completed	Completed
98-007 Q137 Respiratory Therapy Prog Plan @ WPB SEC	Completed	Completed
98-007 Q138 Morse Building Planning	Completed	Completed
98-007 Q139 NSU Nursing Skills Lab Office Renovation	Completed	Completed
98-007 Q14 Nursing Practicum Lab @ Ft Myers Locatn	Completed	Completed
98-007 Q140 Life Long Learning Expansion @ UPP North	Completed	Completed
98-007 Q141 Suite #4372 Ziff Clinic Building 3rd Flr	Completed	Completed
98-007 Q142 Pediatric Med Exp 1st Floor Ziff Clinic	Completed	Completed
98-007 Q144 LL 3rd Fl Anatomy Lab Mech Remediation	Completed	Completed
98-007 Q145 3rd Floor Lab Library #3300 Improvements	Completed	Completed
98-007 Q146 NSU CHCS Office Expansion @ 3rd Fl Ziff	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 Q149 Telepresence @ 4th Floor ASL	Completed	Completed
98-007 Q15 Grad Prosthadontic Conf Rm @ Ziff Clinic	Completed	Completed
98-007 Q150 Telepresence @ 2nd Floor Orlando SEC	Completed	Completed
98-007 Q151 CDM 1st Floor Patriot Initiative	Completed	Completed
98-007 Q152 Egress Plans – DC - USE 98-007 Q72	Completed	Completed
98-007 Q153 CDM Cabinet Resurfacing @ SIM Lab	Completed	Completed
98-007 Q154 NSU Counter Power Upgrade Assem&Assem 2	Completed	Completed
98-007 Q156 Repurposing 3rd Fl Ziff: BH & CHCS	Completed	Completed
98-007 Q157 NSU New Office for Dr Klimas @ UPP	Completed	Completed
98-007 Q158 NSU Neuro Immune Kendall	Completed	Completed
98-007 Q159 New Sonography at UPP Suite 3406	Completed	Completed
98-007 Q16 Renovations for Admin Offices @ Kendall	Completed	Completed
98-007 Q161 New HCS VP Suite at Assembly #2 2nd Flr	Completed	Completed
98-007 Q163 Tampa SEC Physical Therapy Remove 3rd FL	Completed	Completed
98-007 Q165 NSU – Interior Remodeling @ Terry Bldg	Completed	Completed
98-007 Q166 NMB Fischler School Accessible Entry	Completed	Completed
98-007 Q168 Drug Information Center @ HPD & PBG	Completed	Completed
98-007 Q17 NMB Coordinate Renovations @ Fischler	Completed	Completed
98-007 Q173 NSU Desantis 4th FL Structural Analysis	Completed	Completed
98-007 Q174 NSU SuperComputer @Alvin Sherman Library	Completed	Completed
98-007 Q175 NSU Horvitz Admin Building	Completed	Completed
98-007 Q176 NSU New Sonography Suite @ Ziff Clinic	Completed	Completed
98-007 Q177 NSU AA Program @ UPP	Completed	Completed
98-007 Q178 NSU Nursing Program Expansion @ Terry BD	Completed	Completed
98-007 Q179 NSU College of Optometry @ Ziff Building	Completed	Completed
98-007 Q18 HPD CDM Student Patio	Completed	Completed
98-007 Q180 Fume Hood @ Lab Library 3rd Floor	Completed	Completed
98-007 Q181 Interlock Corridor @ Lab Library 3rd Flo	Completed	Completed
98-007 Q182 NSU Safe Room Re-configuration	Completed	Completed
98-007 Q183 Radioisotope Fume Hood Dedicated Exhaust	Completed	Completed
98-007 Q184 Re-Purpose of Suite 1582	Completed	Completed
98-007 Q185 NSU CHCS Expansion @ Assembly Bldg Room	Completed	Completed
98-007 Q186 FM Update report	Completed	Completed
98-007 Q187 HPD Lab Library Office Remodeling	Completed	Completed
98-007 Q189 HPD MASTER PLAN UPDATE	Completed	Completed
98-007 Q19 Lobby Remodel@ Fischler 5th Floor	Completed	Completed
98-007 Q190 ASL - BAXT ART DISPLAY	Completed	Completed
98-007 Q191 NSU CDM 2nd Floor Sim Lab Upgrade CD's	Completed	Completed
98-007 Q194 Card Services Renovation @ UC	Completed	Completed
98-007 Q195 Renovation of OSS Millwork Renovation	Completed	Completed
98-007 Q196 HPD COM PRE PROGRAMMING @ NOCATEE	Completed	Completed
98-007 Q197 Drug Information Center	Completed	Completed
98-007 Q199 ZIFF OBGYN RECEPTION RENOVATION	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 Q20 Anesthesiology Program Expansion @UPP	Completed	Completed
98-007 Q200 NSU HPD Lab Library New Offices - 3rd Fl	Completed	Completed
98-007 Q201 New Offices @College of Medical Sciences	Completed	Completed
98-007 Q202 HPD Library Occupant Load Increase	Completed	Completed
98-007 Q204 College of Medicine Dean Interim Suite	Completed	Completed
98-007 Q206 NSU ASL Holocaust Remembrance Space	Completed	Completed
98-007 Q207 NSU RELOCATION OF HPD PROGRAMS	Completed	Completed
98-007 Q208 NSU Folding Partition Evaluation @ PR	Completed	Completed
98-007 Q21 Patient Care Coordinator Space Planning	Completed	Completed
98-007 Q211 NSU AHEC Office Renovation	Completed	Completed
98-007 Q212 NSU MTM PROGRAM CALL CENTER	Completed	Completed
98-007 Q213 NSU Internal Medicine-HIPPA Requirements	Completed	Completed
98-007 Q214 NSU Pediatrics - HPPA Requirements	Completed	Completed
98-007 Q216 Offices for Senator Nelson @ CCR 2nd FL	Completed	Completed
98-007 Q218 NSU Endodontics Suite	Completed	Completed
98-007 Q219 NSU College of Allopathic Medicine	Completed	Completed
98-007 Q22 Oceanography Modular Bldg Remodeling	Completed	Completed
98-007 Q220 NSU Clearwater Campus	Completed	Completed
98-007 Q221 NSU HPD Library Renovation	Completed	Completed
98-007 Q222 NSU HPD MODULAR BUILDING	Completed	Completed
98-007 Q223 NSU CCR Bldg Cores - 3rd & 5th Floors	Completed	Completed
98-007 Q224 Miramar OIT Relocation	Completed	Completed
98-007 Q224_ NSU Miramr OIT Relocation	Active	Construction
98-007 Q225 North Miami Beach-Existing Buidings	Completed	Completed
98-007 Q227 NSU New Exam Room @ Ziff Clinic	Completed	Completed
98-007 Q228 NSU HPD Ziff Clinic - TBL	Completed	Completed
98-007 Q229 Alvin Sherman Library Renovation	Completed	Completed
98-007 Q23 HPD Family Medicine Renovations	Completed	Completed
98-007 Q230 NSU Anatomy Lab - HVAC	Completed	Completed
98-007 Q231 NSU HPD AREAS FOR ACCREDITATION	Completed	Completed
98-007 Q232 Alvin Sherman Library Master Plannin	Completed	Completed
98-007 Q233 NSU Freezer Storage @ CEP 2nd Floor	Completed	Completed
98-007 Q234 NSU Horvitz Executive Restroom	Completed	Completed
98-007 Q235 NSU HPD Leisure Space Expansion	Completed	Completed
98-007 Q236 NSU HVAC Design -IT Rooms @ Assembly 2	Completed	Completed
98-007 Q237 STEM Research @ CCR 2nd Floor	Completed	Completed
98-007 Q238 NSU Speech Clinic Reception - HIPPA	Completed	Completed
98-007 Q239 NSU Golf Academy Expansion @ Grande Oaks	Completed	Completed
98-007 Q24 Lib Schematic Planning & Furnishings	Completed	Completed
98-007 Q240 NSU Nursing Miramar	Completed	Completed
98-007 Q241 Lab Exhaust in Room 440A @ Puerto Rico	Completed	Completed
98-007 Q245 NSU HPD Expansion - Clinical	Completed	Completed
98-007 Q246 NSU ASL 5th Floor Restroom Build Out	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 Q248 NSU - INNOVATION SPACE @ ASL 5TH FLOOR	Completed	Completed
98-007 Q25 Kendall Nursing Simulation Lab	Completed	Completed
98-007 Q251 Lab Renovation - New sink @ Room 247-CCR	Completed	Completed
98-007 Q252 New Lighting / Power/ AV at Labs	Completed	Completed
98-007 Q254 New Classroom & Lab for NSU Nursing	Active	Construction
98-007 Q26 6th Floor Vivarium Interior Buildout	Completed	Completed
98-007 Q27 Fischler Complex Interior Space Plan Upd	Completed	Completed
98-007 Q28 HPD Alter Clinic Business Operations	Completed	Completed
98-007 Q29 NSU New Optometry Clinic @ 3rd & 7th	Completed	Completed
98-007 Q30 CCR Building Shift & Garage Addition	Completed	Completed
98-007 Q31 HPD Internal Medicine Renovations	Completed	Completed
98-007 Q32 Jacksonville 2nd Floor Renovations	Completed	Completed
98-007 Q33 Kendall Student Services Renovations	Completed	Completed
98-007 Q34 Orlando 3rd Floor Renovations	Completed	Completed
98-007 Q35 Tampa Queen Palm Bldg Renovations	Completed	Completed
98-007 Q36 CCR Exterior Elevation Studies	Completed	Completed
98-007 Q37 HPD Library Entry Lobby Studies	Completed	Completed
98-007 Q38 Human Services Renovation @ Fischler	Completed	Completed
98-007 Q39 6th Floor Roof Height Revision	Completed	Completed
98-007 Q40 CCR Shell & Interior Modifications	Completed	Completed
98-007 Q41 Feasibility Studies for New HPD Building	Completed	Completed
98-007 Q42 PA Program Simulation Rooms @ Jax 3rd Fl	Completed	Completed
98-007 Q43 Modifications to CDM 1st Floor QRS	Completed	Completed
98-007 Q44 Planning for Modular Ped Clinic @ CDM	Completed	Completed
98-007 Q45 LEED Consulting Services for CCR Bldg	Completed	Completed
98-007 Q46 Expansion of HPD Cafe @ 1st Flr Terry	Completed	Completed
98-007 Q47 CM Services Addl Lockers @CDM 3rd Floor	Completed	Completed
98-007 Q48 Renovations of CDM 3rd Floor Labs	Completed	Completed
98-007 Q49 NMB Fischler Bldg 40Yr Recertification	Completed	Completed
98-007 Q50 Ziff Clinic Fire Sprinkler Modifications	Completed	Completed
98-007 Q51 Kendall Campus Fire Inspect Remediation	Completed	Completed
98-007 Q52 Eye Care Institute at Broward Boulevard	Completed	Completed
98-007 Q53 Renovation of Trauma Brain Injury Clinic	Completed	Completed
98-007 Q54 Ped Dental Clinic for Kids in Distress	Completed	Completed
98-007 Q55 Terry Building Granite Cladding Repairs	Completed	Completed
98-007 Q56 Alter Fac Practice for Patient Privacy	Completed	Completed
98-007 Q57 Oakland Park Dental Clinic Exp Feas.	Completed	Completed
98-007 Q58 Renovate Allied Hlth West Side Reception	Completed	Completed
98-007 Q59 Student Education Center Fitness Centers	Completed	Completed
98-007 Q60 Terry Bldg 5th Floor AHEC Improvements	Completed	Completed
98-007 Q61 Terry Bldg 3rd Fl Pharmacy Improvements	Completed	Completed
98-007 Q62 Improve LL Bldg. 3rd Flr Laboratories	Completed	Completed
98-007 Q63 CDM NMB Clinic Expansion	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007 Q64 NSU Nursing Skills Lab	Completed	Completed
98-007 Q65 Nursing Program Expansion at Kendall	Completed	Completed
98-007 Q66 Physical Therapy Program at Tampa	Completed	Completed
98-007 Q67 AA Program Feasibility @ Atlanta	Completed	Completed
98-007 Q68 Las Vegas Campus	Completed	Completed
98-007 Q69 HPD One Stop Shop Renovations	Completed	Completed
98-007 Q70 CDM 2nd Floor Pediatrics	Completed	Completed
98-007 Q71 Buehler Research Center @ CCR	Completed	Completed
98-007 Q73 NSU Fort Myers SEC Fitness Center	Completed	Completed
98-007 Q74 NSU Univ. Park Plaza Master Planning	Completed	Completed
98-007 Q75 NMB Technology Building Improvements	Completed	Completed
98-007 Q76 CS/Infill Bldg Optometry Planning/Prgmng	Completed	Completed
98-007 Q77 CDM 2nd Floor Waiting Area	Completed	Completed
98-007 Q78 NSU HPD Library Planning	Completed	Completed
98-007 Q79 NOVA Hearing & Balance Clinic	Completed	Completed
98-007 Q81 3rd Fl Tenant Improve @ Kendall Prof Art	Completed	Completed
98-007 Q82 NOVA - Puerto Rico	Completed	Completed
98-007 Q83 Special Needs Dental Clinic @ Oakland Pk	Completed	Completed
98-007 Q84 CDM Faculty Practice Operatories	Completed	Completed
98-007 Q85 CAD/CAM Facilities Expansion	Completed	Completed
98-007 Q86 Pediatric Dental Chairs @ Family Center	Completed	Completed
98-007 Q87 Main Library Exhibit Partitions	Completed	Completed
98-007 Q88 CDM Vacuum/Compressor System Replacement	Completed	Completed
98-007 Q89 Cancer Research Lab @ Lab Library 3rd Fl	Completed	Completed
98-007 Q90 CDM ADV Pogram Restorative Dent @ Ziff	Completed	Completed
98-007 Q91 Interior Updates @ 4th Floor Terry Bldg	Completed	Completed
98-007 Q93 Lab Library 1st Floor Sim Lab Connector	Completed	Completed
98-007 Q94 Jacksonville SEC Recreation Center	Completed	Completed
98-007 Q95 NMB Campus Area Consolidation Plan	Completed	Completed
98-007 Q96 Space Plan Studies for new SEC @ PR	Completed	Completed
98-007 Q97 Internal Med & Derm Planning @ Ziff Clnc	Completed	Completed
98-007 Q98 Medical Simulation Lab @ Ziff Clinic	Completed	Completed
98-007 Q99 Cellular Molecular Biology Lab @ CDM	Completed	Completed
98-007 X06 Assembly Bldg #2: Threshold Inspections	Completed	Completed
98-007 X07 Assembly Bldg 2-AV Interface & Misc	Completed	Completed
98-007 X08 NSU:NMB Dental Clinic	Completed	Completed
98-007P97 24 AS#24 FHE ROOF CURB RE-DESIGN	Completed	Completed
98-007P97-10 AS#10-6th Floor-NSU CCR Building	Completed	Completed
98-007P97-11 AS#11-4th Floor Revisions NSU CCR	Completed	Completed
98-007P97-12 AS#12-2nd Floor Revision-NSU CCR	Completed	Completed
98-007P97-13 AS#13-1st Floor Revision-NSU CCR	Completed	Completed
98-007P97-14 AS#14-NSU CCR Metering Add Service	Completed	Completed
98-007P97-15 AS #15 CCR 2nd Floor Build Out Corridor	Completed	Completed

Section E: Evaluation Criteria

Workload of the Firm - 5-Years Completed and Active Projects

Project Name	Status	Phase
98-007P97-16 AS #16 CCR Shell Revisions at 1st floor	Completed	Completed
98-007P97-18 AS#18-CCR Additional Service request	Completed	Completed
98-007P97-19 AS#19-CCR Additional Services Request	Completed	Completed
98-007P97-20 AS#20 4th FL Collaboration & Fin Rev	Completed	Completed
98-007P97-21 AS#21-CCR Additional Service Request	Completed	Completed
98-007P97-22 AS#22 CCR Main Lobby Interior Revisions	Completed	Completed
98-007P97-23 AS#23 WATER METER @ CCR BUILDING	Completed	Completed
98-007P97-25 AS #25 Energy Model and Documentation	Completed	Completed
98-007P97-27 AS#27 CA Duration Extended	Completed	Completed
98-007P97-28 AS#28 Fire Protection Design Services	Completed	Completed
98-007P97-30 AS #30 CCR Chilled Water Line Extension	Completed	Completed
98-007P97-32 AS#32 SECURITY ADDITIONAL CA	Completed	Completed
98-007P97-34 AS #34 - CCR Add Services- CTI Build Out	Completed	Completed
98-007P97-35 AS #35 CCR ADDITIONAL SERVICES	Completed	Completed
98-007P97-36 AS #36 Sidewalk Extension	Completed	Completed
98-007P97-37 Egress Plans - NSU CCR	Completed	Completed
98-007P97-39 AS #39 Vigilant Interior Build Out	Completed	Completed
98-007P97-40 AS #40 - Abancale Interior Build Out	Completed	Completed
98-007P97-41 CCR Additional CA	Completed	Completed
98-007P97-43 NSU CCR-6th FLOOR GLASSWASH RELOCATION	Completed	Completed
98-007Q101-1 HPD Optometry Lab 3229 Renovation	Completed	Completed
98-007Q104-1 Optometry Fabrication Clinic Renovation	Completed	Completed
98007Q144-07 ANATOMY LAB OSHA COMPLIANCE ASSISTANCE	Completed	Completed
98-007Q14410 NSU LAB LIBRARY AIR BALANCE STUDY	Completed	Completed
98-007Q14413 LAB LIBRARY EYE WASH DRAIN CONNECTION	Completed	Completed
98-007Q144-5 LL 3rd Flr Anatomy Lab Add. Services #5	Completed	Completed
98-007Q144-7 ANATOMY LAB OSHA COMPLIANCE ASSISTANCE	Completed	Completed
98-007Q144-8 NSU ANATOMY LABS NEW CASEWORK	Completed	Completed
98-007Q144-9 NSU LAB LIBRARY CHEMICAL CLASSIFICATION	Completed	Completed
98-007Q215-1 Gateway Institute for Brain Research	Completed	Completed
98-007Q215-2 Exit Access for Gateway Brain Institute	Completed	Completed
98-007Q219-1 NSU HPD Expansion	Completed	Completed
98-007Q220-2 NSU Clearwater Campus	Completed	Completed
98-007Q229-1 NSU ASL 2nd & 4th Floors Renovation	Completed	Completed
98-007Q233-1 NSU-Freezer Storage @ CEP	Completed	Completed
98-007Q240-1 NSU Nursing Miramar CD's & CA.	Completed	Completed
98-007Q248-1 NSU BROWARD INNOVATION SPACE@ ASL 5th FL	Active	Construction



Workload of the Firm

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Workload of the Firm

List all projected projects that Vendor will be working on in the near future.
At this time, we do not have any projects pending NTP.

> *Project managers are the most creative pros in the world; we have to figure out everything that could go wrong, before it does.*
>
> *– Fredrick Haren*

Projects worked on Concurrently and ACAI's Approach to them

In this section **we listed our completed and current projects within the last five years; we service these projects concurrently.** When we make a commitment to our clients to we know that we need to have a very streamlined, efficient delivery method. To successfully execute this, we use a two-fold approach. First, project continuity – we endeavor to keep the same people on projects from Design through Construction as they have the greatest project knowledge. Part of our success in this approach is maintaining a happy and committed staff with very low personnel turn-over. Most of our staff have been with ACAI for over five years, with many at the ten and fifteen-year marks. Second, we sequence the production of projects over several Production Teams so that each team has only a few projects at a time and each of those projects is staggered sufficiently to allow for subsequent deadlines and time in between for Owner reviews and Building Department comments. As the projects move into Construction Administration at least one person from the Construction Documents Team moves with the project to maintain continuity.

We have a triple layer management team to support the various Production Teams. One manager sits in on almost all of the client and team meetings. That manager then shares information across the different teams. So, for example, if we learn that the Building Department has made a certain interpretation, we immediately share it across all of our projects. The second layer of management includes weekly in-house Team meetings where the head of each Team meets with the overall Project Manager, who is also a registered architect. Projects are discussed globally, issues shared, and any problems discussed. The first manager also sits in on this weekly meeting, again for information sharing and continuity. Finally, there is a Senior Principal, R.A. who is the final resource in the case of any complex code interpretations or other such issues. All of the above means that we have staff in teams that feel strongly supported. We also emphasize to all staff that there are "no bad questions" and encourage openness in discussing what people do and do not know. Through this approach, overall staff knowledge is increased, information shared, and issues avoided.



FLL Rental Car Center

As a firm, we have continued working remotely since March of 2020. Through our enhanced use of collaboration software, we are able to run multiple projects in real time with multiple users working on a file simultaneously. This technology is also utilized by most of our engineers. And we use Revit on all of our projects to maximize our ability to perform computer modeling.

We use Virtual Design and Construction (VDC) technology to capture reality and deliver our visions in highly communicative 3-D. This promotes the project experience firsthand and affords user groups the ability of reviewing the Work and seeing it develop. Our team of architects, engineers, BIM, CPTED, and LEED accredited professionals is intimately familiar with the design, engineering, operational, safety and sustainability considerations of aviation projects. We anticipate utilizing a multi-

Section E: Evaluation Criteria

Workload of the Firm

pronged approach to facilitate addressing multiple tasks simultaneously. We evaluate existing documentation and enhance the site documentation via reality capture and a point-cloud scan and begin the design process in scan2BIM format.

We have weekly Monday morning staff meetings on Teams to maintain our sense of unity and to share, as an entire office, any issues with respect to workload, assistance, etc. This short, but effective meeting further enhances our culture of inclusion, mutual support, sense of belonging, and pride of ownership in our projects which translates into quality documents.

When developing our responses to RFP's, we carefully select our consultants. We align ourselves with consultants with whom we have successfully worked previously, but also try to distribute the workload such that none of the smaller firms are overburdened with work. We try to achieve that perfect balance between working with the same engineers frequently and not overloading any one firm.

Were there or will there be any challenges for any of the listed projects? If so, describe how the Vendor dealt or will deal with the projects' challenges.

Unforeseen Conditions

There is always a possibility of unforeseen condition(s). Whether small or large, at ACAI we work expeditiously to develop a resolution. We recognize that the project must move forward so we take remedial action while analyzing how the conflict will affect the project schedule, budget, and desired outcome. This involves communication with all parties involved and everyone working constructively to find solutions.

An Unforeseen Condition and ACAI's Resolution: A major cause of unforeseen conditions during the construction phase is the discovery of concealed utilities in the structure or underground areas of the project. Our initial design approach is to do a thorough on-site investigation using record drawings to anticipate concealed utilities to be discussed with consulting engineering team so the initial design solution accommodates significant utility and structural obstacles that may be anticipated in the project. Where possible, we use a digital camera scanning system to document exposed utilities and structures, which become part of our **BIM model backgrounds.**

Regardless of these efforts, projects may have unforeseen conditions. We take a robust approach by using the steps below to find a timely solution that is acceptable to the stakeholders and achieves the best outcome possible to meet the project program goals, budget, and schedule.

1. Acknowledging the conditions – We respond promptly to investigate unforeseen conditions with a field visit and project meeting with the design and construction team to define the true impact of the condition. This first step is critical so that time and effort are not spent on potential responses that do not address the impact on the project goals for functional use, schedule, and budget.

2. Analyze two or three options to address the condition to determine which approach has the least impact on the project outcome. We engage everyone in this process. An inexpensive "fix" may be costly in time, whereas a slightly more expensive "fix" may pay for itself by preserving the schedule. ACAI seeks the Contractor's participation in this evaluation.

3. Depending on the size of the issue, evaluate staffing both internally and with subconsultants to confirm that current project staff resources can both address the unforeseen issue **and maintain other required project tasks.** Early evaluation of this will help keep the project schedule from derailing due to committed resources being moved from the base project task to the unforeseen condition task. If necessary, add more staff with appropriate skills to address the issue.

4. If subconsultants do not have sufficient resources, supplement with ACAI resources (particularly staff), when appropriate.

5. Keep Stakeholders informed of the options and recommend one solution for consensus.

6. Quickly work with the owner and contractor to prepare a solution to address the program and design impact based on the option selected.

7. Establish a response schedule, similar to a corrective schedule, and have it agreed by all parties, ACAI, our subconsultants, Owner, and Contractor (depending on phase). Everyone needs to know what deliverables are needed and when to minimize schedule and budget impacts. This prevents unforeseen conditions from becoming open-ended "tickets", which they can become if not properly managed.

Section E: Evaluation Criteria

Workload of the Firm

Examples

Issue:
FLL Terminal 4 FIS Expansion project (in an operating airport) - While working on an adjacent project a Contractor ran some major underground utilities through our $40M job site after our drawings were completed, but before the Project broke ground. The pipes were placed inappropriately, so nobody knew they were there until we started excavating. This occurred fairly early in the construction, so it was at a time when all disciplines were already being flooded with submittals, RFI's, etc.

Resolution:
We increased staff on the project to respond to the additional need and we established weekly in-person meetings with our subconsultants for the express purpose of assisting with pushing through their RFI and submittal responses in the face of this significant change.

Issue:
Broward Ravenswood Bus Maintenance project - During the installation of new underground utilities, the Contractor uncovered an area of soil that was contaminated with a petroleum substance. The County had already completed the removal of contaminated soils on other areas of the site 1-2 years earlier and had been monitoring these previously abated locations.

Resolution:
During the design phase we recommended an Emergency Response specification be included as part of the Construction Documents. As a result of having an emergency response team in place, a clean-up team was able to be mobilized within hours of discovering the contamination and the affected soils removed. After testing the adjacent soils for signs of further contamination, construction was able to commence within days of the initial discovery without affecting the project schedule.



FLL T4 Federal Inspection Services


Broward Ravenswood Bus Maintenance Facility



Location

Section E: Evaluation Criteria

Location

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),
   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

Section E: Evaluation Criteria

Location

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**:

2937 West Cypress Creek Road
Suite 200, Fort Lauderdale, FL
33309

Section E: Evaluation Criteria

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

Section E: Evaluation Criteria

Location

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:

Section E: Evaluation Criteria

Location

2937 West Cypress Creek Road
Suite 200
Fort Lauderdale, FL 33309

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: Adolfo J. Cotilla, Jr.

TITLE: President

VENDOR NAME: ACAI Associates, Inc.

DATE: 3/25/2021

Please enter your password below and click Save to update your response.
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See Electronic Signatures in Global and National Commerce Act for more information.)

To take exception:
1) Click Take Exception.
2) Create a Word document detailing your exceptions.
3) Upload exceptions as an attachment to your offer on BidSync's system.
By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **jshields@aecmworld.com**
Password *

Save | Take Exception | Close

* Required fields

Location

CITY OF FORT LAUDERDALE BUSINESS TAX YEAR 2020-2021

Business Tax Division
100 N ANDREWS AVE | FORT LAUDERDALE, FL 33301 | (954) 828 - 5195

Business ID: BL-9051745 **Business Name:** COTILLA,ADOLFO J JR CGC010769

Business Address: 2937 NW 62 ST # 200

ADOLFO COTILLA JR
ACAI ASSOCIATES INC
2937 NW 62 ST # 200
FORT LAUDERDALE FL 33309

TAX CATEGORIES

401400 ARCHITECT
406310 GENERAL CONTRACTOR

Contact: ADOLFO COTILLA J
Business Email: Roranday@Aecmworld.Com

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have closed or moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.
- A transfer of business location within city limits is subject to zoning approval. Complete a Business Tax Transfer Application online to obtain the necessary approval. A transfer fee of 10% of the Business Tax fee applies, not less than $3.00, no more than $25.00.
- If you have sold your business, please email a copy of the Bill of Sale to businesstax@fortlauderdale.gov and include the Business ID #. A transfer of ownership will incur a transfer fee of 10% of the Business Tax fee, not less than $3.00, no more than $25.00.

Please be advised that this issuance of a Business Tax Receipt establishes that the business you intend to conduct is a use permitted by the City Zoning Code for the location at which you intend to operate. The issuance of a Business Tax Receipt in no way certifies that the property located at this address is in compliance with other provisions of the City Code of Ordinances.

100 N ANDREWS AVE, 1st FLOOR
FORT LAUDERDALE, FL 33301
TEL 954 828 5195
WWW.FORTLAUDERDALE.GOV

Section E: Evaluation Criteria

Location

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: COTILLA ADOLFO JR

Receipt #: 316-389
Business Type: ARCHITECT (ARCHITECT CORP)

Owner Name: ACAI ASSOCIATES INC
Business Location: 2937 CYPRESS CREEK RD 200
FT LAUDERDALE
Business Phone: 954-484-4000

Business Opened: 03/01/1987
State/County/Cert/Reg: AR0008011
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		8		

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
37.50	0.00	0.00	0.00	0.00	0.00	37.50

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

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

Mailing Address:

ACAI ASSOCIATES INC
2937 CYPRESS CREEK RD #200
FORT LAUDERDALE, FL 33309

Receipt #WWW-19-00211367
Paid 09/14/2020 37.50

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
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State/County/Cert/Reg: AR0008011
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		8		

Signature

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
37.50	0.00	0.00	0.00	0.00	0.00	37.50

Receipt #WWW-19-00211367
Paid 09/14/2020 37.50

Section E: Evaluation Criteria

Location

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ACAI ASSOCIATES INC

Receipt #: 180-7580
Business Type: GENERAL CONTRACTOR (GENERAL CONTRACTOR)

Owner Name: ADOLFO J COTILLA JR
Business Location: 2937 W CYPRESS CREEK 200 FT LAUDERDALE
Business Phone:

Business Opened: 04/17/2007
State/County/Cert/Reg: CGC010769
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		6		

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
27.00	0.00	0.00	0.00	0.00	0.00	27.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

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

Mailing Address:

ADOLFO J COTILLA JR
2937 W CYPRESS CREEK RD #200
FORT LAUDERDALE, FL 33309

Receipt #WWW-19-00211367
Paid 09/14/2020 27.00

2020 - 2021

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021

DBA:
Business Name: ACAI ASSOCIATES INC

Receipt #: 180-7580
Business Type: GENERAL CONTRACTOR (GENERAL CONTRACTOR)

Owner Name: ADOLFO J COTILLA JR
Business Location: 2937 W CYPRESS CREEK 200 FT LAUDERDALE
Business Phone:

Business Opened: 04/17/2007
State/County/Cert/Reg: CGC010769
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		6		

Signature

For Vending Business Only — Number of Machines: — Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
27.00	0.00	0.00	0.00	0.00	0.00	27.00

Receipt #WWW-19-00211367
Paid 09/14/2020 27.00



Willingness to Meet Time and Budget Requirements

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Willingness to Meet Time and Budget Requirements

This solicitation is for the award of a continuing contract. The specific projects requiring professional services under the agreement have not yet been identified. However, in general, explain your firm's approach in meeting "project specific" time and budget requirements and indicate whether Vendor is committed to meet these requirements when identified under this agreement.

Completion Date Requirement: Three-year initial term with two (2) one-year renewals
Project Budget: 1 million per year per consultant

The ACAI team understands that developing and maintaining schedules and budgetary requirements is of paramount importance for the success of a project.

ACAI prepares a detailed design schedule so that all team members and Clients are fully apprised of progress and decision requirements. All design decisions, regulatory agency reviews, approvals and document preparation milestones are scheduled so that design and construction activities can proceed uninterrupted in a logical sequence. The schedule for each project is regularly updated to stay current with project objectives. Commitment to the schedule is required from all parties at the outset of the project to ensure full team engagement.

ACAI key members have consistently demonstrated their ability to successfully manage the delivery of projects on time and within budget. We require our subconsultants to perform at the same level of diligence and care in the performance of services that we expect of ourselves. With each project submittal, our Project Manager will make sure that all production-related checks have been completed and that the document is ready for an independent Quality Control Review.

We are willing to use these abilities to meet the County's time and budget requirements for this contract. We understand the design standards, building and governmental codes and requirements, practices and protocols required to deliver the task that might generate from this contract.

ACAI will accept and agree to the County's time and budgetary requirements for this contract. If at some point during a project(s) schedule we believe that some aspects become unworkable, we shall state so and submit information to support our claim(s).





Volume of Previous Work

ACAI
architecture • engineering
acaiarchitects.com

Volume of Previous Work

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.	Broward County Main Jail Window	Q1235706P1	Construction Management	11-3-2015	$239,278.51	38,362.53
2.	Roofing and Waterproofing	R1185101PA	Facilities Management	6-23-2015	215,060.49	N/A
3.	PORT EVERGLADES EMERGENCY	R2113758P1 & 2	Construction Management	2/6/2018	165,291.15	130,000
4.	OnCall BIM-VDC-LaserScan Svcs	R134501P1_2	Construction Management	2/14/2017	3,175	N/A
5.	BCAD T4 FIS	R1208106P1	AVIATION - AIRPORT Expansion	11/12/2014	7,239,293.1	1,646,464.3
6.						
7.						
				Grand Total	$7,862,098.2	$1,814,826.8

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: ACAI Associates, Inc.

Adolfo J. Cotilla, Jr., AIA	President	3/26/2021
Authorized Signature/Name	**Title**	**Date**

VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM

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

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

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

Section E: Evaluation Criteria

Volume of Previous Work

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: ACAI Associates, Inc.

Adolfo J. Cotilla	President	3/26/21
Authorized Signature/Name	**Title**	**Date**

Please enter your password below and click Save to update your response.
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See Electronic Signatures in Global and National Commerce Act for more information.)

To take exception:
1) Click Take Exception.
2) Create a Word document detailing your exceptions.
3) Upload exceptions as an attachment to your offer on BidSync's system.
By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **jshields@aecmworld.com**
Password *

Save | Take Exception | Close

* Required fields



Domestic Partnership Act Certification

ACAI
architecture • engineering
acaiarchitects.com

Section E: Evaluation Criteria

Tiebreaker Criteria - Domestic Partnership Act Certification

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).

Adolfo J. Cotilla, Jr.	President	ACAI Associates, Inc.	3/26/2021
Authorized Signature/Name	**Title**	**Vendor Name**	**Date**



2937 W. Cypress Creek Rd. #200
Fort Lauderdale, FL 33309
(954) 484 4000
Adolfo J. Cotilla, Jr., AIA, CGC
adolfo@aecmworld.com

ACAI
acaiarchitects.com

Supplier: **ACAI 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 the County.

c. If a Vendor has been in business for less than the number of years of required financial statements, then the Vendor must disclose all years that the Vendor has been in business, including any partial year-to-date financial statements.

d. The County may consider the unavailability of the most recent year's financial statements and whether the Vendor acted in good faith in disclosing the financial documents in its evaluation.

e. Any claim of confidentiality on financial statements should be asserted at the time of submittal. Refer to **Standard Instructions to Vendors**, Confidential Material/ Public Records and Exemptions for instructions on submitting confidential financial statements. The Vendor's failure to provide the information as instructed may lead to the information becoming public.

f. Although the review of a Vendor's financial information is an issue of responsibility, the failure to either provide the financial documentation or correctly assert a confidentiality claim pursuant the Florida Public Records Law and the solicitation requirements (Confidential Material/ Public Records and Exemptions section) may result in a recommendation of non-responsiveness by the Director of Purchasing.

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

a. A Vendor must have the authority to transact business in the State of Florida and be in good standing with the Florida Secretary of State. For further information, contact the Florida Department of State, Division of Corporations.

b. The County will review the Vendor's business status based on the information provided in response to this solicitation.

c. It is the Vendor's responsibility to comply with all state and local business requirements.

d. Vendor should list its active Florida Department of State Division of Corporations Document Number (or Registration No. for fictitious names) in the Vendor Questionnaire, Question No. 10.

e. If a Vendor is an out-of-state or foreign corporation or partnership, the Vendor must obtain the authority to transact business in the State of Florida or show evidence of application for the authority to transact business in the State of Florida, upon request of the County.

f. A Vendor that is not in good standing with the Florida Secretary of State at the time of a submission to this solicitation may be deemed non-responsible.

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

4. Affiliated Entities of the Principal(s)

a. All Vendors are required to disclose the names and addresses of "affiliated entities" of the Vendor's principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County. The Vendor is required to provide all information required on the Affiliated Entities of the Principal(s) Certification Form.

b. The County will review all affiliated entities of the Vendor's principal(s) for contract performance evaluations and the compliance history with the County's Small Business Program, including CBE, DBE and SBE goal attainment requirements. "Affiliated entities" of the principal(s) are those entities related to the Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.

c. The County will consider the contract performance evaluations and the compliance history of the affiliated entities of the Vendor's principals in its review and determination of responsibility.

5. Insurance Requirements

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

C. Additional Information and Certifications

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

1. Vendor Questionnaire

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

2. Standard Certifications

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

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

3. Subcontractors/Subconsultants/Suppliers Requirement

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

D. Standard Agreement Language Requirements

1. The acceptance of or any exceptions taken to the terms and conditions of the County's Agreement shall be considered a part of a Vendor's submittal and will be considered by the Selection or Evaluation Committee.

2. The applicable Agreement terms and conditions for this solicitation are indicated in the Special Instructions to Vendors.

3. Vendors are required to review the applicable terms and conditions and submit the Agreement Exception Form. If the Agreement Exception Form is not provided with the submittal, it shall be deemed an affirmation by the Vendor that it accepts the Agreement terms and conditions as disclosed in the solicitation.

4. If exceptions are taken, the Vendor must specifically identify each term and condition with which it is taking an exception. Any exception not specifically listed is deemed waived. Simply identifying a section or article number is not sufficient to state an exception. Provide either a redlined version of the specific change(s) or specific proposed alternative language. Additionally, a brief justification specifically addressing each provision to which an exception is taken should be provided.

5. Submission of any exceptions to the Agreement does not denote acceptance by the County. Furthermore, taking exceptions to the County's terms and conditions may be viewed unfavorably by the Selection or Evaluation Committee and ultimately may impact the overall evaluation of a Vendor's submittal.

E. Evaluation Criteria

1. The Selection or Evaluation Committee will evaluate Vendors as per the **Evaluation Criteria.** The County reserves the right to obtain additional information from a Vendor.

2. Vendor has a continuing obligation to inform the County in writing of any material changes to the information it has previously submitted. The County reserves the right to request additional information from Vendor at any time.

3. For Request for Proposals, the following shall apply:

   a. The Director of Purchasing may recommend to the Evaluation Committee to short list the most qualified firms prior to the Final Evaluation.

   b. The Evaluation Criteria identifies points available; a total of 100 points is available.

   c. If the Evaluation Criteria includes a request for pricing, the total points awarded for price is determined by applying the following formula:

      (Lowest Proposed Price/Vendor's Price) x (Maximum Number of Points for Price)
      = 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.

Estimated Contract Amount	Filing Fee
$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: **ACAI 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: **ACAI 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 withthe 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'sevaluation.

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: **ACAI Associates, Inc.**
2. Doing Business As/Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN): **65-0020223**
4. Dun and Bradstreet No.: **16-118-8289**
5. Website address (if applicable): **www.acaiarchitects.com**
6. Principal place of business address: **2937 W. Cypress Creek Road, Suite 200, Fort Lauderdale, Florida 33309**
7. Office location responsible for this project: '**Fort Lauderdale**
8. Telephone no.: **954.484.4000**Fax no.: **954.484.5588**
9. Type of business (check appropriate box):
   - ☑ Corporation (specify the state of incorporation): **Florida**
   - ☐ Sole Prioprietor
   - ☐ Limited Liability Company (LLC)
   - ☐ Limited Partnership
   - ☐ General Partnership (State and County filled in)
   - ☐ Other – Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
    a) **Adolfo J. Cotilla, Jr. AIA - Owner/shareholder**
    b) **Donald M. Wilkin, RA, CPTED - Senior Principal**
    c) **Betty Loynaz, AIA, CBC, LEED AP BD+C; Principal**
    d) **Jennifer Shields - Associate Principal**
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:
    Name: **Adolfo J. Cotilla, Jr. AIA**
    Title: **President/Owner**
    E-mail: **adolfo@aecmworld.com**
    Telephone No.: **954.484.4000**

    Name:
    Title:
    E-mail:
    Telephone No.:
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:

Adolfo J. Cotilla, Jr.	**President**	**3/25/2021**
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE

Vendor Name: **ACAI Associates, Inc.**

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

Supplier: **ACAI 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: **Stephan Benson**

Lobbyist's Firm:

Phone: **954-822-4891**

E-mail: **stephanbenson79@gmail.com**

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Authorized Signature/Name: Adolfo J. Cotilla, Jr. Date: 3/25/2021

Title: President

Vendor Name: ACAI Associates, Inc.

Supplier: **ACAI 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) ☐ Parent, ☐ Subsidiary, or ☐ Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: . Or No ☐
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy ☐ Civil ☐ Criminal ☐ Administrative/Regulatory ☐
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 ☐ Settled ☐ Dismissed ☐ Judgment Vendor's Favor ☐ Judgment Against Vendor ☐ If Judgment Against, is Judgment Satisfied? ☐ Yes ☐ No
Opposing Counsel	Name: Email: Telephone Number:

Vendor Name: ACAI Associates, Inc.

Supplier: **ACAI 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).

- [x] 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).

Adolfo J. Cotilla, Jr.	President	ACAI Associates, Inc.	3/26/2021
Authorized Signature/Name	**Title**	**Vendor Name**	**Date**

Supplier: **ACAI 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: **Adolfo J. Cotilla, Jr.**

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Authorized Signature Name: **Adolfo J. Cotilla, Jr.**

Title: **President**

Vendor Name: **ACAI Associates, Inc.**

Date: **4/21/2021**

Supplier: **ACAI 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**:

2937 West Cypress Creek Road
Suite 200, Fort Lauderdale, FL 33309

☐ **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:
2937 West Cypress Creek Road
Suite 200
Fort Lauderdale, FL 33309

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: **Adolfo J. Cotilla, Jr.**

TITLE: **President**

VENDOR NAME: **ACAI Associates, Inc.**

DATE: **3/25/2021**

Supplier: **ACAI 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.

- [x] 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: **ACAI Associates, Inc.**

Supplier: **ACAI 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 seperating sections

1. Subcontracted Firm's Name: **Included in submittall document**

   Subcontracted Firm's Address: **Included in submittall document**

   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 seperating sections

2. Subcontracted Firm's Name: **Included in submittall document**

   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:

3. Subcontracted Firm's Name: **Included in submittall document**

   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: **Included in submittall document**

   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.

Adolfo J. Cotilla, Jr., AIA	**President**	**ACAI Associates, Inc.**	**4/21/2021**
Authorized Signature/Name	**Title**	**Vendor Name**	**Date**

Supplier: **ACAI 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.	**Broward County Main Jail Window Replacement**	**Q1235706P1**	**Construction Management**	**11-3-2015**	**$239,278.51**	**38,362.53**
2.	**Roofing and Waterproofing**	**R1185101PA**	**Facilities Management**	**6-23-2015**	**215,060.49**	**N/A**
3.	**PORT EVERGLADES EMERGENCY POWER STUDY**	**R2113758P1 & 2**	**Construction Management**	**2/6/2018**	**165,291.15**	**130,000**
4.	**OnCall BIM-VDC-LaserScan Svcs**	**R134501P1_2**	**Construction Management**	**2/14/2017**	**3,175**	**N/A**
5.	**BCAD T4 FIS**	**R1208106P1**	**AVIATION - AIRPORT Expansion Program**	**11/12/2014**	**7,239,293.1**	**1,646,464.36**
6.						
7.						
				Grand Total	**$7,862,098.25**	**$1,814,826.89**

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: ACAI Associates, Inc.

Adolfo J. Cotilla, Jr., AIA	**President**	**3/26/2021**
Authorized Signature/Name	**Title**	**Date**

VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM

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

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

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

The Vendor attests to the following:

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

Grand Total

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: ACAI Associates, Inc.

Adolfo J. Cotilla	**President**	**3/26/21**
Authorized Signature/Name	**Title**	**Date**

Supplier: **ACAI 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