

## Cartaya and Associates Architects PA

Bid Contact **Mario Cartaya**  
**marketing@cartayaandassociates.com**  
**Ph 954-771-2724**

Address **2400 E Commercial Boulevard, Suite  
201**  
**Fort Lauderdale, FL 33308**

Qualifications **CBE MBE**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PNC2120437P1--01-01	Professional Consultant Services	<b>Supplier Product Code:</b>	<b>First Offer -</b>	1 / contract	<b>Y</b>	<b>Y</b>

Supplier Total **\$0.00**

## Cartaya and Associates Architects PA

Item: **Professional Consultant Services**

### Attachments

Cartaya Local Form and Rcpts.pdf

Cartaya Litigation.pdf

Cartaya Financials.pdf

Cartaya Corp Doc Licenses.pdf

Cartaya Local Form and Rcpts.pdf

Cartaya CBE Forms and Certs.pdf

COI-Cartaya and Associates 2021.pdf

Cartaya Eval Criteria PNC2120437P1.pdf

Cartaya Evaluation Criteria Resumes.pdf

CartayaSubconsultantInfo.docx



**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
  - 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 0% .

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

2400 E. Commercial Boulevard, Suite  
201  
Fort Lauderdale, FL 33308

- ☐ **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:**

2400 E. Commercial Boulevard  
Suite 201  
Fort Lauderdale, FL 33308

**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:** Mario M. Cartaya

**TITLE:** President

**VENDOR NAME:** Cartaya and Associates Architects

**DATE:** 4/20/2021

---

**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 **marketing@cartayaandassociates.com**

Password  \*

[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields

**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:** CARTAYA MARIO CARTAYA & ASSOCIATES**Receipt #:** 316-438  
**Business Type:** ARCHITECT (P A (ARCHITECT))**Owner Name:** CARTAYA & ASSOCIATES ARCHITECTS PA  
**Business Location:** 2400 E COMMERCIAL BLVD 415  
FT LAUDERDALE  
**Business Phone:** 954-771-2724  
**Business Opened:** 08/16/2007  
**State/County/Cert/Reg:** AR 0007787  
**Exemption Code:****Rooms**                      **Seats**                      **Employees**                      **Machines**                      **Professionals**  
11

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

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS****THIS BECOMES A TAX RECEIPT****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:**CARTAYA & ASSOCS ARCHITECTS PA  
2400 E COMMERCIAL BLVD STE  
201  
FORT LAUDERDALE, FL  
33308-4022**Receipt #10A-19-00001148**  
**Paid 07/08/2020 45.00****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:** CARTAYA MARIO CARTAYA & ASSOCIATES**Receipt #:** 316-438  
**Business Type:** ARCHITECT (P A (ARCHITECT))**Owner Name:** CARTAYA & ASSOCIATES ARCHITECTS PA  
**Business Location:** 2400 E COMMERCIAL BLVD 415  
FT LAUDERDALE  
**Business Phone:** 954-771-2724  
**Business Opened:** 08/16/2007  
**State/County/Cert/Reg:** AR 0007787  
**Exemption Code:****Rooms**                      **Seats**                      **Employees**                      **Machines**                      **Professionals**  
11

For Vending Business Only						
Number of Machines:				Vending Type:		
Signature	Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost
	45.00	0.00	0.00	0.00	0.00	0.00

**Receipt #10A-19-00001148**  
**Paid 07/08/2020 45.00**





## 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-9602613

**Business Name:** CARTAYA MARIO

**Business Address:** 2400 E COMMERCIAL BLVD # 415

CARTAYA MARIO  
2400 E COMMERCIAL BLVD # 415  
FORT LAUDERDALE FL 33308

### TAX CATEGORIES

401400 ARCHITECT

**Contact:** CARTAYA MARIO

- 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](mailto: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](mailto: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.**

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <div style="border: 1px solid black; height: 20px; width: 100%;"></div> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	James A. Cummings, Inc., et al v. Broward County, et al, and the case number is CACE19014258
Name of Court or other tribunal	17th Judicial Circuit for Broward County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	Cartaya and Associates is a Third Party Defendant in a civil action pending in Broward County, Florida arising from the Broward County Courthouse project CASE NO: CACE-19-014258 (03)
Brief description of the Subject Matter and Project Involved	The General Contractor Plaintiff James Cummings Inc. asserted claims against the Owner/Broward County for extra work and delays. The Owner while denying all of the Plaintiffs claims, asserting counterclaims against the GC, filed Third Party Claims for indemnification against the Joint Venture Design Team , AECOM, HEERY and Cartaya that, to the extent any damages alleged by GC Plaintiff, were caused by the Design Team, they should be passed through. The Third Party claims are vigorously denied by Cartaya and the other JV Design team defendants.
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <div style="border: 1px solid black; height: 20px; width: 100%;"></div> Email: scott@sotolawgroup.com; oscar@sotolawgroup.com Telephone Number: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

**Vendor Name:**

Cartaya and Associates Architects, P.A.



**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/>
	Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name: CMS-Construction Management Services, Inc.

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

In today's legal environment, claims and litigation are a reality for any large company in the industry regardless of performance or merit. When claims do occur we are proactive and cooperative in reaching a resolution that is fair and reasonable to all. We value the confidences of our clients as well as our contractual commitments to confidentiality and do not discuss with third parties the circumstances involving ongoing projects. We would take the same position with information regarding our work on this project.

If necessary we would be willing to meet in person with you to discuss the merits or background of past claims. There are no claims or litigation that could impede our ability to perform this project, and we have maintained professional liability insurance in force continually since for the protection of us and our clients.

## Supplier Response Form

## LITIGATION HISTORY FORM

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

☐ There are no material cases for this Vendor, or

☒ Material Case(s) are disclosed below:

Is this for a: check type <input type="checkbox"/> Parent <input type="checkbox"/> Subsidiary or <input checked="" type="checkbox"/> Predecessor Firm?	If Yes, name of Parent, Subsidiary, Predecessor: <div>CH2M HILL, Inc.</div> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<div>CACE09048929, Triple R Paving v. Broward Co and CH2M, Filed in 2009</div>
Name of Court or other tribunal	<div>Circuit Court - Broward</div>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<div>Contract &amp; Indebtedness</div>
Brief description of the Subject Matter and Project Involved	<div>Triple R Paving (Triple R), who sued Jacobs affiliate, CH2M HILL, Inc., and Broward County, Florida seeking payment of retainage withheld by the County on a new taxiway project designed by CH2M HILL and constructed by Triple R at the Ft. Lauderdale-Hollywood International Airport. The County asserted cross-claims against CH2M HILL and Triple R, and third-party claims against URS (the program manager), and Bureau Veritas (the testing consultant).</div>
Disposition of Case	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
Attach copy of any applicable Judgment, Settlement Agreement, and Satisfaction of Judgment	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <div>McRae &amp; Metcalf</div> Email: <div>info@mcrametcalc.com</div> Telephone Number: <div>(813) 225-1125</div>

Vendor Name 

Jacobs Engineering Group Inc.

Jacobs Engineering Group Inc. and its related companies has a talent force of more than approximately billion in revenue and over global operating entities with approximately operating entities in the United States and Canada. Our public filings can be found at <http://invest.jacobs.com/investors/default.aspx#corporate>. From time to time and in the ordinary course of its business, the Bidder is subject to various claims, disputes, terminations, arbitrations, and other legal proceedings. It is the Vendor's practice to defend itself in such actions, many of which are generally subject to insurance and none of which are expected to have a materially adverse effect on the Vendor's consolidated financial statement.

Additionally, based on information to the best of the Jacobs organization's belief, the Jacobs organization has one pending legal action that involves Broward County which was filed in by a contractor, Triple R Paving (Triple R), who sued Jacobs affiliate, CH2M HILL, Inc., and Broward County, Florida seeking payment of retainage withheld by the County on a new taxiway project designed by CH2M HILL and constructed by Triple R at the Ft. Lauderdale-Hollywood International Airport. The County asserted cross-claims against CH2M HILL and Triple R, and third-party claims against URS (the program manager) and Bureau Veritas (the testing consultant). The County settled its claims against URS and BV and final judgement was issued in favor of the County against the remaining Defendants in July which is currently on appeal.

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

## LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:



**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	CA Healthcare District of Palm Beach Co vs Miller Legg Assoc Inc August
Name of Court or other tribunal	Circuit Court of Palm Beach County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	Breach of Contract
Brief description of the Subject Matter and Project Involved	Notice of Claim for design and construction defects related to perimeter road of Lakeside Medical Facility
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input checked="" type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: John A Hockin Email: jhockin@ciklinlubitz.com Telephone Number: <input type="text"/>

Vendor Name: Miller Legg Associates Inc

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	Monarch Lakes Property Owners Assn Inc vs Glassman Development Corp and Aquatic Systems Inc and Miller Legg Assoc Inc October
Name of Court or other tribunal	Circuit Court Broward County
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	Violation of building code and design professional negligence
Brief description of the Subject Matter and Project Involved	Claim filed for damages allegedly due to faulty soil compaction and drainage issues
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/> Judgment Vendor's Favor <input checked="" type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Valerie Barnhart, Esq Email: valerie@pererabarnhart.com Telephone Number:

**Vendor Name:** Miller Legg Associates Inc

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/>	
	Or No <input checked="" type="checkbox"/>	
Party		
Case Number, Name, and Date Filed	Seaside Landing LLC vs Miller Legg Assoc Inc Flagler Co CA	May
Name of Court or other tribunal	Flagler County Circuit Court	
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>	
Claim or Cause of Action and Brief description of each Count	Alleged breach of conduct and professional negligence	
Brief description of the Subject Matter and Project Involved	Services for Seaside Landing project	
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/> Judgment Vendor's Favor <input checked="" type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Opposing Counsel	Name: J Stanley Chapman Email: schapman@equelslawfirm.com Telephone Number:	

Vendor Name: Miller Legg Associates Inc

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: RS&H, Inc.
Party	Defendant
Case Number, Name, and Date Filed	Case 18-002189 (14); Hernandez v. Dragados, RS&H, Inc. et al. Filed January 26, 2018 — dismissed January 6, 2020
Name of Court or other tribunal	Broward County 17th Judicial Circuit
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	The Plaintiff a third party brought suit for wrongful death arising out of a vehicular accident where the decedent lost control after his aged tire blew and hit a temporary barrier wall in a construction zone
Brief description of the Subject Matter and Project Involved	
Disposition of Case	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided Email: Telephone Number:

Vendor Name: RS&H, Inc.

## LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>
	Or No <input type="checkbox"/>
Party	<u>Defendant</u>
Case Number, Name, and Date Filed	<u>Case No 15-001813-CI; Juárez v. Norman Graf, RS&amp;H, Inc., et al. Filed March Summary judgment awarded November</u>
Name of Court or other tribunal	<u>6th Judicial Court, Pinellas County, Florida</u>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<u>In co defendant Norman Graf was attempting a left hand turn out of the parking lot when he struck the Plaintiff a third party who was riding a motorcycle. The Plaintiff brought an action for personal injury against RS H claiming the exit should have had a 'no left turn' sign</u>
Brief description of the Subject Matter and Project Involved	<u>In RS H designed a branch office for MacDill Federal Credit Union</u>
Disposition of Case	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input checked="" type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <u>As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided</u> Email: <u>cannot be provided</u> Telephone Number: <u></u>

Vendor Name: RS&H, Inc.

## LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>	
	Or No <input type="checkbox"/>	
Party	<u>Defendant</u>	
Case Number, Name, and Date Filed	<u>Case CVS Tricor Construction v GARAA and RS H Architects</u> <u>Engineers Planners Inc Filed March Settled February</u>	
Name of Court or other tribunal	<u>Superior Court Division Henderson North Carolina</u>	
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>	
Claim or Cause of Action and Brief description of each Count	<u>The Contractor brought suit against GARAA and RS H seeking compensation for additional work performed relative to a retaining wall</u> <u>GARAA also sought indemnity from RS&amp;H.</u>	
Brief description of the Subject Matter and Project Involved	<u>RS H Architects Engineers Planners Inc a subsidiary of RS H Inc was</u> <u>Program Manager for improvements at the Greater Asheville Regional Airport</u> <u>Authority GARAA RS H was not the engineer or record on the project.</u>	
Disposition of Case	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>	
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Opposing Counsel	Name: <u>As all settlements are confidential per settlement</u> Email: <u>agreement the values and the nature of settlements</u> Telephone Number: <u>cannot be provided</u>	

Vendor Name: RS&H, Inc.

## LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>
	Or No <input type="checkbox"/>
Party	<u>Defendant</u>
Case Number, Name, and Date Filed	<u>Case CA XXXMA Atkins North America Inc v RS H Inc</u> <u>Filed January Appeal affirmed April</u>
Name of Court or other tribunal	<u>Fourth Judicial Circuit, Duval County, Florida</u>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<u>RS H had an indemnification obligation in its contract with FDOT Atkins which was in a separate contract with FDOT as the contractor argued they were agents of the FDOT and therefore subject to indemnification for their actions in the case Full summary judgment was granted in favor of RS H</u>
Brief description of the Subject Matter and Project Involved	<u>The decision was appealed and affirmed</u>
Disposition of Case	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input checked="" type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <u>As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided</u> Email: <u>cannot be provided</u> Telephone Number: <u></u>

Vendor Name: RS&H, Inc.

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>
	Or No <input type="checkbox"/>
Party	<u>Defendant</u>
Case Number, Name, and Date Filed	<u>Case CACE-15-011648 (09); Shaw Farms and Land Co. v. Broward County, RS-H et al Filed July Settled April</u>
Name of Court or other tribunal	<u>Circuit Court of 17th Judicial Circuit, Broward County, Florida</u>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<u>The Plaintiff a third party filed suit alleging water runoff from the south end of a new runway at the Ft Lauderdale Airport has caused his adjacent property to flood</u>
Brief description of the Subject Matter and Project Involved	<u>RS-H as a sub consultant designed certain portions of the new runway and did the drainage design at the east end of the property Another design firm did the drainage design for the other parts of the property including those that were adjacent to the Plaintiff's property</u>
Disposition of Case	Pending <input type="checkbox"/> Settled <input checked="" type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <u>As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided</u> Email: <u></u> Telephone Number: <u></u>

Vendor Name: RS&H, Inc.



**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>
	Or No <input type="checkbox"/>
Party	<u>Defendant</u>
Case Number, Name, and Date Filed	<u>Case No</u> <u>Dionicio Reyes v TxDOT Hays County</u> <u>RS H Inc et al</u> <u>Date Pending</u>
Name of Court or other tribunal	<u>District Court of the 453rd Judicial District, Hays County, Texas</u>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<u>The Plaintiff was injured during the relocation of the waterpipe and brought suit against RS H and other parties alleging failure to monitor and ensure a safe installation of the pipe and failure to inspect safety procedures</u>
Brief description of the Subject Matter and Project Involved	<u>RS H contracted with Hays County in to perform CEI services for a project relating to replacing an old water line at a project site</u>
Disposition of Case	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <u>As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided</u> Email: <u></u> Telephone Number: <u></u>

Vendor Name: RS&H, Inc.

## LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <u>RS&amp;H, Inc.</u>
	Or No <input type="checkbox"/>
Party	<u>Defendant</u>
Case Number, Name, and Date Filed	<u>Case No A Redwine Heath et al v TxDOT RS H Inc et al</u> <u>Date Pending</u>
Name of Court or other tribunal	<u>District Court of the th Judicial District Jefferson County Texas</u>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<u>The Plaintiff was injured when he was hit head on by another driver along the roadway under construction. The Plaintiff filed suit against TxDOT RS H and other parties alleging a temporary traffic control device malfunctioned leading to the accident.</u>
Brief description of the Subject Matter and Project Involved	<u>RS H contracted with TxDOT to provide CEI services on a bridge replacement project</u>
Disposition of Case	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <u>As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided</u> Email: <u>cannot be provided</u> Telephone Number: <u></u>

Vendor Name: RS&H, Inc.

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input checked="" type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: RS&H, Inc.
	Or No <input type="checkbox"/>
Party	Defendant
Case Number, Name, and Date Filed	Case No. 202048932; Echols, William as administrator of the Estate of Darwin Torres v Williams Brothers Construction RS H Inc et al Dates Pending
Name of Court or other tribunal	District Court of the 295th Judicial District, Harris County, Texas
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	The Plaintiff brought a wrongful death action on behalf of the decedent related to a motor vehicle accident in which the decedent left the road and collided with a High Mast Illumination Pole (HMIP). The Plaintiff alleged RS&H and other Defendants were negligent in maintaining the traffic plan and the construction area.
Brief description of the Subject Matter and Project Involved	RS H contracted with TxDOT to provide CEI services along a portion of I
Disposition of Case	Pending <input checked="" type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>
(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: As all settlements are confidential per settlement agreement the values and the nature of settlements cannot be provided Email: Telephone Number:

Vendor Name: RS&H, Inc.

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

**LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <input type="text"/> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text"/>
Name of Court or other tribunal	<input type="text"/>
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	<input type="text"/>
Brief description of the Subject Matter and Project Involved	<input type="text"/>
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text"/> Telephone Number: <input type="text"/>

Vendor Name:

**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
  - 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 0% .

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

2400 E. Commercial Boulevard, Suite  
201  
Fort Lauderdale, FL 33308

- ☐ **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:**

2400 E. Commercial Boulevard  
Suite 201  
Fort Lauderdale, FL 33308

### 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:** Mario M. Cartaya

**TITLE:** President

**VENDOR NAME:** Cartaya and Associates Architects

**DATE:** 4/20/2021

---

**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 **marketing@cartayaandassociates.com**

Password  \*

[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields

**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:** CARTAYA MARIO CARTAYA & ASSOCIATES**Receipt #:** 316-438  
**Business Type:** ARCHITECT (P A (ARCHITECT))**Owner Name:** CARTAYA & ASSOCIATES ARCHITECTS PA  
**Business Location:** 2400 E COMMERCIAL BLVD 415  
FT LAUDERDALE  
**Business Phone:** 954-771-2724  
**Business Opened:** 08/16/2007  
**State/County/Cert/Reg:** AR 0007787  
**Exemption Code:****Rooms**                      **Seats**                      **Employees**                      **Machines**                      **Professionals**  
11

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

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS****THIS BECOMES A TAX RECEIPT****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:**CARTAYA & ASSOCS ARCHITECTS PA  
2400 E COMMERCIAL BLVD STE  
201  
FORT LAUDERDALE, FL  
33308-4022**Receipt #10A-19-00001148**  
**Paid 07/08/2020 45.00****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:** CARTAYA MARIO CARTAYA & ASSOCIATES**Receipt #:** 316-438  
**Business Type:** ARCHITECT (P A (ARCHITECT))**Owner Name:** CARTAYA & ASSOCIATES ARCHITECTS PA  
**Business Location:** 2400 E COMMERCIAL BLVD 415  
FT LAUDERDALE  
**Business Phone:** 954-771-2724  
**Business Opened:** 08/16/2007  
**State/County/Cert/Reg:** AR 0007787  
**Exemption Code:****Rooms**                      **Seats**                      **Employees**                      **Machines**                      **Professionals**  
11

For Vending Business Only						
Number of Machines:				Vending Type:		
Signature	Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost
	45.00	0.00	0.00	0.00	0.00	0.00

**Receipt #10A-19-00001148**  
**Paid 07/08/2020 45.00**



## 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-9602613

**Business Name:** CARTAYA MARIO

**Business Address:** 2400 E COMMERCIAL BLVD # 415

CARTAYA MARIO  
2400 E COMMERCIAL BLVD # 415  
FORT LAUDERDALE FL 33308

### TAX CATEGORIES

401400 ARCHITECT

**Contact:** CARTAYA MARIO

- 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](mailto: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](mailto: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.**



## LETTER OF INTENT

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

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

**Solicitation No.:** PNC2120437P1

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

**Bidder/Offeror Name:** Cartaya and Associates Architects, P.A.

Address: 2400 E. Commercial Boulevard, Suite 201 City: Fort Lauderdale State: FL Zip: 33308

Authorized Representative: Mario M. Cartaya, President Phone: 954-771-2724

**CBE Firm/Supplier Name:** Delta G Consulting Engineers, Inc.

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 <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
M/E/P & FP Engineering	541330		1.00 %
			%
			%

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

**CBE Firm/Supplier Authorized Representative**

Signature: [Signature] Title: President Date: 04/20/2021

**Bidder/Offeror Authorized Representative**

Signature: [Signature] Title: President Date: 4/20/2021

<sup>1</sup> Visit [Census.gov](https://www.census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

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

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

**Rev.: June 2018**

**Compliance Form No. 004**



## LETTER OF INTENT

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

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

**Solicitation No.:** PNC2120437P1

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

**Bidder/Offeror Name:** Cartaya and Associates Architects, P.A.

Address: 2400 E. Commercial Boulevard, Suite 201 City: Fort Lauderdale State: FL Zip: 33308

Authorized Representative: Mario M. Cartaya, President Phone: 954-771-2724

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

Address: 2925 W Cypress Creek Rd Ste 200 City: Fort Lauderdale State: FL Zip: 33309

Authorized Representative: Sri S. Sritharan, P.E., President 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 <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Structural Engineering	541330		1.00 %
			%
			%

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

#### CBE Firm/Supplier Authorized Representative

Signature:   Digitally signed by Sri S. Sritharan, P.E. Title: President Date: 04/20/2021

#### Bidder/Offeror Authorized Representative

Signature:  Title: President Date: 4/20/2021

<sup>1</sup> Visit [Census.gov](https://www.census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

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

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

**Rev.: June 2018**

**Compliance Form No. 004**



## LETTER OF INTENT

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

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

**Solicitation No.:** PNC2120437P1

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

**Bidder/Offeror Name:** Cartaya and Associates Architects, P.A.

**Address:** 2400 E. Commercial Boulevard, Suite 201 **City:** Fort Lauderdale **State:** FL **Zip:** 33308

**Authorized Representative:** Mario M. Cartaya, President **Phone:** 954-771-2724

**CBE Firm/Supplier Name:** CMS-Construction Management Services, Inc.

**Address:** 10 Fairway Drive, Suite 301 **City:** Deerfield Beach **State:** FL **Zip:** 33441

**Authorized Representative:** Armon P. (Keith) Emery, President **Phone:** 954-481-1611

- 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 <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Cost Estimating	541611		1.00 %
			%
			%

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

**CBE Firm/Supplier Authorized Representative**

**Signature:**  **Title:** President **Date:** 04/20/2021

**Bidder/Offeror Authorized Representative**

**Signature:**  **Title:** President **Date:** 4/20/2021

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

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

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

**Rev.: June 2018**

**Compliance Form No. 004**





## LETTER OF INTENT

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

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

**Solicitation No.:** PNC2120437P1

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

**Bidder/Offeror Name:** Cartaya and Associates Architects, P.A.

Address: 2400 E. Commercial Boulevard, Suite 201 City: Fort Lauderdale State: FL Zip: 33308

Authorized Representative: Mario M. Cartaya, President Phone: 954-771-2724

**CBE Firm/Supplier Name:** AirQuest Environmental, Inc.

Address: 6851 SW 45th Street City: Fort Lauderdale State: FL Zip: 33314

Authorized Representative: Traci-Anne Boyle Phone: 954-792-4549

- 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 <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Environmental Consulting Services	541380		1.00 %
			%
			%

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

#### CBE Firm/Supplier Authorized Representative

Signature: Traci-Anne Boyle Title: President Date: 04/20/2021

#### Bidder/Offeror Authorized Representative

Signature: [Signature] Title: President Date: 4/20/2021

<sup>1</sup> Visit [Census.gov](https://www.census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

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

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

**Rev.: June 2018**

**Compliance Form No. 004**





## LETTER OF INTENT

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

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

**Solicitation No.:** PNC2120437P1

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

**Bidder/Offeror Name:** Cartaya and Associates Architects, P.A.

Address: 2400 E. Commercial Boulevard, Suite 201 City: Fort Lauderdale State: FL Zip: 33308

Authorized Representative: Mario M. Cartaya, President Phone: 954-771-2724

**CBE Firm/Supplier Name:** Cartaya and Associates Architects

Address: 2400 E. Commercial Boulevard, Suite 201 City: Fort Lauderdale State: FL Zip: 33308

Authorized Representative: Mario M. Cartaya Phone: 954-771-2724

- 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 <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Architecture	541310		30.00 %
			%
			%

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

**CBE Firm/Supplier Authorized Representative**

Signature:  Title: President Date: 04/20/2021

**Bidder/Offeror Authorized Representative**

Signature:  Title: President Date: 04/20/2021

<sup>1</sup> Visit [Census.gov](https://www.census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

<sup>2</sup> 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**





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

October 14, 2020

Ms. Traci-Anne Boyle  
AIRQUEST ENVIRONMENTAL, INC.  
6851 SW 45<sup>th</sup> Street  
Davie, FL 33314

ANNIVERSARY DATE – Annually, on September 14<sup>th</sup>

Dear Ms. Boyle:

Broward County is pleased to announce AIRQUEST ENVIRONMENTAL, INC. has renewed its certification as a **Disadvantaged Business Enterprise [DBE]** in Florida, under a **Unified Certification Program [UCP]** in accordance with 49 CFR, PART 26.

DBE certification continues from your anniversary date, but is contingent upon AIRQUEST ENVIRONMENTAL, INC. renewing its eligibility annually through this office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, ensuring continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to decertify AIRQUEST ENVIRONMENTAL, INC. as a DBE.

As long as AIRQUEST ENVIRONMENTAL, INC. is listed in the DBE Directory, it is considered DBE Certified by all Florida UCP Members.

DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of AIRQUEST ENVIRONMENTAL, INC.

AIRQUEST ENVIRONMENTAL, INC. will be listed in Florida's **UCP DBE Directory** which can be accessed via the internet, at:

<https://fdotxwp02.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/CustomSearch>

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

Broward County Board of County Commissioners  
Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holmes • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine  
[www.broward.org/econdev](http://www.broward.org/econdev)



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 25, 2020

Mr. Armon P. (Keith) Emery  
CMS – CONSTRUCTION MANAGEMENT SERVICES, INC.  
510 Fairway Drive, Suite 301  
Deerfield Beach, Florida 33441

Dear Mr. Emery:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** has been renewed. However, your firm no longer qualifies for **Small Business Enterprise (SBE)** as your gross receipts have exceeded the program's size standard.

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

To review current Broward County Government bid opportunities, visit: [www.broward.org/Purchasing](http://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](http://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 area:

NAICS CODE: 541611

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: JULY 15<sup>th</sup>

Broward County Board of County Commissioners  
Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holmes • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine  
[www.broward.org/econdev](http://www.broward.org/econdev)





## CERTIFICATE OF LIABILITY INSURANCE

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).

<b>PRODUCER</b> Brown & Brown of Florida, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309		<b>CONTACT NAME:</b> Renee Lewis <b>PHONE (A/C, No, Ext):</b> (954) 776-2222 <b>E-MAIL ADDRESS:</b> rlewis@bbftlaud.com <b>FAX (A/C, No):</b> (954) 776-4446	
<b>INSURED</b> Cartaya & Associates Architects, P.A. 2400 East Commercial Blvd #201 Fort Lauderdale FL 33308		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Valley Forge Insurance Company <b>INSURER B:</b> Continental Casualty Company <b>INSURER C:</b> Zenith Insurance Company <b>INSURER D:</b> Lloyd's <b>INSURER E:</b> <b>INSURER F:</b>	
		<b>NAIC #</b>	
		20508	
		20443	
		13269	

## COVERAGES

CERTIFICATE NUMBER: 2020-2021 COI

REVISION NUMBER:


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6025168512	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 Employee Benefits \$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			6025168512	04/01/2020	04/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			6025168560	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y	N/A	Z067674016	10/03/2020	10/03/2021	PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liability			ANE168766120	04/01/2020	04/01/2021	Aggregate \$5,000,000 Retention \$25,000

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

## CERTIFICATE HOLDER

## CANCELLATION

Cartaya and Associates Architects,P.A. 2400 E. Commercial Boulevard Suite 201 Fort Lauderdale FL 33308	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 
---	---

# 1. Ability of Professional Personnel

*Describe the relevant qualifications, licenses and experience of the proposed key staff members from the Prime Vendor and its subconsultants that are intended to be assigned to this Project. Include resumes for all key staff described, including all subconsultants' key staff to be assigned to this Project. Describe how the Project Manager used his/her qualifications, knowledge and experience including the number of years in an airport environment. Describe how the Project Manager's time and resources will be allocated to this Project.*

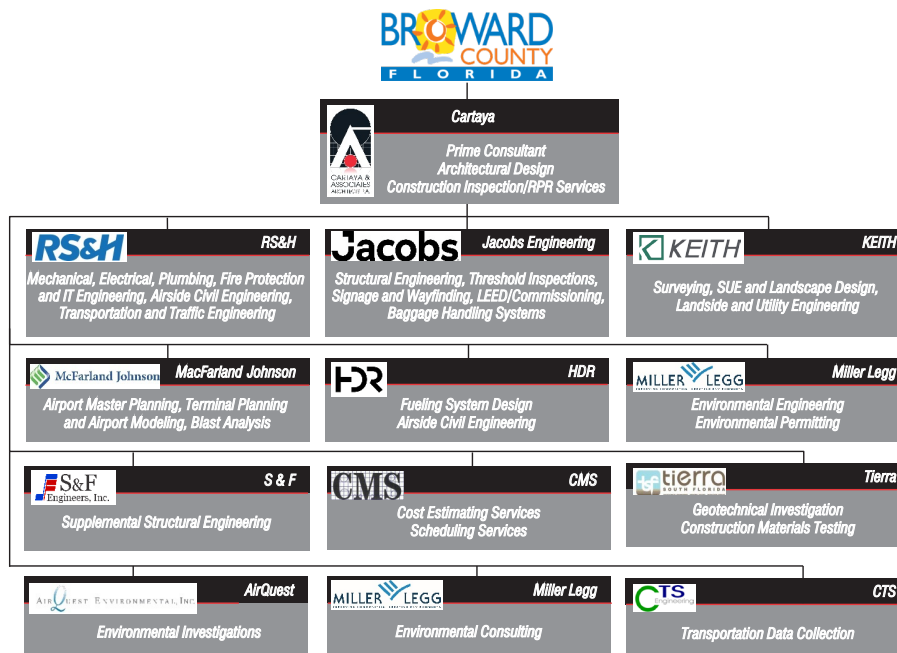
## CARTAYA AND ASSOCIATES ARCHITECTS, P.A. TEAM

Cartaya and Associates Architects, P.A. (Cartaya) has demonstrated its ability to provide innovative solutions and quality work in Broward County, including Fort Lauderdale-Hollywood International Airport (FLL), for over 42 years. As a result of Cartaya's commitment to superior quality, we have been recognized with various national, state, county and local awards including five Broward County Proclamations and a national AIA Certificate of Merit. Additionally, Cartaya is an ongoing participant in the Broward County CBE program.

## THE CARTAYA TEAM BRINGS NATIONAL AVIATION BUILDINGS EXPERTISE THAT IS PROVIDED BY KEY PERSONNEL WITH EXTENSIVE BCAD

## PROJECT EXPERIENCE.

Cartaya has assembled an extremely solid team of local professional firms who have extensive experience at the Fort Lauderdale-Hollywood International Airport (FLL) and North Perry Airport (HWO). The Cartaya Team's key personnel are Broward County based, well known by the Airport as proven design professionals, having extensive Professional Consultant Services (PCS) project experience, and offer a superb blend of local knowledge and national experience for every type of anticipated project for this assignment. Cartaya will serve as the prime consultant and be the single point of contact for contract administration and architectural design throughout the assignment. Upon selection, the Cartaya Team illustrated in the Team organizational chart below, will be ready to start work immediately. Eight out of the twelve team members will be continuing their successful partnership together in similar roles on the recently completed Airport general consulting services assignment.



This Team knows how to plan, design and execute successful projects for the Broward County Aviation Department (BCAD) and its Capital Improvement Program and has developed strong working relationships with the BCAD CIP project management staff over the years.

The following are brief company introductions and key personnel summaries of the Cartaya Team members. After the following company introductions and summaries, key team personnel resumes are provided to demonstrate the comprehensive and specifically relatable experience of the Team with respect to this assignment.

### **Cartaya and Associates Architects, P.A. | Prime Consultant / Architectural Design, Construction Inspection and RPR Services**

Since its inception in 1979, Cartaya has built an excellent reputation in Broward County as a high-quality architectural firm whose experienced professionals have been involved in numerous successful projects including airport and transportation terminals, parking structures, transportation hubs, warehouses, fire stations, and commercial buildings, which are all similar to the proposed projects in this assignment. Cartaya is committed to support effective communication between Broward County Aviation Department (BCAD), the Team and general contractors from the pre-design analysis phase through the completion of construction, in order to ensure prompt project delivery and final project completion based on BCAD's expectations and within their budget.

Cartaya has been working with the Fort-Lauderdale-Hollywood International Airport (FLL)



*Cartaya is a recognized and celebrated Broward County Architect.*

for over 25 years. In more than two decades working with BCAD staff, Cartaya has developed a thorough understanding of the Airport's Capital Improvement Program's (CIP's) function and operations and will utilize these decades of experience to integrate the professional consulting services in this assignment with the goals of BCAD's CIP program. Cartaya offers the following specific project examples as evidence of the type and outstanding quality of services that can be expected:

- Terminal Connector Bridges
- Terminal 2 In-Line Baggage and Lobby Renovation
- Palm/Hibiscus/Cypress Garage Enhancements
- Terminal 4 Concourse H Post Security Enhancements & Sterile Corridor Extension for International Arrivals
- Building Renovations for BSO Offices
- Perimeter Security Enhancements (FLL & HWO)
- FLL Entry Sign
- EOC Build-Out
- FLL Master Plan Peer Review
- Cabot Lobby Security Improvements
- Terminal 1 Concourse B Post Hurricane Irma Condition Assessments Evaluation
- Terminal 1 Concourse B Glazing Replacement
- Terminal 1 Concourses B & C Window Replacement
- FLL Roadway Repairs
- Terminal 1, Terminal 4, Airport Security Building and G&G Building Re-Roofing
- Concourse A Roadway Barrier
- Airport Security Building Renovation
- HWO Security Enhancement, Access Control & CCTV

Leading the Cartaya Team in design efforts is the founder and principal owner of the firm, **Mr. Mario Cartaya, RA** who will serve as the **Principal-In-Charge** for the assignment. Mr. Cartaya has designed and led numerous building projects both in Broward County and specifically at the Airport. He will bring over 45 years of architectural and building project experience to the



Team. During this time, Cartaya has designed and administered the construction of over 100 governmental and municipal projects, including over 23 projects at Fort Lauderdale-Hollywood International Airport, the new Broward County Civil and Family Courthouse, Miramar Town Center, and the City of Fort Lauderdale Building Services Center.

Supervising the team will be Cartaya's **Aviation**



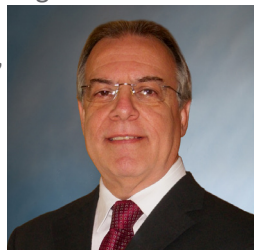
**Director, Mr. Roger Lebida, RA** who has been managing Cartaya's Aviation Department for the past six years. Additionally, Mr. Lebida managed the Fort Lauderdale/Hollywood

International Airport (FLL) Architectural/Engineering Continuing Services agreement between SingerArchitects and Broward County for over a decade. Mr. Lebida managed over one hundred fifty projects at the Fort Lauderdale - Hollywood International Airport during this time. Projects included renovations, tenant build-outs, various electrical and structural studies, sitework projects, security checkpoint upgrades, and more.

Furthermore, managing Cartaya's day to day architectural efforts on this assignment will be **Architectural Project**

**Managers Mr. Tony Herrero, AIA, LEED AP BD+C and Ms. Martha Carvalho, RA.**

Mr. Herrero will manage the more significant and complex project which require more coordination with airlines, consultants and County staff. He has over 39 years of experience in the industry and has specific, relatable project experience at airports nationwide and specifically at FLL and HWO. Mr. Herrero has been working at FLL over the last seven years in a similar capacity on the Terminal Connector Bridges, Delta In-Line Baggage Handling System, the Lobby for Terminal 2, and the Renovations for Terminal 4 Concourse H. Mr. Herrero will build on his successful project experience with BCAD in managing all architectural design, construction inspection and RPR services that Cartaya will provide in this assignment. Mr. Herrero's specific Airport project experience



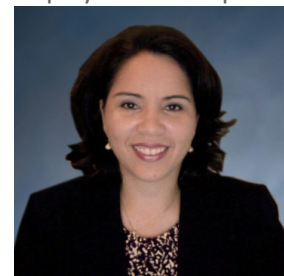
similar to the anticipated projects for this assignment are as follows:

- FLL Terminal Connector Bridges
- FLL Terminal 2 In-Line Baggage Screening System and Ticket Lobby Renovation
- FLL Post Security Enhancements to Terminal 4
- FLL & HWO Multiple Hurricane Property Damage Assessments
- FLL Terminals 2, 3 & 4 Various Improvements
- FLL Terminal 1 In-Line Baggage Handling System

**MR. HERRERO WILL EXPAND UPON HIS OUTSTANDING BCAD PROJECT EXPERIENCE ON FLL TERMINALS AND CONCOURSES IN THIS ASSIGNMENT.**

Ms. Carvalho will manage smaller to medium scaled efforts which have less players and require less coordination. Ms.

Carvalho is a skillful leader and versatile professional with over sixteen years of experience in architectural design, project management, and construction



administration for a wide range of projects. She has been part of the Cartaya Aviation Department for the past three years and her project experience includes:

- FLL Terminal 1, 4, Security Building & G&G Building Re-roofing
- FLL New Security Building
- FLL Concourse A Barrier
- FLL Phase III Emergency Operations Center
- FLL South Runway Security
- FLL ARFF Air Curtains
- IS Communication Rooms
- HWO Perimeter Security Enhancements Phase I and Phase II

The Cartaya Team has extensive experience in building assessments, building demolition, hangar renovations, tenant build-outs and building rehabilitations, as evidenced by the selection of projects included in the Past Performance section of this proposal. Our experience differentiates us in terms of Airport project knowledge and County and Airport contract administration experience.



Over the past 5 years, the core Cartaya Aviation Team consisting of Roger Lebida, Tony Herrero and Martha Carvalho, dedicate their time to Aviation projects and are available as needed to manage BCAD projects. BIM and CAD draftspersons, CA team members and RPR staff are assigned as needed to ensure deadlines are accomplished and construction is observed.

**RS&H, Inc. | Mechanical, Electrical, Plumbing, Fire Protection and IT Engineering, Airside Civil Engineering, Transportation & Traffic Engineering**

Cartaya is pleased to include RS&H, Inc. (RS&H) on this team; an architectural-engineering-consulting firm with both coast-to-coast national aviation experience and international aviation experience. Most importantly, RS&H has extensive aviation project experience at FLL and HWO that is specifically relevant to this assignment for BCAD. Serving airports for over 77 years, RS&H has built a reputation as a client-focused consulting firm whose practice structure offers value-added solutions to clients around the world. RS&H brings to the table extensive experience with the design and assessment of airport facilities at large-hub and other major airports around the country, world and most importantly, Fort Lauderdale-Hollywood International and North Perry Airports.

Having worked extensively with Cartaya on the most recent Buildings general consulting contract for BCAD, RS&H further expanded its knowledge of BCAD's facilities at FLL and HWO. Furthermore, RS&H is providing supporting building and civil engineering services on BCAD's Terminal Modernization project.

In addition, RS&H completed a five-year general engineering consultant contract (GEC) with Broward County for Fort Lauderdale-Hollywood International and North Perry Airports in 2014. During that GEC contract, RS&H completed 40 projects both large and small that involve projects for airfield, airport security enhancements, buildings, utility atlas updating, master plans, garage evaluations and repairs, facilities review for conformance to BCAD standards, concourse renovations, roadway improvements, utilities improvements, geospatial

data maintenance, and drainage concept studies for enhancing development areas,.

The compilation of all of these years of experience with all the terminals and facilities at FLL and HWO provides RS&H with a depth and breadth of engineering experience on your specific facilities that is unmatched! We also understand on a holistic level how BCAD always has several development projects in various stages and how those projects can be best scheduled and scoped to allow for building systems and civil work to be best implemented saving BCAD time and money through efficient planning, design and implementation.

RS&H's engineering design team is committed to continuing to work closely, and in partnership, with BCAD. The Project Manager and engineering design team's primary goal is to ensure the highest level of quality design and technical services, delivered consistently on schedule and within budget. This will be accomplished by constantly managing financial implications and cost effectiveness, stressing functionality and maintainability, understanding tenant needs and operations, and assuring the Airport operates safely and smoothly throughout the design and construction of all projects.

**Engineering Supervisor, Mr. John W. Carrigan, PE, LEED AP+**, from RS&H's Fort Lauderdale office, working collaboratively with Cartaya, will supervise this assignment's engineering projects and serve as project liaison to the BCAD Project Manager. Mr. Carrigan has developed a thorough understanding of BCAD's project process, serving as Project Manager on a number of projects under the previous Airport GEC contract. Mr. Carrigan will be local to Broward County and looks forward to continuing to serve BCAD for this assignment. Mr. Carrigan is the ideal Project Manager for this assignment: He has served as Project Manager on assessment and repair projects at Tampa International Airport and Jacksonville International Airport, as well as an engineer and Project Manager of terminal expansions, new parking garages and hangar renovations and other aviation facility design projects





throughout the country in his 15 years of aviation experience. The specific projects for which Mr. Carrigan was Project Manager at FLL and HWO are as follows:

- FLL Buildings Facility Condition Assessment
- HWO Buildings Facility Condition Assessment
- FLL Palm Garage Structural Repairs
- FLL Palm, Hibiscus and Cypress Parking Garages Facility Condition Assessments
- FLL Public Safety Facility Criteria Package
- FLL Multi-Building Demolition Packages for Expansion of Runway 10R-28L
- FLL Terminal 2 CBIS Schematic Design

Primarily through his participation in the garage and building assessment projects for BCAD, Mr. Carrigan has become innately familiar with all non-terminal buildings and facilities at both FLL and HWO. Furthermore, Mr. Carrigan knows first-hand the solutions to physical defects and damage present in these facilities which are programmed to be repaired and renovated as part of this assignment. No other consultant knows more about the current condition of the Airport's non-terminal facilities than Mr. Carrigan. He wrote the book on them, literally.

**NO OTHER CONSULTANT KNOWS  
MORE ABOUT THE CURRENT  
CONDITION OF THE AIRPORT'S NON-  
TERMINAL FACILITIES THAN MR.  
CARRIGAN. HE WROTE THE BOOK  
ON THEM, LITERALLY.**

Supporting Mr. Carrigan on this assignment will be a team of RS&H's buildings and civil engineers and designers with extensive past BCAD project experience. The team of engineers includes **Mr. Joe Barbera, PE** (serving as Civil Engineering Discipline Leader).

Mr. Barbera has served as the Project Manager for RS&H over the last five years for several airfield and other civil engineering projects, including North Perry Perimeter Security Improvements.



The team also includes

**Mr. Terry Kagler, PE**

(serving as Electrical Engineering Discipline Leader and Data/Communications/Technology Design Leader). Mr. Kagler

has served as RS&H's Project Manager for all engineering services for the recent FLL Terminal Connectors, as well as operating as Lead Electrical Engineer on Terminal 2 Modernization, as well as numerous other FLL related electrical, communications, and security projects. The complete team of key RS&H professionals on the Cartaya Team is identified in the organizational chart at the end of this section, with their detailed qualifications and relevant experience provided in the team resumes also provided at the end of this section.



### **Jacobs Engineering Group | Structural Engineering, Threshold Inspections, Signage & Wayfinding, Baggage Handling and LEED/Commissioning**

Jacobs Engineering Group, Inc. (Jacobs), has nearly six decades of experience in commercial service, general aviation, military, and aerospace facilities, delivering airport planning, architecture, engineering, program and construction management, consulting, and specialty services worldwide. Jacobs has held contracts at airports worldwide, including 25 of the Top 30 U.S. airports.

Led by **Mr. Luis Olivares, PE**, Jacobs will provide Structural Engineering, and other specialty aviation systems disciplines. Mr. Olivares has 33 years of experience and a proven track record of successful project delivery, profitable operations, and satisfied clients in the aviation industry. He has worked on numerous airport development and other transportation projects at major U.S. airports and in international markets.



Jacobs has planned, designed, and supervised the construction of thousands of airport projects throughout the United States including Fort Lauderdale-Hollywood International Airport.



Jacobs' project management personnel includes Structural Engineer, **Mr. Brett Rowan, PE.**

Mr. Rowan has thirteen years of engineering experience projects for industrial, manufacturing, and commercial clients. Specifically, his aviation experience includes developing design criteria, conceptual, and detailed design; developing structural load requirements; conducting site investigations; preparing construction documents and engineering reports; and providing estimating, review of structural shop drawings and product submittals, and construction inspections. Brett's knowledge and understanding of steel, concrete, masonry, precast, prestressed, pre-engineered metal buildings, and post-tensions construction systems allows for innovation in design, which lowers total life-cycle costs of the facility.



As part of the other specialty services Jacobs' is providing, Mr. John Heard, Mr. Daniel King, Mr. Kevin Regalado and will also be key members of the Cartaya Team.



Mr. Heard will be providing Baggage Handling Services. With over 27 years of experience in the aviation industry, Mr. Heard thoroughly understands the detailed requirements for successfully operating complex automated

baggage systems. As a project manager, Mr. Heard runs and manages projects from beginning to end. His project experience is in a broad range of baggage handling projects and includes both small and multi-million dollar, totally integrated common use domestic and international systems. His experience includes both new terminals and complex renovations.



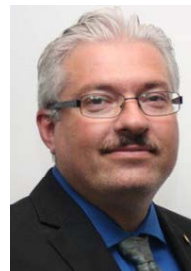
Joining Mr. Rowan in structural engineering efforts will be **Mr. Stace McComb, PE.** Mr. McComb has extensive experience designing and managing projects for aviation, federal, military departments, warehouse and distribution

facilities, among others. Mr. McComb considers seismicity and other climatic, environmental conditions when performing analysis and design of projects and has developed programs to improve and generate better communication between the owner, architect, contractor, and consultants to facilitate project advancement and address issues relating to compliance and project needs.

Additionally, Mr. Michael Weaver, PE will provide Threshold Inspection Services. Mr. Weaver has 21 years of structural engineering experience providing design for building structures for the private and public sectors. Specifically, his experience includes design with steel, concrete and masonry.



Mr. King will provide Signage and Wayfinding Services. Mr. King brings 30 years of hands-on, real world design/build experience and a value-added approach to his role. His deep knowledge of design, fabrication, installation, materials, cost estimating and value-engineering, coupled with in-the-field project management, adds valuable insight throughout the entire design and implementation process. Dan is a professional member, Society for Environmental Graphic Design (SEGD).



LEED Commissioning will be provided by Mr. Regalado who has 30 years of experience in architecture design, master planning, preparation of construction documents, project management and construction administration. His experience includes the design of mixed-

use projects, aviation facilities, industrial facilities, transportation facilities, educational facilities, office buildings, commercial, and large-scale multi-family projects for both public and private clients.



## **Keith & Associates, Inc. | Surveying, Subsurface Utility Engineering, Landscape Design, Civil Engineering Support**

Cartaya is pleased to include Keith & Associates, Inc. (KEITH) on our team; a local Broward County firm incorporated as a Florida corporation in 1998. KEITH is a Broward County firm who has performed more survey services than any other firm at FLL. They have also performed inspection services for a number of critical airport projects, such as the Airfield Modifications and Airfield Capacity Enhancements and the Taxiway "C" West Reconstruction project, and that team will be the same for this assignment. KEITH will lead all surveying, subsurface utility engineering (SUE), landscape design as well as provide supporting services in civil engineering and construction inspection and resident project representative (RPR) roles as volume of project work dictates. As a mid-size closely-knit firm, they provide civil engineering, construction management, comprehensive planning, landscape architecture, surveying and mapping, and subsurface utility engineering services. The firm was founded on the principal of achieving success by combining the latest technology with client oriented business practices, and a staff of experienced and talented professionals. They are also involved in the construction management of Terminal 4 expansion at FLL and the new BCAD Maintenance Facility.

### **KEITH HAS PROVIDED EXTENSIVE SURVEY & SUE SERVICES ON FLL'S PERIMETER SECURITY FENCE LINE AND AREAS OF TERMINAL CONNECTORS.**

The firm's team of experts has extensive past and ongoing experience with both large-scale private and public sector projects, including many at FLL. In fact, for the past six years they have served as the Utilities General Consultant for BCAD. Their staff combines the technical work experience of over 45 professionals, each with an extensive working knowledge of local and regional projects. This convergence of experience has resulted in the development of a tremendous database of

knowledge and information concerning local, past and ongoing projects at and around FLL, which is an invaluable asset in foreseeing and avoiding pitfalls and expediting projects for BCAD.

KEITH has had the opportunity to work with both Cartaya and RS&H, as a subconsultant, on a myriad of projects over the last five years at FLL and HWO. They have provided senior level staff in management and responsible positions on projects throughout the airport in a seamless delivery and cohesive team effort. In the last five years with Cartaya and RS&H, KEITH has expanded its staff, services and strengthened their abilities to serve Broward County as a whole from their local office.

Their senior management personnel, specifically **Mr. Alex Lazowick, PE, PMP**, is committed to personally managing and coordinating the supporting efforts for this assignment and will be the primary contact for all supporting efforts related to this very important engagement. As a "hands on" principal, who regularly is intimately involved in the daily workings of ongoing projects, Mr. Lazowick has proven his ability to get projects completed on time, permits approved expeditiously and problems solved quickly. It is this personalized level of service that distinguishes the quality that KEITH regularly provides to BCAD and Broward County. Some representative examples of Mr. Lazowick's recent BCAD project experience includes work under KEITH'S Utilities General Consultant for BCAD and the FLL Perimeter Security Fence Lines and areas of Terminal Connectors as part of the Cartaya Team's Professional Consultant Services for FLL and HWO.



## **MacFarland-Johnson, Inc. | Airport Master Planning, Terminal Planning and Airport Modeling, Blast Analysis**

MacFarland Johnson (MJ) understands the unique challenges facing airports today as the industry continues to respond to the impacts of a global pandemic. These challenges are far reaching and include: dramatically shifting passenger



and operational activity, airside and landside constraints; environmental challenges; facility and financial planning within an extremely fluid industry; and compliance with changing security and safety requirements. They also understand that careful planning is critical to balance the need to provide a safe, efficient and cost-effective airport facility that best serves aviation customers with the need to be a good neighbor and resident of the community.

### **MJ HAS WORKED WITH BCAD ON OVER 29 AIRSIDE, LANDSIDE AND BUILDING/FACILITIES PLANNING PROJECTS AT FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AND NORTH PERRY AIRPORTS**

Broward County faces these same challenges and MJ has worked with BCAD on over 29 airside, landside and building/facilities planning projects at Fort Lauderdale-Hollywood International and North Perry Airports. This includes projects from airside apron and facility modeling, to landside roadway and terminal curb planning, and specialty terminal building blast analyses and simulations.

Their familiarity with the operational procedures, capital programs and overall conditions of each airport allows them to provide the innovative solutions required to meet BCAD's needs for building and facilities planning support. These innovative solutions are born from the knowledge base that we have gained through our 75 years of working at numerous commercial service and general aviation facilities across the nation, along with the local experience and practical knowledge that our key aviation staff members bring to this contact. They have completed hundreds of airport planning projects at general aviation and large hub commercial service airports nationwide and have experience delivering quality, actionable and strategic planning projects using advanced technologies that enhance responsiveness and provide flexible deliverables that can quickly adapt to unforeseen changes.

Leading the MJ efforts will be **Mr. John Mafera** who is a highly-motivated airport consulting

professional with over 23 years of unique airport planning, design, project and program management experience. Mr. Mafera has had direct experience across a broad spectrum of client types and airport issues. He understands the extremely high level of team coordination and client responsiveness necessary to successfully complete multi-disciplinary airport projects. Mr. Mafera has specific project experience including; programmatic documents, strategic airport development plans, airport business and commercial development plans, airport master plans, airport land use and compatibility planning, intermodal network planning and site layouts, eALP and ALP updates, noise compatibility studies, airport site selection and feasibility studies, heliport design, environmental assessments, EMAS and runway safety area studies, aviation forecasting, airport capacity studies, instrument approach and flight procedure planning, and airspace and obstruction analyses. His experience includes many projects at FLL such as:

- Airport Master Plan Review and Advisory Services, Broward County Aviation Department (BCAD)
- FLL Commercial Aircraft Gate Change Review Process, Fort Lauderdale-Hollywood International Airport
- FLL Terminal Connectors Bomb Blast Analysis
- FLL On-Site Supplemental Planning Support Services
- FLL Purpose and Need Documentation for Landside Projects
- Phase 1 Dynamic Master Plan Interface,



### **HDR, Inc. | Fueling System Design, Supporting Airside Civil Engineering**

Cartaya is pleased to include HDR, Inc. (HDR). HDR is a global multi-discipline firm with architecture, engineering, consulting and construction capabilities. Leading HDR's efforts will be **Mr. Cody Parham, PE**. Mr. Parham serves as the aviation market sector lead for HDR's operations in Florida. In this role, he is responsible for client service



and execution of strategic growth plans for the aviation market. He works with project managers and client service leads to deliver high-quality planning, design, and construction services for his clients. His recent work at FLL includes Terminal 4 Apron Civil Works.

Leading their fueling system design on this assignment, **Mr. Jeremiah L. Ferguson**, has over 30 years of experience in the design of fuel terminals, tanks, piping, including both commercial and Department of Defense (DoD) systems. Mr. Ferguson has completed numerous designs of aviation fueling facilities, liquid petroleum pipelines and fleet vehicle fueling facilities, who supported design of the FLL CONRAC fueling system.



### **Delta G Consulting Engineers, Inc. | Supplemental MEP/Fire Protection**

Delta G Consulting Engineers, Inc. (Delta G) was founded in 1992 and is a full-service consulting engineering firm dedicated to providing clients with the highest quality Electrical, HVAC, Plumbing and Fire Protection engineering services. As a local CBE firm, they will provide supplemental engineering on smaller scaled scopes. They have a very successful record of providing Mechanical, Electrical, Plumbing and Fire Protection engineering services and construction documents for over 6,000 projects with a vast portfolio of projects that range from simple to very complex.

Their team will be led by Mr. George San Juan PE, LEED AP. Mr. San Juan is the founder and the President of Delta G with over 34 years of experience as an electrical engineer, project manager and principal in charge. His project experience at FLL includes:

- FLL EOC Build Out
- FLL Concourse A Barrier
- FLL Credentialing Office



### **S & F Engineers Inc. | Supplemental Structural Engineering**

S&F Engineers has been providing quality engineering services since 2001 and will provide supplemental structural engineering services as a local CBE team member. Their effort will be led by their principal and founder, Mr. Sri S. Sritharan, P.E., who 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. The firm has completed and is currently involved in numerous projects at the Fort Lauderdale/Hollywood International Airport like the Concourse A Barrier and Terminal 1 Concourses B & C Window Repairs.



### **CMS-Construction Management Services, Inc. | Cost Estimating and Scheduling**

CMS Construction Management Services, Inc. (CMS) is a local Broward County company that was incorporated in 1980 and whose services include construction management, owner's representative and cost estimating/cost control services. CMS is a certified Broward County CBE company, with clients including governmental agencies such as cities, counties, school districts and airports, including FLL, performing its services with an impeccable track record.

Leading their cost estimating and scheduling services on this assignment, Mr. Keith (Armon Phillip) Emery, has over 40 years of experience in construction management and cost estimating, including specific project experience for BCAD at FLL. CMS has provided cost estimating services on numerous airport projects, including conceptual estimates for Terminal Modernizations at Terminals 1, 2 and 3. Additionally, Mr. Emery, working with RS&H's John Carrigan, is performing cost estimating services for the BCAD Public Safety Facility Design



Criteria Package. Mr. Emery's representative qualifications and relevant experience include the following projects:

- FLL Terminal Connectors
- FLL Garage Repairs
- FLL Credentialing Office
- FLL Terminal 4 Post Security Improvements

### **Tierra South Florida, Inc. | Geotechnical Investigation and Construction Materials Testing**

Tierra South Florida, Inc. (TSF) is a full service consulting geotechnical engineering and construction materials testing firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. TSF's professional team has been working together since 2000 and is committed to providing quality, responsive service establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. TSF has extensive and far reaching experience at 18 airports in South Florida, including FLL and HWO as well as Fort Lauderdale Executive Airport and Pompano Beach Airport.

Leading their geotechnical investigation and construction materials testing on this assignment, **Mr. Raj Krishnasamy, PE**, has over 25 years of experience in geotechnical investigations and construction materials testing, including specific project experience for BCAD at FLL and HWO. Mr. Krishnasamy, in addition to being the geotechnical project manager on a \$1.2B multimedia super-corridor project, has the following representative qualifications and other relevant projects such as FLL Terminal Connectors and the FLL Perimeter Security Project as part of the Cartaya Team.



### **AirQuest Environmental, Inc. | Environmental Investigation**

AirQuest Environmental, Inc. (AirQuest) is a local Broward County CBE company that was

incorporated in 2002. Their services include asbestos, lead based paint, industrial hygiene, radon, mold, indoor air quality, safety and select environmental consulting services. AirQuest has provided industrial hygiene and environmental services to federal and state agencies at locations throughout the United States and overseas. AirQuest embraces continual improvement and focuses on "scope, schedule and cost," the language of our clients.

Leading their environmental services on this assignment, **Ms. Traci-Anne Boyle, MBA, CIH, CSP, LAC**, has over 20 years of experience in environmental investigations, including specific project experience for BCAD at FLL. Ms. Boyle's representative qualifications and recent experience includes the FLL Terminal 1, Terminal 4, Airport Security Building and G&G Building Re-Roofing and Noise Mitigation Program Consulting Services for the addition of a runway at FLL



### **Miller Legg & Associates, Inc. | Environmental Engineering Consulting**

Miller Legg, established in 1965, is a local Broward County company. Miller Legg has provided environmental consulting and engineering to a variety of clients, including transportation, municipal and county government. Miller Legg's services include: jurisdictional determinations, wetland investigations, environmental due diligence, mitigation feasibility studies, environmental permit processing, remediation action plans, and regulatory compliance evaluations.

Leading their environmental engineering and permitting services, **Mr. Dylan Larson, PWS, CEP, CLI**, has over 20 years of experience in environmental engineering and permitting, including specific project experience for BCAD at FLL. Mr. Larson, working with RS&H's John Carrigan, performed the environmental permitting and tree remediation for the demolished Hilton Airport Hotel and



adjacent Nautical Ventures buildings, as well as the Gulfstream Hangar in preparation for the expansion of Runway 10R-28L for BCAD. Mr. Larson's representative qualifications and relevant experience includes FLL South Runway Project, FLL Multi-Building Demolition Packages for Expansion of Runway 10R-28L, City of Ft. Lauderdale Executive Airport (FXE) Parcels B, C & D Permitting

### **CTS Engineering, Inc. | Transportation Data Collection**

CTS Engineering, Inc. (CTS) is a South Florida based company that offers full transportation services with state-of-the-art technology solutions to its clients. CTS offers a wide array

of transportation planning and data collection, and traffic engineering and will be led by **Mr. Sheng (Sam) Yang, MS, PE, PTOE**, with over 11 years of experience. Mr. Yang has served Florida DOT and many other local governments, providing professional services, including transportation data collection. Mr. Yang has the following relevant project experience:

- District-Wide Data Collection, FDOT District 4
- SR 7 Road Transit Corridor PD&E Study, FDOT District 4
- Glades Road PD&E Study, FDOT District 4



---

### **Professional Personnel**

The Cartaya Team includes seasoned industry veterans with extensive experience in all anticipated facets of this assignment. Our Team's professionals have tremendous experience in design, bidding and permitting, construction administration, cost tracing and control, RPR services, building assessments, and demolition at Fort Lauderdale-Hollywood International and other airports. We also have tremendous experience with other relatable entities similar in size and complexity. Each associate was carefully selected to fully maximize the special qualifications and professional experience of each person as it relates to this assignment. Each of the key personnel on the Cartaya Team described in this section has demonstrated outstanding performance on past projects at FLL and HWO. The Cartaya Team has relatable project experience to this assignment that allows the Team to "hit the ground running."

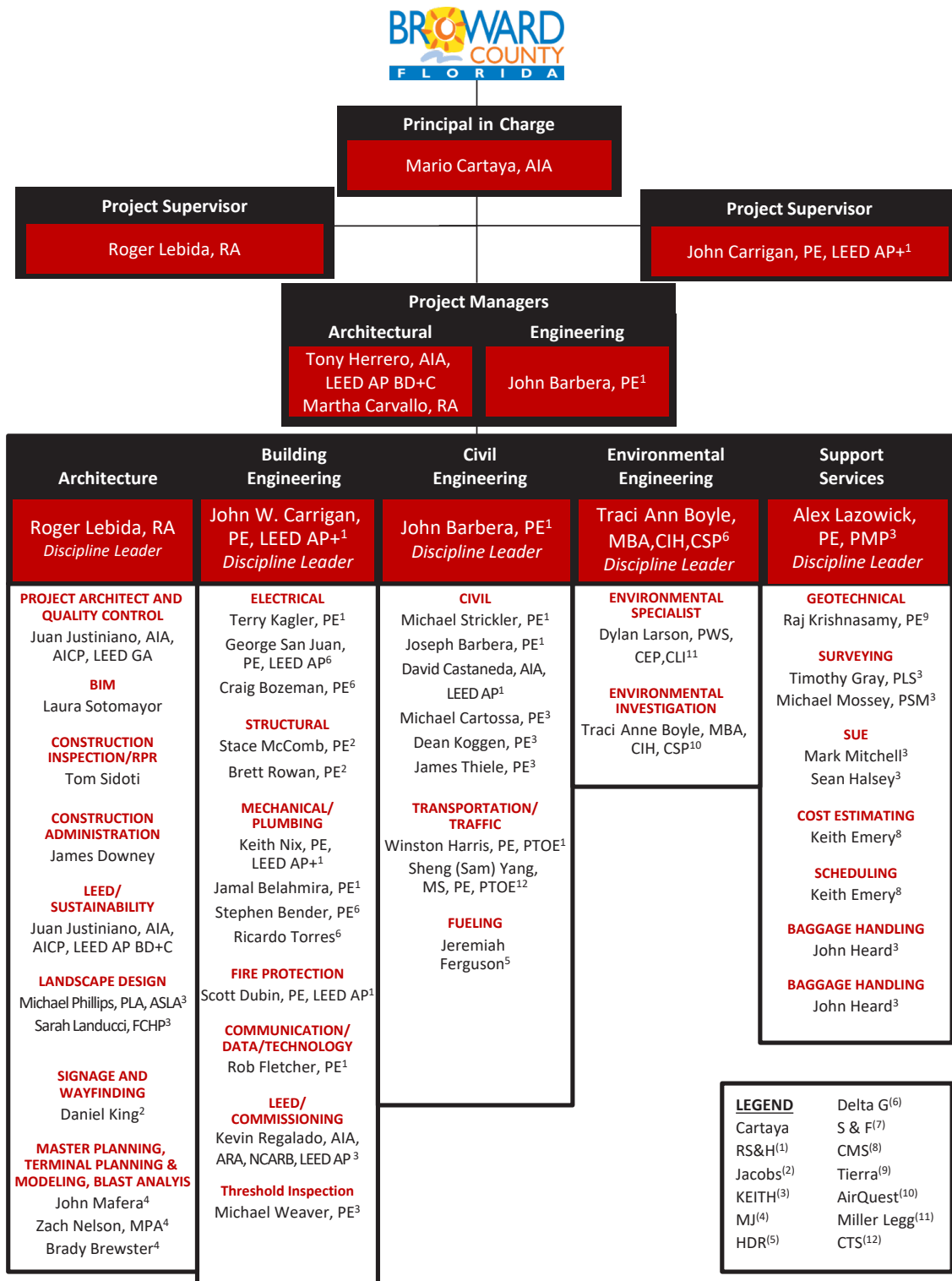
## **THE CARTAYA TEAM HAS RELATABLE PROJECT EXPERIENCE TO THIS ASSIGNMENT THAT ALLOWS THE TEAM TO "HIT THE GROUND RUNNING."**

Since the Cartaya Design Team has been working on the Vertical Building Continuing Services Contract with BCAD since 2015, there will be no learning curve with continuing ongoing projects or starting new projects. Moreover, the vast majority of the projects in this assignment will be undertaken by personnel working out of offices located in Broward County, within minutes of FLL and HWO airports.

## **THE CARTAYA TEAM WILL EXECUTE THIS ASSIGNMENT WITH 34% CBE PARTICIPATION, EXCEEDING THE 30% GOAL.**

The assignment's organizational chart on the (following page) illustrates the roles and relationships of the Cartaya Team's key personnel, with their resumes immediately following to demonstrate their qualifications and relevant experience to this assignment.







The following pages are provided to clearly illustrate how each member of the Team will be utilized for this assignment. The professional services and project types listed are taken directly from this RFP (Exhibit 1, Sections 1, 3, 4, and 5), so the Team's experience and depth of services provided is clear.

**1. Broward County is seeking a CONSULTANT to provide professional architectural/engineering services that may include:**

1. Broward County is seeking a CONSULTANT to provide professional architectural/engineering services that may include:

Category	Cartaya	RS&H	Jacobs	Keith	MacFarland Johnson	HDR	Delta G	S & F	CMS	Tierra	AirQuest	Miller Legg	CTS
a. Pre-Design Services	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	
b. Design Services	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	
c. Reports	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆
d. Code Search	◆	◆	◆	◆	◆	◆	◆	◆			◆	◆	
e. Assessments	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	
f. 3D Modeling	◆	◆	◆	◆	◆	◆		◆				◆	
g. Renderings	◆	◆			◆	◆						◆	
h. Schematic Design	◆	◆	◆	◆	◆	◆	◆	◆				◆	
i. Design Development	◆	◆	◆	◆	◆	◆	◆	◆				◆	
j. Construction Documents	◆	◆	◆	◆	◆	◆	◆	◆			◆	◆	
k. Construction Administration	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	
l. Resident Project Representative	◆	◆	◆	◆	◆	◆						◆	
m. Cost Estimation					◆	◆	◆	◆				◆	
n. Project Management Professional Services	◆	◆	◆	◆	◆	◆	◆	◆				◆	

◆ Experienced services to be provided

○ Past project experience specific to FLL/HWO

**3. The CONSULTANT(S) scope of work may include all professional services necessary to perform the following:**

3. The CONSULTANT(S) scope of work may include all professional services necessary to perform the following:

Category	Cartaya	RS&H	Jacobs	KEITH	MacFarland Johnson	HDR	Delta G	S & F	CMS	Tierra	Miller Legg	AirQuest	CTS
a. Architectural Design Services	◆○	◆○		◆○	◆○							◆○	
b. Interior Design	◆○	◆				◆○					◆○	◆○	
c. Civil Engineering		◆○		◆○				◆○			◆○		
d. Structural Engineering		◆○		◆○		◆○	◆○						
e. Electrical, Mechanical, and Plumbing Engineering		◆○		◆○		◆○							
f. Geotechnical Engineering				◆○						◆○			
g. Environmental Engineering		◆○									◆○		
h. Surveying											◆○		
i. Subsurface Utility Engineering (SUE)							◆○				◆○		
j. Fire Protection Design		◆○					◆○				◆○		
k. Telecommunications, CCTV & Data Engineering		◆○					◆○						
l. Fuel System Design						◆○							
m. Lighting System Design		◆○					◆○						
n. Permitting/Obtaining Jurisdiction Approvals	◆○			◆○		◆○	◆○	◆○			◆○		
o. Cost Estimate	◆○	◆○		◆○		◆○			◆		◆○		
p. Preparing 3D Renderings	◆○	◆○		◆○								◆	
q. Bid Award Assistance	◆○					◆○	◆○	◆○	◆○				
r. Commissioning including LEED certification	◆	◆				◆	◆	◆					
s. Infrastructure/Equipment Evaluations	◆○	◆○		◆○		◆○	◆○	◆○					
t. Building Information Modeling (BIM)	◆○	◆○		◆○		◆○	◆○	◆○	◆○			◆○	
u. Construction Inspections Services	◆○	◆○		◆○		◆○	◆○	◆○	◆○	◆○			
v. Blast Analysis and Design Services				◆○					◆				
w. Building Flood Proofing Design Services	◆○	◆○						◆					
x. Feasibility Assessments	◆○	◆○				◆○	◆○	◆○	◆○				
y. Traffic Engineering Studies	◆○	◆○				◆○	◆○	◆○	◆○				◆○

◆ Experienced services to be provided

○ Past project experience specific to FLL/HWO

**4. The projects that will be developed under the scope of services above are:**

4. The projects that will be developed under the scope of services above are:

Category	Cartaya	RS&H	Jacobs	KEITH	MacFarland Johnson	HDR	Delta G	S & F	CMS	Tierra	AlQuest	Miller Legg	CTS
a. Surveying				◆○								◆○	
b. Building Assessments	◆○	◆○	◆			◆○	◆○	◆○			◆○		
c. 40 Year Building Inspections	◆○	◆○	◆	◆		◆○	◆○	◆○		◆○	◆○		
d. Rehabilitation and upgrades of Hibiscus Garage & Cypress/RCC Garage	◆○	◆○	◆	◆		◆○	◆○	◆○	◆○	◆○	◆	◆	
e. Rehabilitation of the North, East & West Airport Buildings. Including HWO	◆○	◆○	◆	◆		◆	◆○	◆○	◆○	◆○	◆	◆	
f. Rental Car Center Garage Upgrades	◆○	◆○	◆	◆		◆○	◆○	◆○	◆○	◆	◆		
g. Vacant /Abandoned Building Demolition	◆○	◆○	◆	◆			◆○		◆○		◆		
h. Enhancement on security employee and vehicular screening infrastructure project	◆○	◆○	◆	◆			◆○	◆○	◆○				
i. Security Infrastructure Improvements	◆○	◆○	◆	◆	◆		◆○		◆○	◆○	◆		◆
j. In-line Baggage Systems	◆○	◆○	◆		◆		◆○	◆○	◆○		◆		
k. Terminal and Building Modernization/Upgrades	◆○	◆○	◆	◆○	◆	◆	◆○	◆○	◆○	◆○	◆		
l. Pedestrian Boarding Bridges Replacements	◆○	◆○	◆		◆		◆○	◆○	◆○	◆○	◆		
m. Long-term Infrastructure Equipment	◆	◆○	◆				◆○	◆○	◆○		◆		

◆ Experienced services to be provided  
○ Past project experience specific to FLL/HWO

NOTE: The Cartaya Team members are highlighted above if anticipated scope may require their services. If they have provided a similar scope of services on FLL/HWO projects, then that is indicated.

## 2. Project Approach

***Describe the prime Vendor's understanding and approach of providing Professional Services, understanding of Scope of Work and its approach to manage multiple Work Authorizations/ projects under the Agreement. Include how the prime Vendor will use and assign subconsultants. Describe the project management approach and abilities to work with multiple subconsultants.***

The Cartaya and Associates Architects, P.A. (Cartaya) Team believes that the successful execution of professional consulting services is dependent upon the efforts of a dedicated team of professionals working together in a unified effort with Broward County Aviation Department (BCAD) staff. The Team's approach to this assignment is to continue ongoing successful partnerships at the Airport between Cartaya and its existing subconsultants on the Professional Consultant Services for Fort Lauderdale-Hollywood Airport and North Perry Airport, Building Projects assignment while bringing in established industry leaders to strengthen our team. Leading this Team of professionals with regards to design will be Principal-In-Charge, **Mr. Mario Cartaya, RA**, who will over his over 25 years of experience on Fort Lauderdale-Hollywood International Airport (FLL) projects. **Aviation Director Roger Lebida, RA** will provide superior leadership and management guidance to the Team's efforts on this assignment. In the prime role on the Team, Cartaya will administer the master agreement and all project work authorization contracts with Broward County Aviation Department (BCAD) and will hold all contracts with the Team's subconsultants. As noted above, overseeing overall team project management duties on this assignment will be Cartaya's Aviation Director, Mr. Roger Lebida, RA. Overseeing engineering efforts will be, Mr. John W. Carrigan, PE, LEED AP+ of RS&H.

### **MORE IMPORTANTLY, MR. CARRIGAN AND MR. LEBIDA WILL SERVE AS AN EXTENSION OF BCAD STAFF.**

This Team arrangement allows BCAD to reap the benefits of having two highly skilled professional supervisors best suited for the project at hand. Mr. Carrigan and Mr. Lebida will serve as an extension of BCAD staff. They will lead the team on all projected projects of this Professional Consulting Services (PCS) assignment, many



of which are similar to Mr. Lebida's and Mr. Carrigan's past FLL project experience. While all professional consultants recognize the responsibility to handle the large projects, the Cartaya Team views this service as being one of providing the resources and technical specialists to supplement BCAD staff on any size project no matter how large or small. As such, we have included Jacobs Engineering Group in our team to further enhance our airport expertise. Jacobs has nearly six decades of experience in commercial service, general aviation, military, and aerospace facilities, delivering airport planning, architecture, engineering, program and construction management, consulting, and specialty services worldwide. Jacobs has held contracts at airports worldwide, including 25 of the Top 30 U.S. airports. Jacobs offers expertise across all core facilities, planning, airside, landside, construction management, and specialty aviation systems disciplines. Jacobs has planned, designed, and supervised the construction of thousands of airport projects throughout the United State including Fort Lauderdale-Hollywood International Airport.

The Team recognizes that the majority of the anticipated projects in this assignment require a more "nuts and bolts" design approach, bringing straightforward, practical architectural and engineering design solutions while assessing, repurposing and rehabilitating existing Airport

facilities and designing new ones. As such, the Cartaya Team efforts will be custom-tailored utilizing staff with as practical of an approach as needed to support BCAD's execution of all projects which all under this contract. Furthermore, managing Cartaya's day to day architectural efforts on this assignment will be Architectural Project Managers Mr. Tony Herrero, AIA, LEED AP BD+C and Ms. Martha Carvallo, RA. Mr. Herrero will manage the more significant and complex project which require more coordination with airlines, consultants and County staff. Ms. Carvallo will manage smaller to medium scaled efforts which have less players and require less coordination.

The Cartaya Team's overriding orientation is that of providing insight and quality service. This means quality in every aspect of each individual project and in overall coordination. Technical quality, of course, means preparing documents that are practical and complete for use in the real world and that meet the actual goals and budgets for the effort. More than this, quality means proactively watching out for BCAD's best interests, continuously managing financial implications, understanding and identifying implications to the Airport for all actions, recognizing and offering alternatives and assuring the Airport operates smoothly in every aspect, and understanding how development projects under other contracts interrelate to the facilities and systems that the Cartaya team's projects address. The Cartaya Team members have as much as 25 years of experience at FLL, as well as ten years of recent experience working collaboratively together on FLL and North Perry Airport (HWO) buildings projects and will continue to expand on the unique knowledge and insight this experience brings.

**THE CARTAYA TEAM HAS DEVELOPED A SUCCESSFUL ON TIME & ON BUDGET TRACK RECORD OVER MANY YEARS AT THE FORT LAUDERDALE/INT'L AIRPORT & WORKS DILIGENTLY WITH BCAD AND CONTRACTORS TO BRING PROJECT ASSIGNMENTS IN UNDER BUDGET.**

Financial sensitivity is one of the hallmark skills for a successful professional consultant. Helping BCAD staff in the development and implementation of a progressive and viable Capital Improvement Program (CIP) is a service often initially not requested, but usually proves to be viewed as an extremely valuable service. The Cartaya Team has developed a successful on time and on budget track record over many years at the Fort Lauderdale-Hollywood International Airport and works diligently with BCAD and Contractors to bring project assignments in under budget. Regular communication and updating the BCAD staff of the projects' financial status has proven invaluable to BCAD's utilization of the project budget to accomplish its CIP goals. The Cartaya Team intends to continue this successful project budgeting and bring it forward into this PCS assignment. Integral to this effort is accurate cost estimation during all phases of a project and establishment of realistic budgets so a reliable and consistent CIP can be maintained.

All aspects of the Airport in today's operating environment must be considered by your Consultant. Uninterrupted operations, unequaled safety standards and uncompromised security are the beginning of such considerations. The Cartaya Team also considers user needs and property implications, such as leasehold impacts, environmental standards, sustainability/LEED principles, economic viability, community self-image, and good neighbor policies.

To provide these all-encompassing services, the Cartaya Team Principal-in-Charge and Project Managers will call upon the capabilities and resources of the entire team. This includes architects, engineers, planners and environmental specialists, all with aviation experience and expertise. How will this be accomplished? The following are general practices to assure effective service:

1. The Cartaya Team selects experienced discipline leaders who are available for the duration of the assignment.
2. The Cartaya Team understands and will continue to follow BCAD's standards for Revit, BIM, and CAD deliverables, filing system,



work quality and invoicing and contracting procedures.

3. The Cartaya Team establishes and maintains a central file system for all correspondence, documents, drawings, calculations, computer data and analyses.
4. The Cartaya Team continuously monitors, through the discipline leaders and Project Managers, the progress and quality of all projects to immediately identify and address potential problems.
5. The Cartaya Team establishes an internal Quality Control Group made up of senior personnel familiar with Airport projects to review all submittals before submittal and presentation to BCAD staff.
6. The Cartaya Team uses state-of-the-art processes and computer applications, such as Revit and BIM software, cost control software and project management software.
7. The Cartaya Team is familiar with and collaborates with the appropriate government agency personnel in order to keep them abreast of all facets of the project. From grant obtainment to closeout, the Team's philosophy is to build a relationship with the agencies so that agency personnel view themselves as part of the team.
8. The Cartaya Team will continue to make the BCAD staff and the Cartaya staff each become seamless and integral pieces of the success of the team.

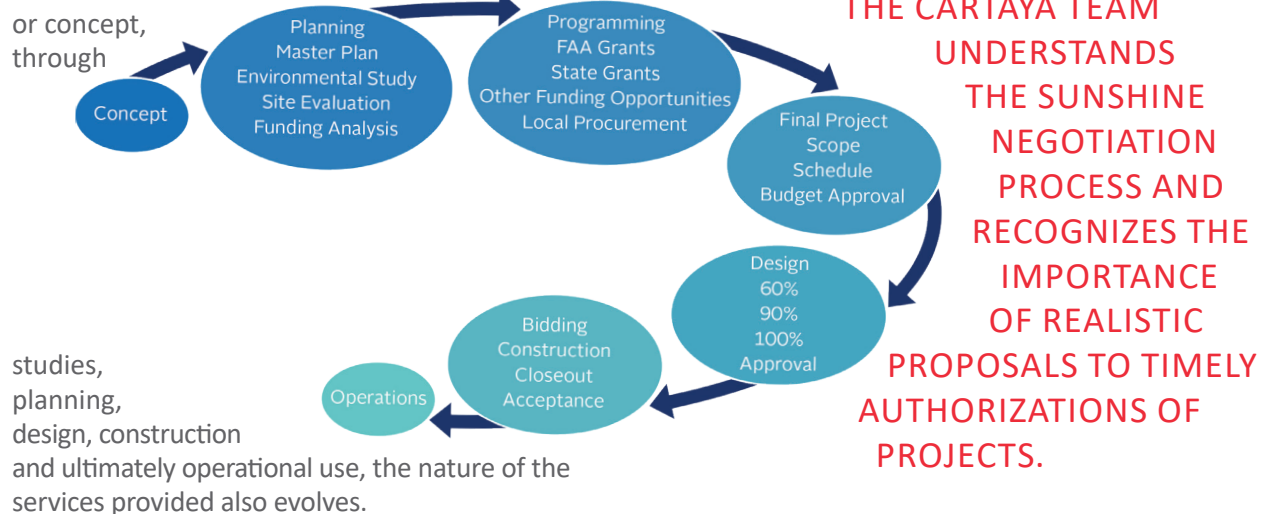
Each phase of a project requires the skills and expertise of many different professionals.

Continuity of the Project Managers and various key discipline leaders is essential to the success of the work. All disciplines that are either required or beneficial are included on this team. The following sections present the team's technical approach to the major phases of development that have been identified as likely services for this assignment.

### Planning and Programming

The planning and programming phase of a project is critical to a project's success. Sunshine meeting negotiations with BCAD staff are a critical part of this process. Positive collaboration and communication between BCAD staff and the Cartaya Team is essential. The Cartaya Team understands the Sunshine negotiation process and recognizes the importance of realistic proposals to timely authorizations of CIP projects. Working closely with BCAD, ideas must be developed into concepts, concepts developed into alternatives and alternatives developed into actions. The Cartaya Team uses its leadership in the development of industry standards and insight to produce results that are useful in the real world. The Team has experience with every anticipated project in this assignment at FLL and HWO, and will utilize this experience to thoroughly and successfully plan and program each project to execute the goals of BCAD's Capital Improvement Program.

As illustrated in the graphic below, as a project evolves from an idea or concept, through





Planning and programming efforts are unique to each project, and are too varied to provide a specific technical approach. However, in general, the Cartaya Team will plan and program projects in a collaborative effort with BCAD staff and other appropriate entities or agencies and will review as projects progress. A draft of all submittals is first provided to the BCAD Project Manager, if requested, for review prior to release elsewhere.

## Design Services

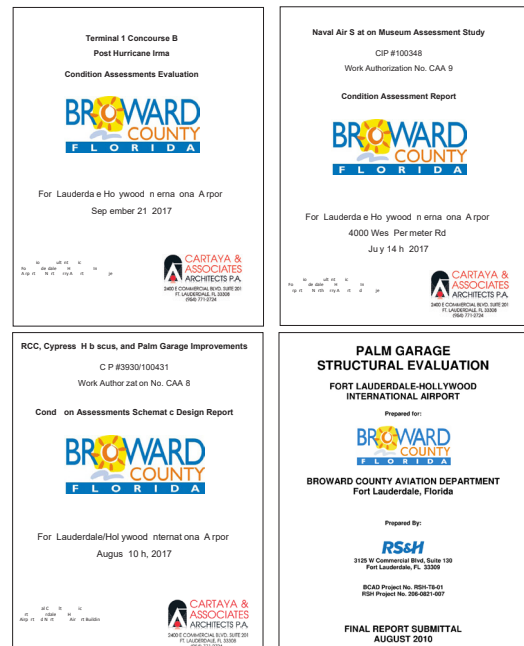
The Cartaya Team prides itself on creating beautiful designs and developing and construction documents that, in addition to being “buildable,” reflect the intended outcome of successful project collaboration between BCAD and the Team while meeting the “real world” needs of a contractor. Depending on the type of project assigned, this Team has the capability to provide excellent service from an artistic architectural concept design to a direct, “nuts and bolts” type design approach. The Team has extensive and diverse capabilities that can be tailor-made to best address the type of project at hand; from a facility’s aesthetic design concept to a replacement of a hangar’s ventilation system. The Cartaya Team has full capabilities and experience for all anticipated projects for this assignment. Designs, and ultimately the bid and construction documents, need to be coordinated with BCAD’s and Broward County’s procedural and procurement requirements, such as CAF #170 Language. The design goes beyond just meeting all industry practices, aviation standards, FAA Advisory Circulars, County requirements and building codes; it is sound enough that field corrections and change orders can be limited to well below industry norms.

**DESIGNS, AND ULTIMATELY THE BID & CONSTRUCTION DOCUMENTS, NEED TO BE COORDINATED WITH BCAD’S & BROWARD COUNTY’S PROCEDURAL & PROCUREMENT REQUIREMENTS, SUCH AS CAF #170 LANGUAGE.**

## Reports, Assessments, and Code Research

Success in design services is attained by having designers with specific FLL and HWO experience in building demolition, hangar renovations, assessments, tenant build-outs and building rehabilitations as well as any other type project that may be needed for this assignment.

The success of assessments and reports is predicated on a thorough understanding of their intended use within BCAD and the County. Careful planning and coordination with BCAD staff when scoping these projects is essential in producing a well-received, informative and useful document. Additionally, the Cartaya Team understands that these documents are used as a tool by BCAD to inform tenants of the scale of their facility maintenance obligations within their lease agreements. The accuracy of their content and forecasts is paramount.



*The team has provided reports for the assessments of garages and airport buildings.*

In dealing with existing facilities, and their renovation and expansion, code research and identifying existing conditions that are not compliant with current building codes is essential. The Cartaya Team will utilize its extensive knowledge in building assessments, design and mastery of building code requirements in all

projects to identify building components that will be required to be addressed and made compliant. The Team understands that identifying and addressing these existing code-deficient elements during design is essential to avoiding change orders during construction for their repair.

### **Renderings and 3D Modeling**

Visualization and understanding of design is best understood through renderings and three-dimensional modeling.



*From hand-sketched perspective concepts...*

The Cartaya Team will utilize BIM technology through Revit for all assigned projects, whenever practical. At the onset of a project, BIM modeling and 3D renderings will be used to visually communicate the spatial aspects of design components of the building. The Revit model, initially used for renderings and images, will be further developed by the designers throughout the design process in the production of design deliverables and construction documents. All design efforts will be conducted using the latest computer assistance. Many times, inspiration, not technical sufficiency, is the most important aspect of design. The Cartaya Team is skilled at the artistic side of design. From reflecting an architectural theme airport-wide, development of a building design expressing the self-image of the local



*... to computer generated Revit models.*

community, or working tirelessly to get a project permitted, the Cartaya Team provides well rounded and inspired professional and responsible services.

### **Schematic Design, Design Development, and Construction Documents**

The Cartaya Team approach to preparing contract documents normally begins with a schematic design phase. Sustainability and LEED concepts will be incorporated into every design project. If needed, the Cartaya Team has several LEED-certified professionals who can execute a formal LEED submission. The schematic design phase is the most critical to assure that all team members, BCAD staff and stakeholders, reviewing agencies and other key parties are in unison. This design phase ensures that the desired objectives of the project are achieved and that protocol is established relating especially to schedule adherence and quality control. This phase establishes techniques used in problem solving, record keeping standards and key contact personnel. It starts with a pre-design conference and ends with a detailed BCAD staff review of 30-percent plans (schematic design), preliminary engineer's report (if applicable) and a construction cost estimate, if needed. Anticipated problems and alternative solutions will be thoroughly identified and developed.

### **SUSTAINABILITY AND LEED CONCEPTS WILL BE INCORPORATED INTO EVERY DESIGN PROJECT.**

The final design phase consists of 60-percent (design development) and 90-percent submittals for BCAD staff and review agency consideration. After all comments and concerns are addressed, 100-percent construction documents are produced. Coordinated and thorough Construction Documents allow for better understanding of the project by bidding contractors and more accurate bids. Each submission is reviewed with BCAD staff and other appropriate agency personnel. The final product consists of detailed construction drawings, specifications, instructions to bidders, bidder's proposal form, general provisions, special provisions, appropriate CAF #170 language, cost estimate and engineer's report (if appropriate).



### Quality Control

For each stage of development, a Quality Control Group reviews all documents and their comments are incorporated prior to submission to BCAD.

Overall quality control review is accomplished by:

1. Systematic checking within a discipline
2. Interdisciplinary document review for design coordination
3. Independent project peer review of various types
4. Constructability review
5. Value engineering



This Quality Control process involves review from the design, operational, cost, and constructability standpoints of the project. It is typically performed by senior project team members, as well as individuals who have no involvement with the project, in order to obtain an independent, objective review. The Cartaya Team will incorporate a standardized Quality Assurance / Quality Control process into every project. The process involves a number of procedures geared toward creating a product that will enable a construction effort with minimal issues and will allow the BCAD staff to focus on other more pressing issues that affect the Airport.

**THROUGHOUT THE ENTIRE PROCESS, FROM CONCEPT TO BID AND AWARD, THE CARTAYA TEAM'S PRIMARY GOAL DURING DESIGN SERVICES IS TO SUCCESSFULLY EXECUTE THE ELEMENTS OF THE CIP IN A COLLABORATIVE EFFORT WITH THE BCAD PROJECT MANAGER AND STAFF.**

Design services conclude with bidding services including attendance at pre-bid meetings, responses to bidders' questions, production of addenda (as necessary) for submission to Broward County Purchasing for issuance, assistance (if requested) in reviewing Broward County Purchasing's prepared bid tabulations and recommendation for award. Throughout the entire process, from concept to bid and

award, the Cartaya Team's primary goal during design services is to successfully execute the elements of the Capital Improvement Program in a collaborative effort with the BCAD Project Manager and staff.

### Construction Administration and Resident Project Representative Services

The construction phase marks the beginning of the most significant expenditure of the project's funds. It is the time when an excellent Professional Consultant shows its value. The design effort has set the stage for successful construction, now construction services must execute the assignment.

Knowing how to work with contractors is critical. A Professional Consultant must know how to understand a contractor's perspective and use it to the advantage of BCAD. A Professional Consultant must always be a steward and advocate of BCAD's best interests.

The Cartaya Team approach is to have the design architects and engineers for a specific project continue as the same basic team through the construction phase, thus fully utilizing their knowledge and understanding of the project. Several important considerations occur during the



*Mr. Herrero and RS&H currently provide CA and RPR services.*

construction phase of a project. Operations of the Airport must not be impacted, safety and security must not be compromised and the construction effort must be kept moving. Delays and changes must be avoided. The project must proceed as

scheduled, monitored and closed out in a timely fashion.

Construction services can be generally separated into construction administration (CA) and resident project representative services (RPR). CA, in general, is the designer checking and monitoring the construction to ensure what is being supplied and built is what was specified and designed. CA consists of attendance at a preconstruction conference, periodic visits to the construction site to monitor progress and quality of work, attending needed construction meetings, taking appropriate action on shop drawings and other submittals, preparation of change orders, reviewing laboratory and testing results, providing design clarifications, evaluating contractor substitution proposals, reviewing contractor applications for payment, performing substantial completion inspections, obtaining written warranties, and preparing closeout documents including record drawings.

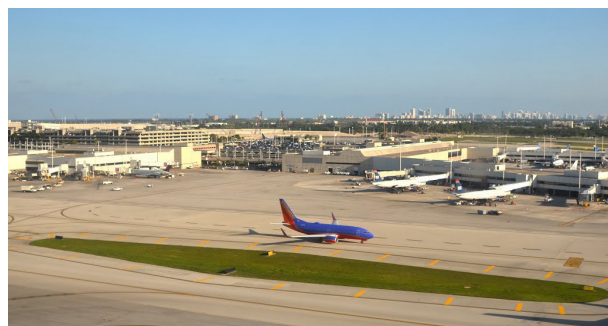
**THE CARTAYA TEAM HAS PERFORMED  
THIS SERVICE FOR SEVERAL FLL  
PROJECTS AND HAS EXPERIENCED  
AVIATION RPR STAFF TO BE ASSIGNED  
WITH SPECIFIC FLL PROJECT  
EXPERIENCE, IF THESE SERVICES ARE  
REQUESTED.**

If BCAD wishes for the Cartaya Team to provide RPR services, then closer monitoring of the contractor and construction effort would result. Services would consist of arranging progress meetings and job conferences, reviewing contractor progress schedules, serving as liaison between the BCAD Project Manager, contractor and affected stakeholders, administratively handling and reviewing paperwork between BCAD, the contractor and the CA team, such as change orders and contractor pay requests, performing daily inspections, keeping a daily work log and daily quantities, verifying certificates and manuals furnished by the contractor for applicability, conducting a substantial completion and final inspection, preparing and completing a punch list and providing BCAD and users start-up assistance. The Cartaya Team has performed this service for several FLL projects and has experienced aviation RPR staff to be assigned with

specific FLL project experience, if these services are requested.

**Operational, Safety, and Security Issues**

The Cartaya Team considers the operational, safety and security constraints on an airport as critical as any other issues affecting the Broward County Aviation Department (BCAD). The policies and procedures that must be in place and must be adhered to in order to ensure the safest environment possible is paramount for a Professional Consulting Services consultant to consider and provide when designing any type or size of project. Operations on an Airport from how automobile traffic flows through the Airport roadway system, how passengers flow through the terminal into the concourses, how aircraft move around the airfield and even how authorized automobile and truck traffic travels inside the Airport active operations areas is of critical importance. Our Professional Consulting Services must make sure that all Airport operations flow and operate smoothly. The Cartaya Team knows that communication with the appropriate program, BCAD engineering, operations and maintenance staffs, air traffic control and other FAA personnel, tenants and in some cases even the airlines themselves, is the single best way to affect the very best in operations, safety and security. Because the Cartaya Team has as much as twenty (20) years of work experience specifically at FLL and other



*Maintaining uninterrupted airport operations is paramount to project success.*

Broward County airports, no one has a better understanding of what is required to maintain an operationally safe airport environment, provide for the very safest construction environment and allow for uninterrupted operations.

Some of the issues the Cartaya Team will routinely encounter include:

- Landside traffic flow patterns for both ingress and egress
- Security issues both landside and airside
- Noise and dust abatement both outside and inside that affect the traveling public and aircraft
- Appropriate construction times during the year to minimize congestion landside, inside terminals and concourses, and airside
- Potential conflicts with other on-going projects
- Potential conflicts with the airlines and aircraft operations, taxiing patterns and times
- Potential conflicts with the various and sundry tenants, including garage or terminal related
- Phasing to ensure operations are not disrupted, utilities are not cut or damaged, and the tenants and traveling public is inconvenienced as little as possible

**THE CARTAYA TEAM WILL WORK  
TIRELESSLY WITH ALL INTERESTED  
PARTIES TO COME UP WITH DESIGN  
PLANS, SPECIFICATIONS AND REPORTS  
THAT MEET THE NEEDS OF BCAD, ITS  
TENANTS AND OTHER STAKEHOLDERS.**

The Cartaya Team will work tirelessly with all interested parties to come up with design plans, specifications and reports that meet the needs of BCAD, its tenants and other stakeholders. Additionally, the Cartaya Team will respond to the operational needs of BCAD while providing the safest operational environment possible without a compromise in security.

The Cartaya Team also believes that a true “consultant” will think outside of the box to bring valued services that normally may not be considered but can result in extremely valuable services. One such service usually not considered by most consultants is the assistance the Cartaya Team can provide to BCAD after destructive weather events. One example is the emergency response RS&H performed for Pensacola International Airport after hurricanes Ivan and Dennis devastated the community of

Pensacola and Escambia County and in particular, Pensacola International Airport. As soon as the storm passed, RS&H with electrical, mechanical, structural, civil engineers, an architect and a roofing consultant loaded a large motor home with relief supplies, traveled to the airport and inspected all the airport facilities and immediately made recommendations to prevent “sick building syndrome” and the team provided a detailed report with detailed cost estimates for repairs to the Airport and they in turn submitted the report to FEMA and the result was the airport received significantly more funding for repairs than what is normally given. The Team also provided the airport staff who stayed behind to protect the airport assets with relief supplies to carry them through the difficult time before they were able to return home to their families. Mr. John Carrigan and Mr. Michael Moore were key staff who managed that effort on the two occasions. Another example is Mr. Tony Herrero performing post hurricane evaluations of facilities at FLL and HWO as well as in New Orleans after Hurricane Katrina. These services are exemplary of how the Cartaya Team will think “outside of the box” to help BCAD during unique and challenging conditions.

### Summary

The Cartaya Team’s Professional Consulting Services Project Approach hinges on the efforts of a dedicated Team of professionals working together with the BCAD Project Manager to meet the Capital Improvement Program goals of the Airport, under the leadership of experienced project managers. The Cartaya Team accomplishes this by:

- Providing local team members familiar with BCAD project procedures
- Identifying clear lines of communication between the Cartaya Team and BCAD
- Recognizing the financial requirements of every project
- Reviewing the project regularly by senior staff to identify and rectify potential problems before they occur
- Tailoring the Team’s experience specifically to the project at hand, from demolitions, to assessments, to design
- Developing construction documents that are



- “buildable” and limit change orders
- Understanding the contractor’s culture to ensure a seamless transition from design through construction
- Continuously maintaining the safety, operation and security of the Airport throughout the course of every project

Our project approach has proven successful in every facet of airport consulting, including our projects at FLL and HWO. We encourage the Broward County Aviation Department to ask BCAD staff and our references about how well we have incorporated this approach into their projects.

**WE ENCOURAGE THE BROWARD  
COUNTY AVIATION DEPARTMENT TO  
ASK BCAD STAFF AND OUR REFERENCES  
ABOUT HOW WELL WE HAVE  
INCORPORATED THIS APPROACH INTO  
THEIR PROJECTS.**

Within the parameters defined in the Project Approach, every partner on the Cartaya Team will provide their specialty expertise to furnish BCAD staff with a comprehensive array of professional design services. The following sections describe how each Cartaya Team partner will be utilized.

## DESIGN TEAM ROLES AND RESPONSIBILITIES

The Cartaya Team has been assembled to provide highly qualified and locally based firms that have specific relatable airport experience at both FLL and HWO. This makes this Team uniquely qualified to provide continuing Professional Consulting Services with no delay from the onset of the assignment due to learning County and BCAD contracting procedures. This Team already has a history of working together successfully in providing professional design services at FLL and HWO. Each member will continue to provide quality service to BCAD in the following team roles:

### Cartaya and Associates Architects, P.A. (Cartaya)



In the prime role, Cartaya will be the point of contact to the Airport for administration of the contract for all projects. Cartaya, serving as prime for this team, is a testament to the success of Broward County’s CBE program. Additionally, Cartaya will provide all architectural design, construction administration and resident project representative services, with the effort supervised by **Aviation Director, Mr. Roger Lebida, RA**. Mr. Lebida’s extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. Cartaya will provide the following specific professional architectural services as anticipated in this assignment:

- Site Investigation
- Architectural and interior design
- Permitting
- Bid and award services
- Construction administration services
- Construction inspection and resident project representative services
- LEED certification

### RS&H, Inc.



RS&H will provide engineering design and construction administration services, with the effort supervised by **Engineering Leader, Mr. John Carrigan, PE, LEED AP+** from RS&H’s Fort Lauderdale office. Mr. Carrigan’s extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. RS&H will provide the following specific professional engineering services as anticipated in this assignment:

- Site Investigation
- Civil Engineering
- Transportation and Traffic Engineering
- Mechanical, Electrical, Plumbing and Fire Protection Engineering
- Telecommunications and Data Engineering
- Technology Evaluations
- Permitting
- Commissioning
- Bid and Award Services
- Construction Administration Services
- Construction Inspection Services





## Jacobs Engineering Group (Jacobs)



Jacobs will provide engineering design and inspection services. with the effort led by **Mr. Luis Olivares, PE**, from Jacobs' Fort Lauderdale office. Mr. Olivares's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. Jacobs' will provide the following specific professional services as anticipated in this assignment:

- Structural Engineering
- Threshold Inspections
- Signage and Wayfinding
- Baggage Handling
- LEED/Commissioning

## Keith & Associates, Inc. (KEITH)



KEITH will provide all surveying and subsurface utilities engineering (SUE) services, landscape design as well as supporting efforts of civil engineering and RPR services, as a local team member, with the effort led by **Mr. Alex Lazowick, PE, PMP**. Mr. Lazowick's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. KEITH will provide the following specific professional services as anticipated in this assignment:

- Subsurface Utility Engineering
- Topographical and boundary surveying
- Landscape design
- Landside and Utility Engineering

## McFarland-Johnson, Inc. (McFarland-Johnson)



MacFarland-Johnson will provide planning and blast analysis services with the effort led by Mr. John Mafera from MacFarland-Johnson's Hollywood office. Mr. Mafera's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. MacFarland Johnson will provide the following specific professional services as anticipated in this assignment:

- Airport Master Planning

- Terminal Planning and Airport Modeling
- Blast Analysis

## HDR, Inc. (HDR)



HDR will provide fueling system engineering and construction administration services, with the effort led by **Mr. Cody Parham, PE**, from HDR's Fort Lauderdale office. Mr. Parham's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. HDR will provide the following specific professional services as anticipated in this assignment:

- Fueling system design
- Supporting Airside Civil Engineering

## Delta G Consulting

### Engineers, Inc. (Delta G)



Delta G will provide supplemental design engineering services, as a local CBE team member, with the effort led by **Mr. George San Juan, PE, LEED AP**. Mr. San Juan's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. Delta G will provide the following specific professional services as anticipated in this assignment:

- Supplemental Mechanical, Electrical, Plumbing and Fire Protection Engineering

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



S & F will provide supplemental engineering design services, as a local CBE team member, with the effort led by **Mr. Sri Sritharan, PE**. Mr. Sritharan's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. S & F will provide the following specific professional services as anticipated in this assignment:

- Supplemental Structural Engineering

## CMS – Construction Management Services, Inc. (CMS)



CMS will provide cost estimating and scheduling services, as a local CBE team member, with the effort led by **Mr. Keith (Armon-Phillip) Emery**.



Mr. Emery's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. CMS will provide the following specific professional services as anticipated in this assignment:

- Cost estimating
- Scheduling

### Tierra South Florida, Inc. (Tierra)



Tierra will provide geotechnical and construction material testing services, as a local team member, with the effort led by Mr. Raj Krishnasamy, PE. Mr. Krishnasamy's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. Tierra will provide the following specific professional services as anticipated in this assignment:

- Geotechnical investigation
- Construction materials testing

### AirQuest Engineering, Inc. (AirQuest)



AirQuest will provide environmental investigation and testing services, as a local CBE team member, with the effort led by **Ms. Traci-Anne Boyle, MBA, CIH, CSP, LAC**. Ms. Boyle's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. AirQuest will provide the following specific professional services as anticipated in this assignment:

- Site investigation
- Environmental investigation

### Miller Legg & Associates, Inc. (Miller Legg)



Miller Legg will provide environmental engineering and permitting services, as a local team member, with the effort led by **Mr. Dylan Larson, PWS, CEP, CLI**. Mr. Larson's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. Miller Legg will provide the following specific professional services as anticipated in this assignment:

- Environmental engineering
- Environmental permitting

### CTS Engineering, Inc. (CTS)



CTS will provide transportation data collection services, with the effort led by **Mr. Sheng (Sam) Yang, MS, PE, PTOE**. Mr. Yang's extensive project experience and how it specifically relates to this assignment is provided in the Ability of Professional Personnel section. CTS will provide the following specific professional services, in support of transportation and traffic engineering efforts, as anticipated in this assignment:

- Transportation data collection

As documented in the preceding descriptions of the key members of the Cartaya Team, the Team is composed of nine subconsultants, with specialized capabilities that, as a whole, provide comprehensive services for this assignment. In order to manage a Team of this size, Cartaya and its project managers are fully experienced and prepared to successfully oversee this team on each and every project. Cartaya will approach management of the Team utilizing tried and true methods and procedures. These methods and procedures will be put to practice on all projects in this assignment, in the same manner that they were successfully applied to every project of the recently completed GEC assignment by RS&H. The project team management approach is founded on Design Team Cost Management and Construction Budget and Cost Control. The following sections describe the Cartaya Team's approach to these project management principles.

## DESIGN TEAM COST MANAGEMENT

The project's budget cost control is a priority throughout all phases of the work; from the concept phase through construction completion. Because the project team includes several specialty subconsultants, timely and accurate cost information based on quantifiable measurements from all team specialties is essential to keeping design efforts on track. Proper budget cost

control is important to the Broward County Aviation Department. It is also important to the Cartaya Team. This section details the team's budget control procedures that will enable the team's services to be completed within the established budget.

### **Project Planning**

Budget and cost control begins in the earliest project phases based upon a firm understanding of the project requirements, the Airport's goals and objectives and the budget for the project.

Initially, the Cartaya Team will develop each Project Work Plan. This plan documents internal procedures and controls to accomplish the project objectives by organizing the project into discipline-specific elements of work on a manageable scale. Included in the Project Work Plan is the Work Breakdown Structure (WBS) that breaks down the total project scope into smaller tasks that can be easily monitored and controlled on the basis of budget, cost and schedule.

The WBS is used for assignment of work effort, design budget and cost control, and forms the structure of the project schedule. The level of detail in the WBS will be based on similar projects of comparable scope previously completed by the team. The WBS breaks down the total project into three levels of detail. The WBS first divides the project by design deliverables (Preliminary, 30-, 60-, 90-, and 100-percent). Next, each major deliverable is divided by discipline (civil, architectural, structural, mechanical, electrical, etc.) and assigned to the discipline's Task Leader with experience on a project of comparable scope. Staff with comparable experience are assigned to each task in order to maximize design efficiency. Lastly, each WBS discipline is divided into specific tasks and assigned a unique WBS code that is also used in the project schedule. Each task is included in the project schedule, has a budget for completion consistent with the overall project budget and is tracked for progress on a percent complete basis. All subconsultant tasks are also included in the WBS. Subconsultants participate in the development of their task budgets and will be required to complete their tasks within the budget agreed upon. With task,

budget and schedule information loaded into the WBS, all project expenditures are projected over the life of the project. Known as the project "burn curve," this projection establishes the base line to compare progress against. The ultimate result of this practice is to ensure the BCAD project is maintained on schedule and on budget with no unexpected complications for the duration of the project.

### **Project Tracking**

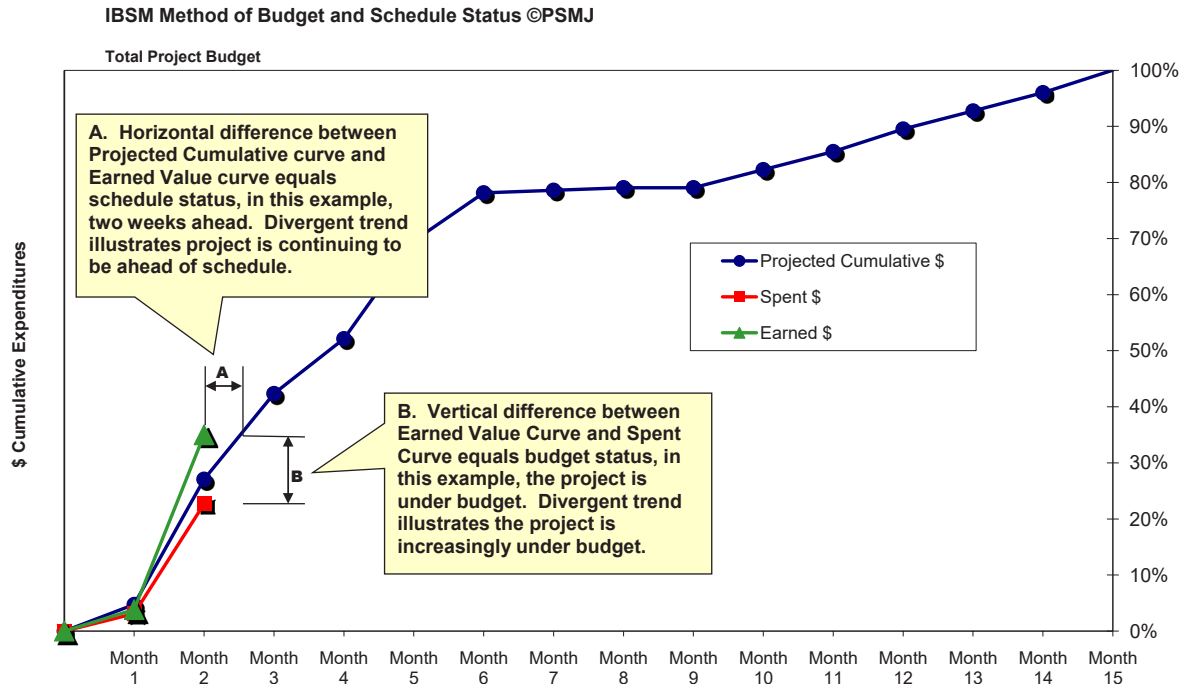
As the project progresses, each Task Leader will monitor their individual tasks according to budget and schedule, and report task status to the Project Manager on a biweekly basis. The Project Manager will assemble and utilize this information to monitor the overall project progress. Additionally, on a weekly basis, the Project Manager will review all labor and direct costs from reports generated by Cartaya's Cost Accounting System. All project costs are evaluated for each week's efforts, as well as inception to date.

### **Cost Management**

After using the WBS and "burn curve" to plan the project, and cost accounting reporting to monitor project costs, the standard method of budget and schedule control will be utilized to evaluate current status, estimate future effort required, and control project costs. The tool used is the Integrated Budget and Schedule Model (IBSM). The "burn curve" is updated monthly and reviewed with the Principal-In-Charge.

The components of the IBSM are the Work Breakdown Structure, the Project Burn curve, the Earned Value status of each task and project costs to date. The Earned Value of each task is the percentage of actual work completed for each task. As an example, just because 50 percent of the budget for a task has been spent, it does not necessarily mean that 50 percent of the task has been completed. Earned value reporting ensures budget status is based on what has been accomplished instead of solely what has been spent. This allows for a true assessment of the project's budget status. Included in the IBSM are costs that have been obligated, but not yet captured by the accounting system, for even more





*Project cost controls forecasting the Cartaya Team's effort for the duration, then tracking fee used and recent complete will be performed on each project.*

accuracy in budget status determination. Subconsultants will be required to report the Earned Value of their tasks on a monthly basis and the Project Manager will make an independent assessment of subconsultant progress as a check. The Cartaya Team firmly believes that when a fee is negotiated through the Sunshine process, the final invoiced fee does not exceed the negotiated budget. Unless project scope or duration has changed, the negotiated design fee agreed upon shall not be modified.

### Cost Control

The IBSM generates a three line graph depicting the project burn curve, project earned value and project costs to date (see graphic above). This graph is prepared monthly and reviewed with the Principal-In-Charge and is used to determine both the project budget and schedule status as shown in the IBSM Chart. The horizontal difference (time) between the project burn curve and earned value curve demonstrates schedule status by describing how the project budget is being earned according to how it was projected to be earned. The vertical difference (cost) between the earned value curve and the project expenditures curve demonstrates budget status by illustrating if

**THE CARTAYA TEAM FIRMLY BELIEVES THAT WHEN A FEE IS NEGOTIATED THROUGH THE SUNSHINE PROCESS, THE FINAL INVOICED FEE DOES NOT EXCEED THE NEGOTIATED BUDGET.**

project costs are over or under the earned value of the project.

By analyzing convergent or divergent trends between the three lines on the graph, the Project Manager can identify potential problems early and take action to avoid adverse budget, staffing and schedule performance. When a potential budget issue becomes apparent, the Project Manager and the Task Leader will meet to review the scope of work, the level of effort being expended, and the staff assigned to the project to ensure the team understands the work scope, has sufficient resources experienced in the area of work, and then adjust the work effort to bring the task in line with the original budget. The IBSM reporting will be a mandatory function of the Project Manager and enforced by the Principal-In-Charge.

Together, these tools ensure that a plan exists to control design costs from project inception to completion, provides for timely monitoring of cost data, budget status, and schedule status, allows for early identification of potential budget issues, provides for active participation by the Principal-In-Charge, and establishes the methods of controlling costs to ensure the design is completed within budget. This process enables the Project Manager to always know the current project status, and to report accurate project progress to the Broward County Aviation Department. This system of design cost control has been used successfully for many years.

## CONSTRUCTION BUDGET AND COST CONTROL

Construction Budget and Cost Control will start early in the design phase, and continue throughout the life of the project. The design must provide for cost efficient construction within the Broward County Aviation Department's budget, and must be monitored and controlled throughout the construction phase to ensure the project is completed within budget.

### Accurate Cost Estimating

During the Preliminary Design phase, a technical specifications outline will be prepared for all anticipated work elements required in construction in addition to schematic design reports and/or plans. The intended design elements, components and level of finishes shall be carefully documented in this preliminary phase in order to properly define the level of costs and scale of project components for accurate cost estimating. The Team will utilize the cost estimating expertise of CMS in addition to relying on the comprehensive construction knowledge of the design team members to give a fully coordinated, thorough and accurate cost estimate for budgeting purposes at this preliminary phase. Contingency costs will be included in each construction cost estimate to provide for unknown elements of work for each major submittal. The contingency cost could start at 20 percent for the preliminary construction cost estimate as may be appropriate, and will be reduced accordingly for each deliverable as the

design progresses. The 100 percent Construction Cost Estimate will not include a contingency. This has been a proven method of monitoring and controlling estimated construction cost against the Broward County Aviation Department's budget by providing a buffer early in the design process that is gradually reduced as design details are completed (see Figure 1).

The Cartaya Team will provide detailed construction cost estimates at

the preliminary, 30-, 60-, 90- and 100-percent phases of the project. These estimates will be generated using the latest unit prices from similar projects in Broward County and South Florida. Cartaya's and our subconsultant CMS' extensive library of bid prices from recently completed building construction projects will also be incorporated into each estimate.

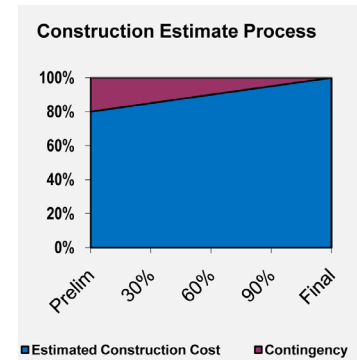


Figure 1

### Value Engineering

With each major design deliverable, the team will review and validate the Broward County Aviation Department's budget for the project. If the estimated construction costs exceed the budget, the team will utilize value engineering to provide for alternative design solutions, less expensive construction materials, or more efficient construction methods in order to reduce the estimated construction cost to within the project budget. In order to protect BCAD's established budget, the Cartaya Team will perform value engineering and develop appropriate bid alternates to give BCAD opportunities to include the most project scope items while maximizing the effectiveness of the project.

### Budget and Cost Controls

If additional elements of work are requested to be added to the project, the Project Manager will address potential budget impacts with BCAD prior to proceeding with the additional work, and will

modify the project work plan accordingly. As part of the Quality Control Process, a Constructability Review will be performed to ensure the most cost efficient materials and construction methods are specified in the construction documents. Additionally, the impact of proposed project phasing and scheduling, as well as complex work elements, will be reviewed for their impact to anticipated unit prices in order to develop an accurate estimate of construction cost. The Cartaya Team will monitor and bring to the attention of BCAD any scope creep threatening the budget cost.

### **Construction Change Orders**

The Cartaya Team has established a reputation of design and construction excellence on aviation projects. Our low change order percentages can be partially attributed to respective project team concerns with the overall quality of the design and design completeness. The Cartaya Team's history and tested approach to projects demonstrates its commitment to providing responsive, responsible, and quality design services.

### **Construction Cost Control**

The critical item for the Cartaya Team's construction inspection and administrative staff is to maintain control over the construction quality and cost as bid. The responsibilities of inspectors include the daily observation reporting so that the quantities and costs of the work can be monitored and any anomalies are immediately reported to BCAD and the Project Manager. The work completed and the items remaining to be placed on the project are reviewed in weekly meetings held with the team so that all stakeholders are aware of the impact of the work on the total construction budget.

The Cartaya Team will advise the Broward County Aviation Department if forecasted work appears to indicate a potential over-run situation. The team will meet to discuss options and to find the best solution to the cost challenge. This allows for early identification of potential over-runs and allows the inspection team to address the issue with the contractor before the project budget is impacted.

Claims avoidance can be accomplished by maintaining close monitoring of quantities, close inspection of work in progress, proactively working with the BCAD staff and contractor on forecasting work effort, and the continued review of construction in place versus design intent. This gives BCAD the opportunity to avoid surprises during construction. Time is an important, and often overlooked, function of budget control during construction.

The Cartaya Team is well experienced at completing aviation building construction projects of all types and sizes. When the contractor approaches our team with alternative methods of placement or materials, the team will always listen to hear the project cost and schedule advantages and bring a professional opinion to the attention of BCAD. Materials substitution to those detailed on the drawings and in the contract documents, if they are equal to or greater than those specified, as evaluated by our team, BCAD's Project Manager and other project stakeholders, will be considered for the overall improvement of the project.

The Cartaya Team will successfully design and administer each project to meet the Broward County Aviation Department's project budgets.

## **THE CARTAYA TEAM WILL SUCCESSFULLY DESIGN AND ADMINISTER EACH PROJECT TO MEET THE BROWARD COUNTY AVIATION DEPARTMENT'S PROJECT BUDGETS.**

The Cartaya Team, as evidenced in this Project Approach section, is composed of specialty subconsultants and key personnel that have direct and successful experience that specifically applies to the projected projects in this assignment. The following section, Past Performance, evidences specific project examples that demonstrate the experience of Cartaya and its team members is unmatched for this Professional Consulting Services assignment for Fort Lauderdale-Hollywood International and North Perry Airports.

### 3. Past Performance

***a: Describe prime Vendor's experience on projects of similar nature, scope and duration, along with evidence of satisfactory completion, both on time and within budget, for the past five years. Provide a minimum of three projects with references.***

It is important to note that the Cartaya Team is not just made up of a single prime firm, but of a Team of highly skilled professionals from a number of individual firms who have worked together for years at Fort Lauderdale-Hollywood International Airport on a large number of projects and therefore, make up a Team that is bonded together through years of professional experience. Out of respect to the requirements of the RFP criteria, the representative projects demonstrating past performance of Cartaya, the prime proposer, are provided first.

The projects presented in this section provide a representation of Cartaya's past performance and experience that is similar to the projects expected in this assignment. Cartaya believes that the projects identified in this section will more than satisfactorily exhibit projects of a similar nature, scope and duration both on time and within budget, performed in the past five (5) years. Cartaya, and its Team members, have exhibited exemplary performance on past projects for BCAD, many of which were performed by the same key personnel provided in this proposal. In the Cartaya Team's recent past FLL and HWO experience, the Team provided a variety of services including existing condition assessments, repair projects, renovations, build-outs, security enhancement projects and barriers, hurricane upgrades, infrastructure upgrades, Terminal Connectors, etc.

Having performed this variety of services over the past 5 years, the Cartaya Design Team will be ready to "hit the ground running" and not suffer from any lag or learning curve in getting up to speed on BCAD and County project processes. It will also require a Team with sufficient resources to accomplish multiple, concurrent projects. The specific BCAD project experience of the Cartaya Team eliminates this concern. The Team is well seasoned and experienced on BCAD projects at FLL and HWO.

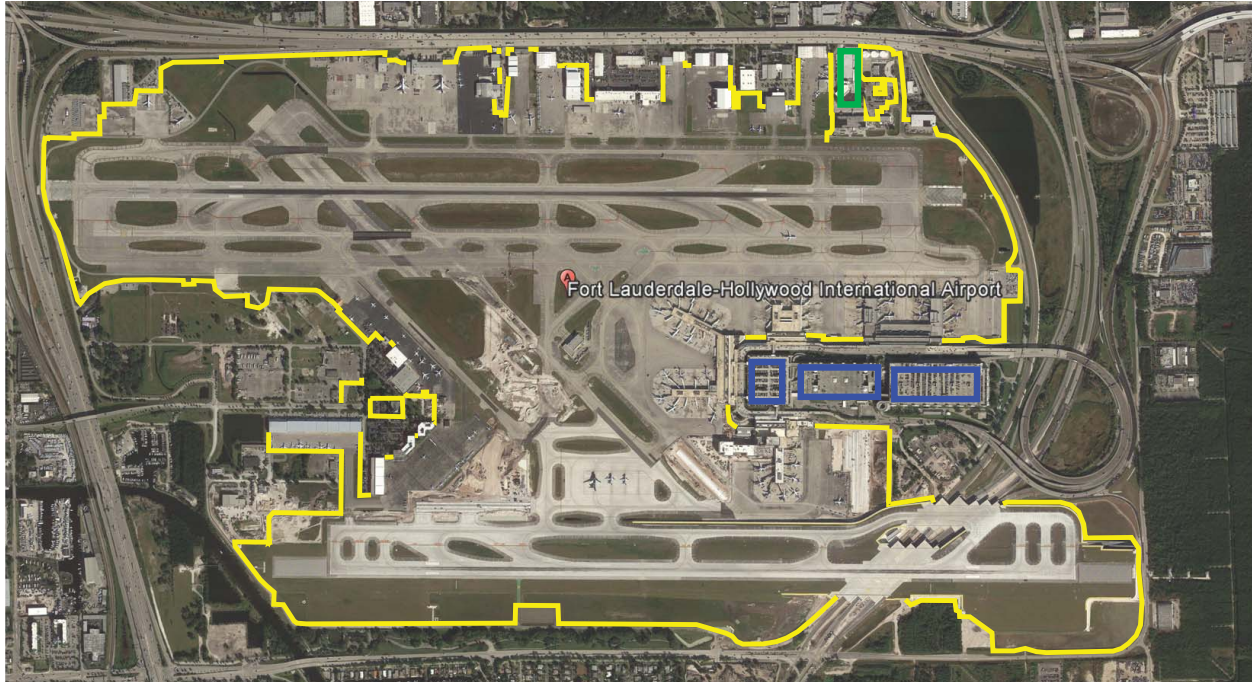
**NO OTHER DESIGN TEAM HAS THE LEVEL OF EXPERIENCE,  
KNOWLEDGE AND UNDERSTANDING OF THE EXISTING  
BCAD FACILITIES AS THE CARTAYA TEAM AND  
ITS KEY PERSONNEL.**





# PROFESSIONAL CONSULTING SERVICES FOR FLL & NORTH PERRY AIRPORTS BUILDINGS (THE CURRENT BCAD CONTINUING SERVICES CONTRACT)

Fort Lauderdale, Florida



*Perimeter Security Enhancements at FLL*

Since 2015, the Cartaya and Associates Architects Design Team has been providing architectural and engineering services for Broward County Aviation Department as part of a continuing services contract which includes Pre-Design, Programming, Design, Construction Documents, Construction Administration and Resident project Representative services for new building construction and modifications, alterations and improvements to existing buildings, structures, offices and accessory buildings that are landside and airside at the Fort Lauderdale/Hollywood International Airport and North Perry Airport. Over 25 projects have been authorized ranging from very small renovations such as the ARFF Air Curtain addition or Palm Garage Precast Panel Replacement to multimillion dollar Terminal Connector additions and Garage Improvements. Some of the projects have included:

- Building Renovations for BSO Offices
- Perimeter Security Enhancements (FLL)
- Security Enhancement, Access Control & CCTV (HWO)
- Palm/Hibiscus/Cypress Garage Enhancements
- FLL Entry Sign
- EOC Build-Out
- FLL Masterplan Peer Review
- Cabot Lobby Security Improvements
- Terminal 1 Concourse B Post Hurricane Irma Condition Assessments Evaluation
- Terminal 1 Concourse B Glazing Replacement
- FLL Roadway Repairs
- Terminal 1, Terminal 4, Airport Security Building and G&G Building Re-Roofing
- Concourse A Roadway Barrier
- Airport Security Building Renovation
- Terminal Connector Bridges

*\*The following pages include project descriptions for some of the projects under the current BCAD Continuing Services Contract.*



**TERMINAL CONNECTORS**  
(BETWEEN TERMINALS 1 & 2 AND BETWEEN 2 & 3)  
Fort Lauderdale, Florida



This Terminal Connectors project consists of two post security connectors, one between Terminals 1 and 2 and a second between Terminals 2 and 3. With these Connectors, passengers will be able to easily navigate from one Terminal to another. The Terminal 1 to 2 Connector is 2-stories, 508-feet-long, 48,226 sf and includes 4 moving walkways and a Terminal 1 expansion that includes public restrooms, business and retail. The Terminal 2 to 3 Connector is also 2-stories, 192-feet-long, 7,412 sf and it creates a covering over the Ground Transportation Area to provide shelter for passengers waiting for their bus. Both Connectors

are designed as “Assembly Use” for future Terminal expansion and enhance the passenger experience by offering various floor level amenities and continuous views to both ramp and landside activities. Of special note, an existing underground diesel fuel tank will remain under the new Terminal 1 expansion thus requiring special Terminal Connector foundations located within feet of the tank, relocation of the fueling/vent station fuel line and modifications to the fuel pump piping. Replace corroded/rusty automatic transfer switches and electrical panels in Palm and Hibiscus Garages





## FLL RENTAL CAR CENTER (RCC), HIBISCUS, CYPRESS & PALM GARAGE IMPROVEMENTS

Fort Lauderdale, Florida



This \$12 million Construction project began with the Design Team preparing an Existing Conditions Report that assessed and identified all garage components with physical defects or wear that were in need of repair or replacement and to create a construction budget. Once the scope was finalized, Construction Documents were prepared, the project was bid and permitted and construction is ongoing. The areas in need of repairs or replacement include:

- Replace corroded and leaking components of the RCC vehicle fueling system
- Replace 40 fans for the rooftop exhaust fan system that serve the first floor vehicle fueling/car wash area of the RCC
- Replace vehicular cable railing system of the entire Hibiscus Garage and portions of the Cypress Garage.
- Repair exposed post tensioning cables in a handful of locations in the RCC/Cypress Garage.
- Replace Stair and elevator roofing at the Palm and Hibiscus Garages
- Provide a non-slip coating on the vehicular ramps in the RCC
- Replace elevators in the Palm Garage and provide air conditioning in the elevator machine rooms
- Replace corroded/rusty automatic transfer switches and electrical panels in Palm and Hibiscus Garages
- Replace a variety of corroded louvers, hollow metal doors and frames, fire extinguishers and fire hose cabinets and exhaust fans
- Replace 3 HVAC condensing units and 12 heat pumps in the RCC
- Replace cooling tower and associated fire sprinklers, valves and water pump

## FLL EMERGENCY OPERATIONS CENTER RELOCATION

Fort Lauderdale, Florida

The Emergency Operations Center relocation at Fort Lauderdale/Hollywood International Airport (FLL) included development of an existing 800 SF space with twenty-four (24) work stations, video walls, 10 LCD monitors, additional HVAC capacity, numerous additional electrical receptacles, phone receptacles and data receptacles. Cartaya's coordination efforts with the owners EOC manager and technical expertise ensured a smooth transition from the existing EOC to this new one.



## FLL CONCOURSE A BARRIER

Fort Lauderdale, Florida



At the Fort Lauderdale/Hollywood International airport, the Broward County Aviation Department desired an exterior barrier to protect the southeast glass corner of Concourse A from vehicular damage and/or a security breach. Our work included the addition of decorative yet structural illuminated stainless steel bollards along the east and southeast areas of Concourse A. The challenge of maintaining existing establish landscaping and avoiding significant underground utilities was successfully accomplished through a collaborative effort between the Design Team and Contractor.



## FLL PALM GARAGE PANEL REPLACEMENT

Fort Lauderdale, Florida

At the Fort Lauderdale/Hollywood International Airport, on the roof level of the Palm Parking Garage one of the perimeter precast concrete barrier panels was damaged when a vehicle bumped into it. This created an unsafe condition so the area was barricaded. Our work included design of a replacement precast concrete panel, wood bumper and aluminum railing damaged by the vehicle. Construction was performed at night to avoid disruption to airport operations.

*\*End of sample projects under the current BCAD Continuing Services Contract.*





## FLL TERMINAL 2 IN-LINE BAGGAGE & LOBBY RENOVATION

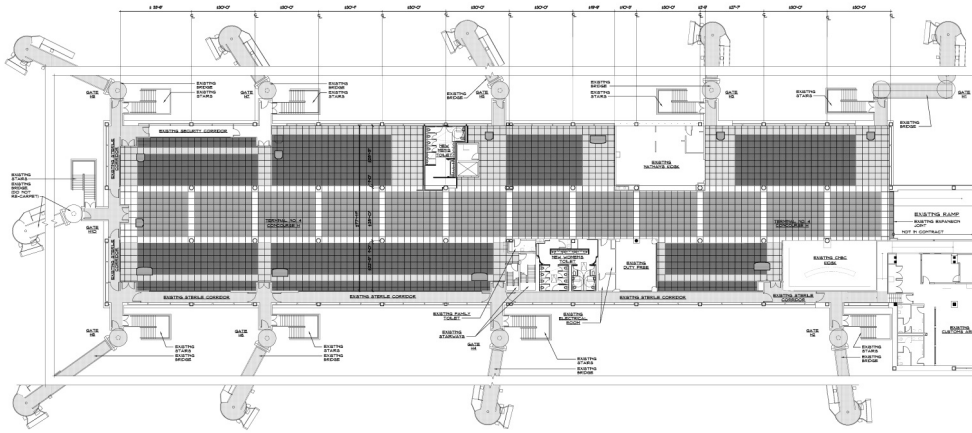
Fort Lauderdale, Florida



Cartaya and Associates worked with BCAD on the removal and re-design of the Terminal 2 existing Baggage Handling System to provide a state-of-the-art In-Line Baggage Screening System. Alterations and additions in support of the new In-Line Baggage System include a EDS Screening Room, CBRA Room, BHS Control Room, TSA OSR/MUX Rooms, TSA Break Room, Delta North Offices, refurbishing of existing office space, concession modifications, Delta/Air Canada Ticket Offices, Delta BSO/TSA Offices, Ticket Lobby Counter Area, TSA SSCP queuing layout, and upgrades to HVAC, Plumbing, Data, Electrical Power and Security infrastructure.

## FLL TERMINAL 4 CONCOURSE H POST SECURITY ENHANCEMENTS & STERILE CORRIDOR EXTENSION FOR INTERNATIONAL ARRIVALS

Fort Lauderdale, Florida



The Terminal 4 – Concourse H Post Security Enhancements encompasses the design and construction oversight and Resident Project Representative (RPR) services for the phased interior renovation of the 10-Gate 32,500 SF concourse. The scope includes the extension of the Sterile Corridor system, new Men's and Women's Restrooms, relocation of an existing concession, 29,500 SF of new ceilings and flooring, new wall finishes, new recessed lighting, holding area seating redistribution and under seating cellular phone and computer laptop charging stations.



## PRIVATE FIXED-BASE OPERATOR AT FLL

Fort Lauderdale, Florida



This private Fixed-Base Operator (FBO) development at Fort Lauderdale/Hollywood International Airport is a 25 acre parcel that includes a three-story terminal/office, two (2) 40,000 square foot hangars, 240 parking spaces, native landscaping, retentions ponds and a fuel farm. The aircraft ramp area on the north side of the site connects directly to Taxiway "C" and the north runway.

The modern terminal building includes a two-story, luxury passenger lounge and cafe waiting area which features angled glass facades to illuminate the interiors with natural daylight while keeping the interior cool through the strategic placement of shade louvres which wrap around

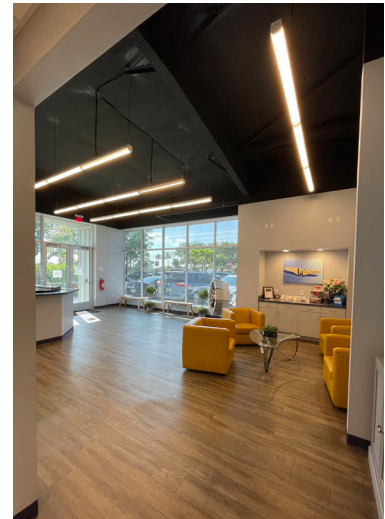
the front of the building. All FBO staff functions are located on the west side of the terminal and all public functions are on the east side. The second and third floors of the terminal building will accommodate rental spaces for tenants.

The hangars will include 28 foot high, bi-parting hanging doors. The land side of the hangar will include a controlled core area with restrooms and a breakroom and will be flanked by numerous tenant spaces. Service areas, storage areas and similar functions will be housed in spaces in between the hangars and the terminal building will be connected with covered walkways.



## WAYMAN AVIATION ACADEMY AT HWO

Pembroke Pines, Florida



The 9,600 SF Wayman Aviation Academy is located on an approximate three acre site on the south side of North Perry Airport. It includes hangars, offices, classrooms, briefing room, testing center, dispatch center, breakroom and simulation facilities as well as parking and a 40,000SF ramp space for aircraft parking.

The new building utilizes standard metal building technology while the design of the sloped parapets breaks the typical perception associated with metal buildings.

## LADIM AVIATION T-HANGARS AT NORTH PERRY AIRPORT

Pembroke Pines, Florida



As North Perry Airport in Pembroke Pines continues to grow, LaDiM is promoting the growth by developing three T-Hangars on the west side of the airport. Each hangars is 55ft x 295ft and in total contains 36 T-Hangars along with a shared 1,670sf lounge, office and restroom area. The prefabricated metal building structure will be secured to a poured in place foundation. The site includes 25 automobile parking spaces and 22 aircraft tie down areas with direct access to Taxiway N.





## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: [Cartaya and Associates Architects](#)

Organization/Firm Name providing reference:

[LaDiM Aviation, LLC](#)Contact Name: [Milota Srkal](#)Title: [Owner](#)Reference date: [4/8/2021](#)Contact Email: [milo@ladimaviation.com](mailto:milo@ladimaviation.com)Contact Phone: [954-806-5546](#)Name of Referenced Project: [LaDiM Aviation T-Hangars at North Perry Airport](#)

Contract No.

Date Services Provided:

[12/10/2021](#)

to

[ongoing](#)

Project Amount:

[\\$4.5m](#)Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).

## Description of services provided by Vendor:

[Architectural Services, Bidding, and Construction 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)

\*\*\*THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: ☐ EMAIL ☐ VERBAL Verified by: \_\_\_\_\_

Division: \_\_\_\_\_ Date: \_\_\_\_\_

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







## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: Cartaya and Associates Architects

Organization/Firm Name providing reference:

Jetscape Services, LLC / Azzorra Aviation, LLCContact Name: Troy MenkenTitle: President

Reference date:

Contact Email: tmenken@jetscapefbo.comContact Phone: 954-359-9991Name of Referenced Project: Jetscape Fixed-Base Operator

Contract No.

1532

Date Services Provided:

03/31/2016

to

12/31/2022

Project Amount:

\$ 32,000,000.00Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).**Description of services provided by Vendor:**

Cartaya provided complete architectural services for a private Fixed-Base Operator development at Fort Lauderdale-Hollywood International Airport. It includes a three-story terminal/office, passenger lounge and cafe as well as two hangars and parking.

**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)

\*\*\*THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: ☐ EMAIL ☐ VERBAL Verified by: \_\_\_\_\_

Division: \_\_\_\_\_ Date: \_\_\_\_\_

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





## Vendor Reference Verification Form

Broward County Solicitation No. and Title:

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

Reference for: Cartaya and Associates Architects

Organization/Firm Name providing reference:

City of Pompano BeachContact Name: Horacio DanovichTitle: GO Bond & Innovation District DirectorReference date: 04/08/2021Contact Email: horacio.danovich@copbflContact Phone: 954-786-7834Name of Referenced Project: Pompano Beach Public Safety Complex

Contract No.

Date Services Provided:

Project Amount:

Ordinance 2019-7009/01/2018to 09/01/2023\$ 701,000.00Vendor's role in Project: ☒ Prime Vendor ☐ Subconsultant/SubcontractorWould you use this vendor again? ☒ Yes ☐ No If No, please specify in Additional Comments (below).**Description of services provided by Vendor:**

Cartaya provided architectural services for interior renovations of a Public Safety Complex which includes ADA renovations, interior repairs and upgrades to make the outdated Fire Department spaces and other remaining spaces more functional. Work included programming, design, and preparation of plans. This facility was occupied and operational during all work.

**Please rate your experience with the referenced Vendor:**

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

**Additional Comments:** (provide on additional sheet if needed)

The firm has been retained (again) to continue to provide specialized architectural services for various projects as well as continuing services on an annual basis. The firm has excelled in every aspect and has performed admirably.

\*\*\*THIS SECTION FOR COUNTY USE ONLY\*\*\*

Verified via: EMAIL VERBAL Verified by: \_\_\_\_\_ Division: \_\_\_\_\_ Date: \_\_\_\_\_

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



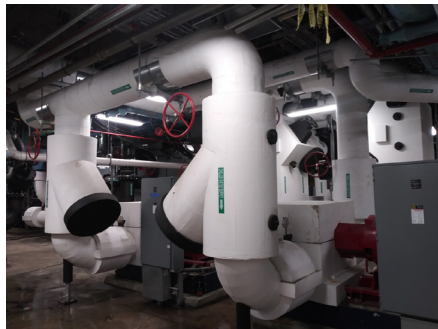
## ADDITIONAL TEAM EXPERIENCE

### FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT



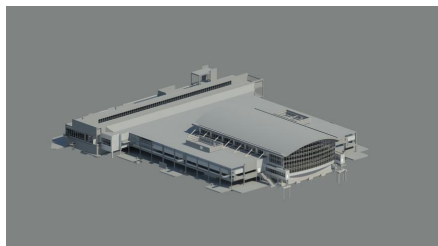
#### Terminal 3 Modernization

RS&H provided Design and CA services for the renovation and expansion of the 170,000 SF Terminal 3. The project included renovation of all existing hold room areas, renovation of north ticketing lobby, addition of concessions areas on the concourses. Services included mechanical systems design, electrical lighting and power systems design, and complete IT/communication systems design including MUFIDS. Civil design services were included to reconfigure the apron area and aircraft parking layout to support the expansion and reconfiguration of the concourses.



#### Chiller Plant

RS&H provided Design and CA services for the upgrade and expansion of the central chiller plant in Terminal 3 that serves both Terminal 2 and Terminal 3. The project reconfigured the existing chiller plant configuration from series operation to parallel operation and added an additional 1,200 tons of cooling capacity to the plant to provide the airport with increased redundancy and capacity in anticipation of the upcoming modernization/expansion projects for both terminals.



#### Terminal 2 Modernization

RS&H provided Design and Construction Administration services for the renovation and expansion of the 150,000 SF Terminal 2. The project included renovation of all existing hold room areas, addition of a new mezzanine level Sky Club, relocation of four gates, reconfiguration of the TSA security checkpoints, employee screening checkpoint, and phased construction to include temporary TSA offices and temporary BCAD operations and Delta Operations offices. Services included electrical lighting and power systems design, complete IT/communication systems design including MUFIDS, and Delta Airlines support spaces renovations. Civil design services were included to reconfigure the apron area and aircraft parking layout to support the expansion and relocation of four gates. The project is pursuing LEED certification.



## ADDITIONAL TEAM EXPERIENCE

### TAMPA INTERNATIONAL AIRPORT



Since 2001, RS&H has had a continuing presence at Tampa International Airport (TPA) providing architectural and engineering services on terminal and airfield projects. RS&H has the General Consultant since 2003, with re-selections occurring in 2008 (part of a GC team), 2010, and most recently in 2015 with services projected through 2020. RS&H also provided comprehensive construction administration services for all improvement projects. Other areas of service consisted of planning and environmental studies, investigations, permitting, and analyses with each resulting in a reports of various magnitude and complexity. RS&H has completed 114 projects under the current contract (2016 -2021) including the relevant projects listed below.

- Various Airfield Support Facility Rehabilitations
- Airfield and Building Drainage and Stormwater Analyses
- Master Plan Review, Updates, Scheduling, and Implementation
- East Side Development Plan
- Commissioning Plan
- BHS Structural Review/Upgrades
- Terminal Carpet Replacement
- Ticket Counter Study
- ALCS Study and Replacement
- Welcome Feature Upgrades
- Sustainability and Resiliency Studies
- CONRAC/APM/ACMEP Structural Review
- SMP Update
- MRO Site Study
- Taxiway E Rehabilitation
- Taxiway G Repairs
- Signage and Wayfinding Review, Cost Estimates, and Replacements
- Pavement Management Plan Development, Support, and Cost Estimates
- Various Airfield and Roadway Pavement Design and Rehabs
- Airside F Analysis
- Perimeter Intrusion Detection
- Apron Service Road Marking
- Access Study and Control
- GA Fence Rehab
- Air Cargo Apron Trench Drain
- Airport Traffic Model
- Parking Logistics
- GA Hangar Rehabilitation

## JACKSONVILLE INTERNATIONAL AIRPORT

# Jacobs



Jacobs was selected to provide the Jacksonville Aviation Authority (JAA) with professional design services for its \$150 million Terminal Expansion Program, which will be implemented over the next 3 years. Currently, there are only two concourses at JIA—Concourse A and C. Terminals A and C were finished in 2008 with 20 gates, and the former Concourse B was demolished in 2009. The Terminal Expansion Program includes construction of Concourse B, with six departure gates to meet the growing demands of air travel into and out of Jacksonville.

The initial schematic design for Concourse B was completed in December 2011 to establish the location and elevations of the Bypass Taxiway, including Taxiway V, Taxiway P, and Taxiway J, which was constructed and opened in 2012. JAA anticipates that the schematic design will require modifications to accommodate the needs of the updated facility. These modifications will be performed by Jacobs, who is responsible for all design, permitting, and construction phase services for the program.

The main level of the concourse will feature passenger lounges, adjacent restroom facilities, and a centralized concession court to maximize convenience for travelers. The program will also include development of a concessions strategy that will allow for the future addition of seven additional gates.

Previous to winning the Terminal Expansion Project, Jacobs was responsible for the \$10 million Consolidated Maintenance and Warehouse Facility project, which created a new operational campus that supports the flow of vehicles, equipment, and people across the site. The new campus incorporates best practices in operational facilities along with sustainable principles. Jacobs has also provided services for an On-Call Contract that serves JAA's four airports. Services have included taxiway, apron, and runway rehabilitation; airfield lighting rehabilitation; parking studies; parking garage repairs; construction inspection; and fencing projects

## ADDITIONAL TEAM EXPERIENCE

**MONROE COUNTY GENERAL CONSULTANT  
SERVICES****Jacobs**

Monroe County owns and operates two airports: Key West International Airport (EYW), and Florida Keys Marathon Airport (MTH). Jacobs has been awarded 120+ assignments over the last nine years valued at more than \$5M. Our assignments have been located at both airports and have varied in size, discipline, and cost. Below is a categorized listing of task authorizations awarded to Jacobs since 2011:

**Airport Facilities Projects**

- Conveyor Baggage System Upgrade (EYW)
- Departures Area Restrooms and Pet Relief Renovation (EYW)
- Chiller Replacement (EYW)
- Baggage Area Doors and ARFF Canopy (EYW)
- Concourse A Preliminary Design (EYW)
- Modifications to the Arrivals Building (EYW)
- Baggage Bridge Structural Inspection (EYW)
- Hangar Hurricane Assessment Survey (MTH)
- Hurricane Repairs Design (MTH)
- New Hangar Development (MTH)
- Terminal Plumbing Assessment (MTH)

**Landside Projects**

- Faraldo Circle Rehabilitation Ph 1 & 2 (EYW)
- Lighting Assessment (MTH)

**Airside Projects**

- Improve Runway 27 Safety Area - Install EMAS (EYW)
- Drainage Improvements Ph 1, 2, & 3 (EYW)
- Rehabilitate Runway 9-27 (EYW)
- Rehabilitate Taxiway A (EYW)
- PAPI Siting Study (MTH)
- Drainage Investigation and Master Plan (MTH)

**Planning Projects**

- Master Plan Update (EYW/MTH)
- Develop Space Allocation Plans (EYW)
- Develop Airspace Mapping Document (MTH)
- Airport Noise Program (EYW)



***b: Describe the Prime and/or Subconsultants experience and capabilities in CAD/BIM, related to architectural/engineering design for vertical buildings in the airport environment.***

Cartaya and Associates uses only the latest in equipment and digital technology. Our firm creates our drawings and plans in Autocad and/or BIM. This standardization ensures maximum collaboration and efficiency between all the members of our team. Our office works on a highly organized internally developed set of drafting standards, modeled after the National CAD Standards. This ensures our drawings and plans are highly accurate and easy to review. We pride ourselves in our architectural accuracy and efficiency. We are also proud of the quality and training of our associates.

Cartaya has an in-house Building Information Modeling (BIM) Department, led by BIM Manager, Ms. Laura Sotomayor, which is standardized on the Revit platform. Our associates are certified in Revit, the industry standard for BIM. The use of BIM is essential for conflict resolution, especially when it comes to clash detection. It allows for greater coordination between Architects, Sub-Consultants, General Contractors and Sub-Contractors. For example, in the Terminal Connectors project at FLL Cartaya shared a BIM model with the architect of an adjoining project to further coordinate airport facilities.

Cartaya can deliver to owners, through the Construction Operations Building Information Exchange (COBie), the information gathered during the project design and easily complemented with data collected by the construction team to provide a good source of information to be transferred to the operations and maintenance (O&M) team. The data collected

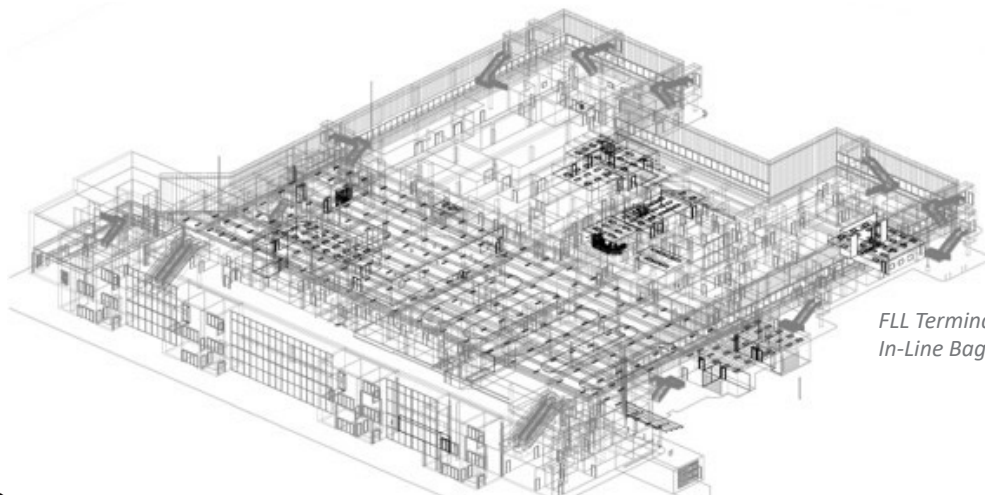
improves the measurement and management of building assets.

While Revit is a powerful tool to avoid conflicts during construction, it is also recommended that clients such as BCAD request the integration with COBie database that collects specific information used for post-occupancy purposes. The Design and Construction teams can deliver to the owner COBie data with consistent and structured asset information that is useful to the owner-operator for post-occupancy decision-making.

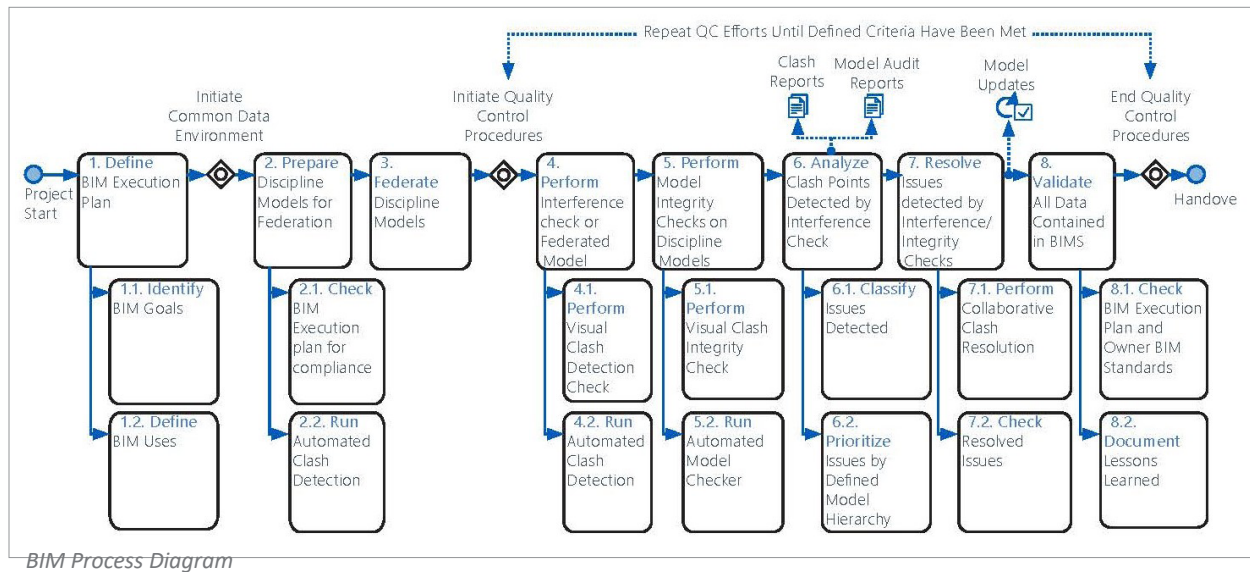
Some of our BIM projects have included:

- FLL Terminal Connectors
- Port Everglades Parking Garage
- FLL Terminal 2 In-Line Baggage Screening System
- FLL Terminal 1 Concourses B & C – Windows Replacement
- FLL Credential Office Relocation
- Broward County Judicial Parking Garage
- Ronald McDonald - Jackson Memorial Site

Cartaya's capabilities are further enhanced by our consulting engineers including RS&H and KEITH. The RS&H design team uses a vast array of advanced design tools to complete the BIM model. The RS&H building engineering team is fully sourced in-house and works alongside the architectural design team to deliver a comprehensive model, as well as construction documents. The team of MEP, Structural, Fire Protection, and Low Voltage/ Security engineers have developed internal processes to support the architectural design team to ensure the vision of a project does not get hampered by the systems



*FLL Terminal 2  
In-Line Baggage BIM Model*



but are instead enhanced. The engineering team supports the design in Revit and uses engineer-specific tools such as ASHRAE 55 Comfort Tool, EnergyPro, RAM Structural Systems, SKM, and Navisworks.

Visualization tools, including real-time rendering and virtual and augmented reality enable better understanding of the proposed design and increase efficiency, ensuring deliverables are met in a timely manner. QA is achieved using coordination tools such as Navisworks and BIM 360, ensuring issues are caught early before they become a problem in the field. Finally, our QC processes include regular BIM integrity checks to ensure the highest quality design and documentation are produced.

KEITH's approach to utility and Infrastructure design is not just to provide a cost effective, innovative design for current design projects online, but to look at the design with potential growth in mind and how projects will be serviced in the future, as new development and expansion takes place. KEITH understands the importance of designing with the future in mind. KEITH has the capacity and expertise to model existing surfaces through the use of laser scans/3D point clouds and proposed surfaces, underground utilities utilizing Civil 3D, as well as importing/coordinating other building information models on or adjacent to the site. With this knowledge, the Owner can consider potential savings in evaluating proposed projects, layouts of new buildings and facilities, preparing cut and fill calculations and

quantity estimating/take offs, not to mention the advantage of having accurate data for future development, facility management and analysis of life cycle costs.

KEITH utilizes formulated guidelines to obtain all newly installed infrastructure, as well as field as-built information and test hole data in a digital geo-referenced format. The use of Building Information Modeling (BIM) as a deliverable allows for the owner to maximize their ability to have the data managed in all formats (Revit/AutoCAD Civil 3D, COBie data and GIS) and for that data to be utilized throughout the life span of the facility.

KEITH's experience with BIM is extensive, covering the building life cycle from, virtualizing existing conditions, to Design and Construction. In addition to Civil modeling, we have experience with modeling and collaborating with all the other major disciplines and trades both during design and construction. We have handled projects big and small, including residential, commercial and healthcare. The KEITH Team will document the existing site into BIM using information from our Survey Team. From there, a geolocated Site BIM can be used by the entire Design Team as a starting point. The internal disciplines including civil engineering, landscape architecture and SUE will inform and develop the Design Civil Information Model (CIM) through the design stages. Revit Models will be shared regularly with the overall team to be visualized coordinated and managed in either NavisWorks or Autodesk BIM 360.

***c: Describe the Prime and/or Subconsultants experience in dealing with and obtaining permits/licenses/approvals with the following regulatory agencies/divisions: South Florida Water Management District (SFWMD), Broward County Environmental Protection and Growth Management Department (BCEPGMD), Florida Department of Transportation (FDOT), Federal Aviation Administration (FAA), Broward County Water and Wastewater Services (BCWWS), Federal Emergency Management Agency (FEMA), and Florida Department of Environmental Protection (FDEP).***

Cartaya and Associates has extensive experience in dealing and obtaining permits/licenses/approvals with all of the regulatory agencies/divisions listed. We have designed approximately eight hundred (800) projects built throughout Florida in strict compliance with the Florida Building Code. About six hundred (600) of these projects, which include dozens of projects for Broward County Aviation Department, were designed and built in unincorporated Broward County and Pembroke Pines in strict compliance with their individual jurisdictions.

Over the last five years Cartaya has completed dozens of projects at Fort Lauderdale-Hollywood International Airport which is located in unincorporated Broward County and governed by BCAD as well as many projects at North Perry Airport which is located in Pembroke Pines and is governed by the Pembroke Pines Building Department. Cartaya has permitted projects such as Wayman Aviation Academy at North Perry Airport, LaDiM Aviation T-Hangars at North Perry Airport, North Perry Airport Perimeter Security Phase I and the 173,630 SF Pembroke Pines City Center.

To help facilitate an orderly flow of our design services, KEITH will also utilize a hands-on approach for Permitting, meeting early in the process with regulatory agencies having jurisdiction over the site to evaluate their standards and assess the issues relative to their approval processes. The initial step is to collect data and research existing approved documents/permits and/or agreements, Utility Atlas Maps or As-builts and review FEMA Maps. We also review GIS information to determine if there are, for example, any utilities, wetlands, well-field zones or contaminated sites on the property. Based on the information collected, the Design Team will meet with the various Agency representatives to determine their jurisdiction, as well as any specific requirements for the project.

KEITH then creates a Summary of Permits Log/Schedule listing all the required permits (or other approvals), agencies, agency contacts and the status of each permit/approval. Our team's project approach includes permitting as a specific task in our scheduling process and given the magnitude of the assignment, schedules may be updated more frequently to assure compliance with the overall project schedule. The team's experience in dealing with the regulatory agencies enables us to secure the necessary permits in a most expeditious manner.

KEITH is extremely familiar with the jurisdictional agencies affecting the City of Hollywood including FDOT, SFWMD, USACOE, FDEP and Broward County as well as the City of Hollywood's advisory board approvals for entitlements including General Obligation Bond (GOB) Advisory Board, Pre-Application Conceptual Oversight Committee (PACO), Technical Advisory Committee (TAC), Planning and Zoning Board (PZB), City Commission. KEITH also has dedicated personnel familiar with permitting requirements (ePlan), and Engineering Permits/PWR process, among others.

Additionally, RS&H has many years of successful and extensive local project experience and has developed significant positive working relationships with the local, state, and federal jurisdictional agencies involved in Broward County projects. These relationships and experience greatly help RS&H fully understand design and permitting requirements on BCAD projects. This also helps RS&H staff navigate and expedite the permitting review/approval process efficiently through the different agencies which can provide significant cost savings and time to BCAD. RS&H's staff continue to proactively participate in local Broward County workshops in order to understand future changes that can affect local design and permitting requirements. Recently, RS&H has participated in several Broward County Resiliency and 100-Year Flood Map Workshops



in order to stay current with evolving changes to requirements that can have significant impacts to airport project design and construction. RS&H staff continues to work directly with Broward County Environmental Protection and Growth Management Department (BCEPGMD), Building

Code Services (BCS), Broward County Water and Wastewater Services (BCWWS), South Florida Water Management District (SFWMD) along with many additional agencies on a regular basis to meet jurisdictional permit requirements for numerous projects throughout Broward County.

---

***d: Describe the Prime and/or Subconsultants experience providing construction administration services and engineering inspections during the construction phase of the project.***

Cartaya and Associates has over 42 years of providing Construction Administration services on hundreds of projects. Our team strives to provide the best service to our clients, while delivering projects under budget and on time. Our Construction Administration experience is enhanced with a constant interaction and comprehensive coordination with consultants and our internal senior personnel for quality control. Our past performance with over twenty Governmental Agencies, including Broward County Aviation Department, brings significant depth, diversity, and experience to the table without the costly learning curve of working with the City and County Agencies. Our proven track record assisting City Staff, providing quality service and remarkable Architecture and Engineering, with the highest degree of skill and professionalism has resulted in the successful completion of hundreds of governmental projects within South Florida.

As the head of our RPR Services, Mr. Tom Sidoti brings over 40 years of experience to the team which includes eleven years with the Broward County Building and Permitting Department and nine years with the Broward County Environmental Licensing and Building Permitting Department. During the past seven years with Cartaya he has worked on projects which include:

- FLL Garage Repairs
- FLL Concourse A Roadway Barrier
- FLL Cabot Building Lobby Security
- Whiddon Rogers Education Center
- Port Bond Assessment 2017,2019,2021
- EvolvTec Site
- Miramar Megacenter

Another important team member is our head of Construction Administration, Mr. James Downey. Mr. Downey has over 35 years of experience in Construction Administration and has served as a project manager, draftsman, project engineer, design and code consultant, designer, and estimator. He brings significant experience in to the Cartaya Team. During the past six years with Cartaya he has worked on projects which include:

- FLL EOC Relocation
- FLL Security Offices
- Pembroke Pines City Center
- Miramar Police Headquarters
- Broward County Judicial Complex
- United Way of Broward Jean & David Colker Center
- Fort Lauderdale Aquatic Center Renovations

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



RS&H is also accustomed to providing construction administration and engineering inspections during construction on BCAD's projects. Not only do they review shop drawings and contractor RFIs on every project for technical accuracy and to ensure the quality of the constructed elements, but they also utilize their knowledge of the other ongoing, and oftentimes overlapping, development projects and consider wholistic impacts to BCAD's facilities and infrastructure. RS&H also looks to protect the best interests of BCAD Maintenance with the constructed systems and elements that we inspect.

The Cartaya Team has unparalleled knowledge of BCAD's FLL and HWO facilities having performed projects in almost all existing buildings. The Team will expound upon this specific BCAD facility knowledge and extensive experience with BCAD and County procedures to immediately provide excellent professional consulting services for the Broward County Aviation Department at the onset of this assignment. The information that follows in this section demonstrates that Cartaya and its core Team members have established a comprehensive resume of project experience, most specific to FLL and HWO, which aligns with the anticipated projects of this assignment.

**NO OTHER CONSULTANT HAS THE LEVEL OF KNOWLEDGE AND UNDERSTANDING OF THE EXISTING BCAD FACILITIES AS THE CARTAYA TEAM AND ITS KEY PERSONNEL.**





## 4. Workload of the Firm

*For the prime Vendor only, list all completed and active projects that Vendor has managed within the past five years. In addition, list all projected projects that Vendor will be working on in the near future. Projected projects will be defined as a project(s) that Vendor is awarded a contract but the Notice to Proceed has not been issued. Identify any projects that Vendor worked on concurrently. Describe Vendor's approach in managing these projects. Were there or will there be any challenges for any of the listed projects? If so, describe how Vendor dealt or will deal with the projects' challenges.*

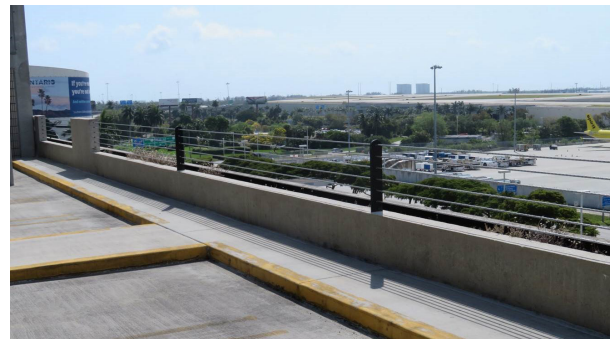
### Cartaya Commitment

Cartaya understands that the availability of staff is crucial to the ultimate success of this project. The firm's strong reputation was built on its ability to marshal whatever resources are necessary to successfully complete its assignments as promised. Cartaya believes this commitment and dedication has been evident to FLL and BCAD over past years. Cartaya understands the commitment necessary to complete this assignment and is prepared to lead the team's efforts to ensure a positive outcome. Each key staff individual has enough availability and support staff to complete this project within the required schedule.

### CARTAYA COMMITS TO PROVIDING THE STAFF AND RESOURCES REQUIRED TO MEET THE SCHEDULE DEMANDS OF THIS PROJECT.

### Availability

To supplement Cartaya's significant depth of resources, the team includes RS&H and Jacobs Engineering Group. The three firms have an established working relationship and integrated file sharing software and processes. This successful Team has proven its ability to consistently work to meet BCAD's crucial deadlines for projects to proceed efficiently. The extensive resources available to Cartaya, RS&H and Jacobs Engineering Group are such that it can provide immediate and uninterrupted service for this assignment. Furthermore, staff in Fort Lauderdale offices, the key team leadership, and its considerable resources are available to support this assignment, without



FLL Garage Improvements

conflicting with other projects, and will provide fully qualified technical experts for the duration of the assignment.

### Cartaya Workload

All key personnel workloads allows for key individuals and the entire proven Cartaya Team, to immediately begin the design for this assignment. Listed below are all Cartaya's active, projected, and completed work:

### Active Projects

- FLL Terminal Connectors
- FLL RCC, Hibiscus, Cypress and Palm Garage Improvements
- FLL Perimeter Security South Runway
- HWO Perimeter Security Enhancements
- Pompano Beach Public Safety Complex Interior Renovations
- Fort Lauderdale Aquatic Center Renovations
- Weston Community Center
- South Regional Courthouse Pre-Design Study

(continued)



Conceptual design of FLL Terminal Connector Bridge Pedestrian View

### Active Projects Continued

- Miramar MegaCenter
- Broward County Courthouse Complex Renovation
- Port Everglades T2/T4 Parking Garage
- Whiddon Rogers Education Center Renovations
- Private Fixed Based Operator (FBO) at FLL
- Weston Fire Station No. 21 Owner's Representative Service
- North Regional Courthouse Study
- Davie Town Hall Design Criteria Package
- Ronald McDonald House

### ○ Completed

- Pop Travers Park Renovations
- The Main Las Olas
- Pembroke Pines City Center
- Miramar Police Headquarters
- FLL International Airport Public Safety Facility
- JAFco Interior Build Out
- Green Park Office Build Out
- North Lauderdale Fire Station Renovations
- Apotex Facility

- Wayman Aviation School
- Blanche Ely Museum
- City of Pompano Beach Park Restrooms
- Keolis Temporary Trailers at FLL
- Spirit Airlines Training Center
- Spirit Airlines OCC
- Spirit Airlines IT Room

Cartaya's approach to each of these projects listed was the same as what is given in the Project Approach section of this proposal. The Cartaya Team's approaches every project with dedicated and proficient professionals whose efforts are coordinated by an experienced project manager in close coordination with our Client through all project phases; Planning and Programming, Design Services, Construction Administration and Resident Project Representative Services. Additionally, Cartaya is very considerate of operational, safety and security issues that may affect the Client in each project. This project approach has been repeatedly tested and proven successful. Each project has its challenges, but Cartaya's approach allows for all challenges to be appropriately managed and mitigated so as to not become a noteworthy footnote to our projects.

## 5. LOCATION

***Refer to the Location Certification Form and submit as instructed. The maximum points shall be assigned to each Locally Based Business and to each joint venture that is composed solely of Locally Based Businesses.***

Cartaya and Associates Architects is a local firm and has submitted the Location Certification Form as instructed.

## 6. Willingness to Meet Time and Budget Requirements

***The specific projects requiring professional services under the agreement have not yet been confirmed. 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 when identified under this agreement***

The Cartaya and Associates Architects P.A. (Cartaya) Team is committed to meeting project time and budget requirements identified under this assignment. Our Team is committed to dialogue and proper communication with BCAD Staff, Local Leaders and Stakeholders, as well as our Engineering Sub-Consultants from the Pre Design Analysis until the completion of Construction, in order to ensure prompt project delivery based on BCAD's expectations and within the established budget. We have an established successful track record on BCAD projects, keeping them on schedule and within budget.

For details on how exactly the Cartaya Team will approach the successful execution of this Professional Consulting Services assignment on time and on budget, please refer to the Project Approach section for the details of this proposal. In general, the Cartaya Team has a BCAD-tested and successful approach to its projects based on the following key project components:

- Planning and Programming
- Design Services
  - Reports, Assessments and Code Research
  - Renderings and 3D Modeling
  - Schematic Design
  - Design Development

- Construction Documents
- Quality Control
- Construction Administration and Resident Project Representative Services
- Operational, Safety and Security Issues

During the Design and Construction Document process, the Cartaya Project Manager, along with key consultants, will spearhead an effort to seek out cost effective solutions by working with General Contractors, Subcontractors and Product Vendors. Using a truly collaborative effort with our cost estimator, CMS Construction Management Services, we will not only develop Construction Cost Estimates at the end of each Design Phase but explore Value Engineering options during the entire Design Process.

For exactly who the key personnel are that will execute the project approach on time and on budget, please refer to the Ability of Professional Personnel section of this proposal. The Cartaya Team is extremely willing and eager to get started and work with BCAD staff to execute this assignment on time and within budget.

## 7. VOLUME OF PREVIOUS WORK

***Refer to Volume of Previous Work Attestation Form and the Volume of Previous Work Attestation Joint Venture Form and submit as instructed.***

Cartaya and Associates Architects submitted the Volume of Previous Work Attestation Form and the Volume of Previous Work Attestation Joint Venture Form as instructed.



## MARIO CARTAYA, RA

Principal-in-Charge | Principal Architect

### Qualifications

Mr. Cartaya is the Founder and Principal Architect/Owner of Cartaya and Associates Architects. In the past 42 years he has built one of the area's most stable and successful Architectural Firms. His work has been recognized in several magazine and newspaper articles and covers. He has received numerous local and national awards including five ) Proclamations from or within Broward County.

His experience includes over years of experience at Fort Lauderdale Hollywood International Airport with over projects. His work also includes hundreds of public governmental projects with over municipalities most of which being located in Broward County.

### Relevant Experience

- **Professional Consulting Services for FLL North Perry Airports Buildings the current bcad continuing services contract).** Since the Cartaya and Associates Architects Design Team has been providing architectural and engineering services for Broward County Aviation Department as part of a continuing services contract which includes Pre Design Programming Design Construction Documents Construction Administration and Resident project Representative services for new building construction and modifications alterations and improvements to existing buildings structures offices and accessory buildings that are landside and airside at the Fort Lauderdale Hollywood International Airport and North Perry Airport. Over projects have been authorized ranging from very small renovations such as the ARFF Air Curtain addition or Palm Garage Precast Panel Replacement to multimillion dollar Terminal Connector additions and Garage Improvements
- **Fort Lauderdale Hollywood International Airport Fort Lauderdale Hollywood International Airport Terminal Connectors.** This Terminal Connectors project consists of two post security connectors one between Terminals and and a second between Terminals and With these Connectors passengers will be able to easily navigate from one Terminal to another The Terminal to Connector is stories feet long sf and includes moving walkways and a Terminal expansion that includes public restrooms business and retail The Terminal to Connector is also stories feet long sf and it creates a covering over the Ground Transportation Area to provide shelter for passengers waiting for their bus Both Connectors are designed as



### Professional Credentials

*Bachelor of Architecture - Magna  
Cum Laude*

*University of Florida - 1974*

*Masters in Building Construction  
High Honors*

*University of Florida - 1975*

*American Institute of Architects  
#38290318*

*Florida Registered Architect &  
Planner #AR0007787*

*NCARB Registration*

*Uniform Building Code Inspector's  
License*

### Distinguishing Highlights

*Over 18 years experience with  
over 23 projects at FLL including  
Terminal 1 Concourse B & C and  
the Consolidated Car Rental  
Facility.*

*Over 35 years experience in  
Broward County including  
Broward County Civil/Family  
Courthouse and Broward College  
Fine Arts Building.*

*National Local recognitions for  
his work including recent front  
page of the Sun Sentinel*

**Mario Cartaya**

- **Terminal Connectors Continued** "Assembly Use" for future Terminal expansion and enhance the passenger experience by offering various floor level amenities and continuous views to both ramp and landside activities. Of special note, an existing underground diesel fuel tank will remain under the new Terminal expansion thus requiring special Terminal Connector foundations located within feet of the tank relocation of the fueling vent station fuel line and modifications to the fuel pump piping. Replace corroded rusty automatic transfer switches and electrical panels in Palm and Hibiscus Garages.
- **Fort Lauderdale Hollywood International Airport Terminal Concourse H International Arrivals Sterile Corridor Extension** Enhancements encompass the design and construction oversight as part of the Resident Project Representative (RPR) services for the phased interior renovation of the Gate SF concourse. The scope includes the extension of the Sterile Corridor system, new Men's and Women's Restrooms, relocation of an existing concession, SF of new ceilings, flooring, lighting, new wall finishes, holding area seating redistribution and under seating cellular phone and computer laptop charging stations.
- **Fort Lauderdale Hollywood International Airport Terminal Lobby Ticketing Redesign and In Line Baggage.** Project scope encompasses the removal and re-design of the existing Baggage Handling System to provide a state-of-the-art In Line Baggage Screening System. Alterations and additions in support of the new In Line Baggage System include a EDS Screening Room, CBRA Room, BHS Control Room, TSA OSR/MUX Rooms, TSA Break Room, Delta North Offices, refurbishing of existing office space, concession modifications, Delta/Air Canada Ticket Offices, Delta BSO, TSA Offices, Ticket Lobby Counter Area, TSA SSCP queuing layout, and upgrades to HVAC, Plumbing, Data, Electrical Power and Security infrastructure.
- Fort Lauderdale Hollywood International Airport Master Plan in association with Leigh Fisher)
- Fort Lauderdale Hollywood International Airport Consolidated Rental Car Facility in association with Spillis Candela and Partners)
- Fort Lauderdale Hollywood International Airport TSA Renovations
- Fort Lauderdale Hollywood International Airport Terminal Concourses B & C in association with HOK)
- Fort Lauderdale Hollywood International Airport Continental Airways Offices Land Based Facilities
- Fort Lauderdale Hollywood International Airport Runway Expansion Program Exterior Tunnel Aesthetic Design in association with Atkins + RS + H Team)
- Several Fort Lauderdale Hollywood International Airport Kiosks and Concessions
- Fort Lauderdale Hollywood International Airport Taxi lanes Aprons East of Concourse B Terminal – Fuel Lines As Built in association with Gresham Smith)
- Fort Lauderdale Hollywood International Airport Demand Capacity Assessment Passenger Survey Database T1-4
- Fort Lauderdale Hollywood International Airport Terminal Planning Study in association with Jacobs Consultancy)
- Fort Lauderdale Hollywood International Airport Terminal Concourse A Design Development in association with Gresham Smith)
- Fort Lauderdale Hollywood International Airport Central Processing Study in association with Landrum Brown)
- Fort Lauderdale Hollywood International Airport Terminal Airport Terminal Planning Services – Terminals and Field Survey in association with Jacobs Consultancy)
- Fort Lauderdale Hollywood International Airport Broward Duty Free Improvements at Terminal
- Fort Lauderdale Hollywood International Airport GEC Services Utility Study in association with RS + H)
- Fort Lauderdale Hollywood International Airport Continental Airlines Office Build out – Terminal
- Fort Lauderdale Hollywood International Airport Northwest Airlines Office Build out – Terminal





## ROGER LEBIDA RA

### Aviation Director

#### Qualifications

Mr Lebida has over 25 years of experience in architecture project management, contract negotiations programming construction management, master planning construction administration and QA QC review His experience includes over 100 projects at Fort Lauderdale Hollywood International Airport, higher education facilities such as the FAU BC Higher Education Complex in downtown Fort Lauderdale existing conditions reports or facility assessments for 10 buildings for the City of Pompano construction document QA QC reviews numerous renovations management of continuing services contracts FDOT Cut/Reface projects hurricane damage assessment reports design build projects and more

#### Relevant Experience

- **Professional Consulting Services for FLL North Perry Airports Buildings the current bcad continuing services contract).** Since 2015 the Cartaya and Associates Architects Design Team has been providing architectural and engineering services for Broward County Aviation Department as part of a continuing services contract which includes Pre Design Programming Design Construction Documents Construction Administration and Resident project Representative services for new building construction and modifications alterations and improvements to existing buildings structures offices and accessory buildings that are landside and airside at the Fort Lauderdale Hollywood International Airport and North Perry Airport. Over 100 projects have been authorized ranging from very small renovations such as the ARFF Air Curtain addition or Palm Garage Precast Panel Replacement to multimillion dollar Terminal Connector additions and Garage Improvements
- **Fort Lauderdale Hollywood International Airport Fort Lauderdale Hollywood International Airport Terminal Connectors.** This Terminal Connectors project consists of two post security connectors one between Terminals 1 and 2 and a second between Terminals 1 and 3 With these Connectors passengers will be able to easily navigate from one Terminal to another The Terminal to Connector 1 is 1.5 stories 100 feet long 100,000 sf and includes moving walkways and a Terminal expansion that includes public restrooms business and retail The Terminal to Connector 2 is also 1.5 stories 100 feet long 100,000 sf and it creates a covering over the Ground Transportation Area to provide shelter for passengers waiting for their bus Both Connectors are designed as Garages



#### Professional Credentials

Bachelor of Architecture - Virginia  
Tech

Masters in Building Construction  
High Honors

University of Florida - 1975

American Institute of Architects  
#38290318

Florida Registered Architect &  
Planner #AR0007787

NCARB Registration

Uniform Building Code Inspector's  
License

#### Distinguishing Highlights

For over a decade Roger managed the Fort Lauderdale/Hollywood International Airport FLL Architectural Engineering Continuing Services agreement between SingerArchitects and Broward County. Roger managed over one hundred fifty projects at the Fort Lauderdale - Hollywood International Airport during this time Projects included renovations tenant build outs various electrical and structural studies sitework projects security checkpoint upgrades and more

**Roger Lebida**

- **Terminal Connectors Continued** "Assembly Use" for future Terminal expansion and enhance the passenger experience by offering various floor level amenities and continuous views to both ramp and landside activities. Of special note, an existing underground diesel fuel tank will remain under the new Terminal expansion thus requiring special Terminal Connector foundations located within feet of the tank relocation of the fueling vent station fuel line and modifications to the fuel pump piping. Replace corroded rusty automatic transfer switches and electrical panels in Palm and Hibiscus Garages.
- **Fort Lauderdale Hollywood International Airport Rental Car Center (RCC) Hibiscus Cypress Palm Garage Improvements** This million Construction project began with the Design Team preparing an Existing Conditions Report that assessed and identified all garage components with physical defects or wear that were in need of repair or replacement and to create a construction budget. Once the scope was finalized Construction Documents were prepared the project was bid and permitted and construction is ongoing. The areas in need of repairs or replacement includes replacing corroded and leaking components of the RCC vehicle fueling system replacing fans for the rooftop exhaust fan system that serve the first floor vehicle fueling car wash area of the RCC replacing a variety of corroded louvers hollow metal doors and frames fire extinguishers and fire hose cabinets and exhaust fans replacing HVAC condensing units and heat pumps in the RCC and replacing cooling tower and associated fire sprinklers valves and water pump just to name a few.
- **Fort Lauderdale Hollywood International Airport Concourse A Barrier** At the Fort Lauderdale/Hollywood International airport, the Broward County Aviation Department desired an exterior barrier to protect the southeast glass corner of Concourse A from vehicular damage and/or a security breach. Our work included the addition of decorative yet structural illuminated stainless steel bollards along the east and southeast areas of Concourse A. The challenge of maintaining existing establish landscaping and avoiding significant underground utilities was successfully accomplished through a collaborative effort between the Design Team and Contractor.
- FLL Perimeter Security Fencing and Gates
- FLL Emergency Operations Build Out
- HWO Perimeter Security
- FLL Entry Sign Replacement
- FLL Garage Repairs
- FLL Lobby Security Renovations
- Concourse A Roadway Barrier
- New FLL Security Facility
- Credentialing Office Relocation Build out
- Private Fixed Based Operator (FBO) Jetscape
- Wayman Aviation Academy Flight School
- Aerial Banners Masterplan
- MIA Delta Airlines Inflight lounge
- MIA Delta Airlines Training Break Room Renovations
- Spirit Airlines Training Center Renovations
- Spirit Airlines IT Renovations
- Spirit Airlines Pilot Training Center
- Travelex Concession Renovations
- FLL Remoted Terminal Masterplan
- PBIA Clear Channel Renovations





## **JUAN JUSTINIANO AIA AICP LEED GA**

### **Buildings Quality Control Project Architect**

#### **Qualifications**

Juan Justiniano has been with Cartaya and Associates since He has been practicing Architecture and Planning for over years and thus brings significant experience in private and public projects to our Company.

His private endeavors entail a notable amount of architectural work in single family and multifamily residential developments

His managerial experience with planning public entities and participation in the development of master and comprehensive plans also bring critical expertise to our firm He has complemented his professional practice with an active involvement in teaching architecture and urban planning.

#### **Relevant Experience**

- **Professional Consulting Services for FLL North Perry Airports Buildings the current bcad continuing services contract).** Since the Cartaya and Associates Architects Design Team has been providing architectural and engineering services for Broward County Aviation Department as part of a continuing services contract which includes Pre Design Programming Design Construction Documents Construction Administration and Resident project Representative services for new building construction and modifications alterations and improvements to existing buildings structures offices and accessory buildings that are landside and airside at the Fort Lauderdale Hollywood International Airport and North Perry Airport. Over projects have been authorized ranging from very small renovations such as the ARFF Air Curtain addition or Palm Garage Precast Panel Replacement to multimillion dollar Terminal Connector additions and Garage Improvements
- **Terminal In Line Baggage Screening System and Ticket Lobby Renovation Broward County Aviation Department Fort Lauderdale Hollywood International Airport Architect Project Manager** As part of a design build team responsible for planning interior design preparation of construction documents QA QC and construction administration phase services for the retrofit of passenger Terminal to accommodate a state of the art In Line Baggage Screening System CBRA room TSA OSR/MUX room BHS Control room TSA Breakroom North offices existing office space refurbishing ticketing offices ticket lobby counter area, passenger security screening queuing and concession modifications



#### **Professional Credentials**

*Bachelor of Architecture  
Specialization in Structures Texas  
Tech University - 1986*

*Masters in City Planning Fulbright  
Scholar Georgia Institute of  
Technology - 1992*

*American Institute of Architects  
30063757*

*Florida Registered Architect  
#94371*

*NCARB Registration*

*American Institute of Certified  
Planners #141945*

*LEED Green Associate*

#### **Distinguishing Highlights**

*Over 20 years of experience  
in architecture and project  
management.*

*Experience at Fort Lauderdale  
Hollywood International Airport  
including over 15 projects.*

*Extensive experience with  
Broward County.*





*Juan Justiniano*

- **Fort Lauderdale Hollywood International Airport Terminal Concourse H International Arrivals Sterile Corridor Extension** Enhancements encompass the design and construction oversight as part of the Resident Project Representative (RPR) services for the phased interior renovation of the Gate SF concourse. The scope includes the extension of the Sterile Corridor system new Men's and Women's Restrooms relocation of an existing concession SF of new ceilings and flooring new wall finishes holding area seating redistribution and under seating cellular phone and computer laptop charging stations
- **Fort Lauderdale Hollywood International Airport Terminal Lobby Ticketing Redesign and In Line Baggage.** Project scope encompasses the removal and re design of the existing Baggage Handling System to provide a state of the art In Line Baggage Screening System. Alterations and additions in support of the new In Line Baggage System include a EDS Screening Room CBRA Room BHS Control Room TSA OSR/MUX Rooms TSA Break Room Delta North Offices refurbishing of existing office space concession modifications Delta/Air Canada Ticket Offices Delta BSO TSA Offices Ticket Lobby Counter Area, TSA SSCP queuing layout, and upgrades to HVAC Plumbing Data, Electrical Power and Security infrastructure.
- Fort Lauderdale Hollywood International Airport Master Plan in association with Leigh Fisher)
- Fort Lauderdale Hollywood International Airport TSA Renovations
- Several Fort Lauderdale Hollywood International Airport Kiosks and Concessions
- Fort Lauderdale Hollywood International Airport Taxilanes Aprons East of Concourse B Terminal – Fuel Lines As Built In association with Gresham Smith)
- Fort Lauderdale Hollywood International Airport Demand Capacity Assessment Passenger Survey Database T1-4
- Fort Lauderdale Hollywood International Airport Terminal Planning Study in association with Jacobs Consultancy)
- Fort Lauderdale Hollywood International Airport Terminal Concourse A Design Development in association with Gresham Smith)
- Fort Lauderdale Hollywood International Airport Terminal Airport Terminal Planning Services – Terminals and Field Survey in association with Jacobs Consultancy)
- Fort Lauderdale Hollywood International Airport Broward Duty Free Improvements at Terminal
- Fort Lauderdale Hollywood International Airport Terminals Screening Modifications
- Fort Lauderdale Hollywood International Airport Terminals TSA Build outs

## **TONY HERRERO AIA LEED AP BD+C**

### **Architectural Project Manager**

#### **Qualifications**

Mr Herrero has over 30 years of experience in site master planning urban design feasibility studies programming architecture interior design historic preservation contract documents sustainable design implementation and commissioning QA QC reviews constructability reviews value engineering bidding permitting construction administration field observation record drawings facility and accessibility assessments Projects include aviation terminals and concourses in line baggage handling systems hangars aviation support facilities aviation and aerospace manufacturing plants U S Army and U S Navy facilities traffic intelligent management facilities rest areas highway toll plazas security gates tunnel and support facilities intermodal and multi modal facilities railroad terminals rapid transit rail facilities light rail heavy rail people movers city and intercity bus facilities marine seaport facilities cruise passenger terminals administration facilities parking structures commercial office mix use hotels restaurants regional shopping centers retail centers department stores specialty stores movie theaters civic community cultural centers combined power and heating facilities steam generation facilities reverse osmosis and water treatment facilities single family residences and multi family housing.

#### **Relevant Experience**

- **Fort Lauderdale Hollywood International Airport Fort Lauderdale Hollywood International Airport Terminal Connectors.** This Terminal Connectors project consists of two post security connectors one between Terminals and and a second between Terminals and With these Connectors passengers will be able to easily navigate from one Terminal to another The Terminal to Connector is stories feet long sf and includes moving walkways and a Terminal expansion that includes public restrooms business and retail The Terminal to Connector is also stories feet long sf and it creates a covering over the Ground Transportation Area to provide shelter for passengers waiting for their bus.
- **Terminal In Line Baggage Screening System and Ticket Lobby Renovation Broward County Aviation Department Fort Lauderdale Hollywood International Airport Architect Project Manager** As part of a design build team responsible for planning interior design preparation of construction documents QA QC and construction administration phase services for the retrofit of passenger Terminal to accommodate a state of the art In Line Baggage Screening



#### **Professional Credentials**

*Masters of Science Architecture  
Urban Design Columbia  
University*

*Bachelor of Science Architecture  
University of Miami*

*Florida Registered Architect  
#AR0010651*

*Virginia Registered Architect  
#0401015806*

*Licensed Interior Designer Florida  
#ID*

*LEED Accredited Professional BD +  
C #10128121*

*National Council of Architectural  
Registration Boards NCARB*

*U S Green Building Council  
Member USGBC*

#### **Distinguishing Highlights**

*Over 34 years experience with a  
concentration in airports*

*Extensive experience at  
Fort Lauderdale-Hollywood  
International Airport, North Perry  
Airport and BCAD*

*Projects include terminals  
concourses aviation support  
facilities in line baggage  
handling systems hangars*



**Tony Herrero**

System The scope includes coordination with multiple airlines county federal agencies contractors and sub consultants Building alterations and additions to provide a new EDS room CBRA room TSA OSR/MUX room BHS Control room TSA Breakroom North offices existing office space refurbishing ticketing offices ticket lobby counter area, passenger security screening queuing and concession modifications

- **Post Security Enhancements to Terminal Concourse H Broward County Aviation Department Fort Lauderdale Hollywood International Airport Architect** As part of the Resident Project Representative services responsible for the construction oversight for the interior remodeling of an approximate sf gate passenger concourse and sterile corridor extension Scope includes coordination with multiple airlines county federal agencies and specialty consultants Task include preparation of daily field reports ASIs RFI submittals field coordination consultant coordination monitoring of contractor s daily activities work progress performance schedule compliance review of contractor payment requests and punch list preparation
- **Terminals Various Terminal Improvements Broward County Aviation Department Fort Lauderdale Hollywood International Airport Architect of Record** Responsible for the preparation of studies conceptual design design criteria documents construction documents construction cost estimates bidding and construction administration services for miscellaneous terminal facility improvements that included replacement of the vestibule entrance doors entrance and curbside tile floor coordination of new curbside artwork being provided under the Counties Art in Public Spaces program terminal exterior and pedestrian bridge soffit ceilings replacement, elevator upgrades multiple security check point and VIP lounge studies
- **International Airport Terminal Airfield Improvements at Fort Lauderdale Hollywood International Airport Assistant Project Manager** Responsible for the coordination between the client, the design team and local permitting authorities design construction documentation specifications and cost estimating for a new six gate story sf concourse modifications to the existing terminal airside modifications and improvements to the existing apron area, taxiway and over night aircraft parking area.
- **Terminals In Line Baggage Feasibility Study Broward County Aviation Department Fort Lauderdale Hollywood International Airport Architect of Record** Responsible for the preparation of studies conceptual design design criteria documents construction documents construction cost estimates bidding and construction administration services for miscellaneous terminal facility improvements that included replacement of the vestibule entrance doors entrance and curbside tile floor coordination of new curbside artwork being provided under the Counties Art in Public Spaces program terminal exterior and pedestrian bridge soffit ceilings replacement, elevator upgrades multiple security check point and VIP lounge studies
- Hurricane Wilma Property Damage Assessment Report, Fort Lauderdale Hollywood International Airport, Broward County Aviation Department, Broward County FL
- Hurricane Wilma Property Damage Assessment Report, North Perry Airport, Broward County Aviation Department, Pembroke Pines FL
- Hurricane Katrina Property Damage Assessment Report, North Perry Airport, Broward County Aviation Department, Pembroke Pines FL
- Interior Remodeling for Naval Air Warfare Training Center System Division (NAWCTSD) NSA Orlando
- United Airlines Wide Body Hangar Newark Liberty International Airport, Newark NJ
- TFI – F Squadron Fire Pump House Hickam Air Force Base Hawaii Air National Guard Oahu HI
- United Airlines Wide Body Hangar Washington Dulles International Airport, Chantilly VA
- Confidential Terminal Study International Airport, Location Confidential
- Confidential Terminal Study International Airport, Location Confidential



## MARTHA CARVALLO RA

### Architectural Project Manager

Martha Carvallo is a skillful leader and versatile professional with over ten years of experience in architectural design project management, and construction administration for a wide range of projects including institutional residential and educational facilities. She has exceptional knowledge of architectural principles and practices and is an outstanding contributor to the design and documentation during all phases of a project with a proven track record of success in design development, construction documents building codes schedule tracking specifications and life safety among others. Martha is adept at applying knowledge of architectural principles and practices. Focused on coordinating project efforts with architectural and engineering teams.

### Relevant Experience

- **FLL New Security Facility** This project includes Schematic Design Construction Documents Bidding Permitting and Award Construction Administration Resident Project Representative and Warranty phases for the renovation of the existing Fort Lauderdale Hollywood International Airport (FLL) Security Facility located at SW 1st Ave. The scope of this project includes adding and relocating offices conference rooms breakrooms restrooms and storage spaces for current staff and future expansion HVAC upgrades upgrades to windows and doors CCTV COMM and VMF upgrades review and relocating the SIDA line to south side of the building to facilitate ease of circulation in and around the building adding an emergency generator that serves the entire building developing one construction cost estimate at the end of the % Construction Documents Phase and performing a hazardous material study for asbestos.
- Fort Lauderdale Hollywood International Airport Rental Car Center (RCC) Hibiscus Cypress Palm Garage Improvements
- FLL Terminal Terminal Security Building and G G Building Re-roofing
- FLL Concourse A Barrier
- FLL Phase III Emergency Operations Center
- FLL South Runway Security
- FLL ARFF Air Curtains
- FLL IS Comm Rooms
- North Perry Airport Perimeter Security Enhancements Phase I
- North Perry Airport Perimeter Security Enhancements Phase II



### Professional Credentials

*Master of Architecture  
University of Florida*

*Master of Science - Structural  
Engineering  
University of Florida*

*Bachelor of Design  
University of Florida*

### Distinguishing Highlights

*Over a decade of experience in  
project management.*

*Current experience at Fort  
Lauderdale-Hollywood  
International Airport and working  
with BCAD*

*Expertise in AutoCAD and Revit.*



## LAURA SOTOMAYOR

### BIM Manager

Ms. Sotomayor has over a fifteen years of experience focused on BIM Modeling and Management. She Mr Townsend understands the complexities of large infrastructures continuous occupancy of work areas and confidentiality She managed teams of CAD and BIM staff consultants and end users while maintaining high project standards Ms Sotomayor is very adept with design tools such as AutoCAD as well as Revit, and is extremely knowledgeable and experience with COBie which is at the forefront of the Building Information Modeling movement in Architecture and Facilities Management. This expertise will help projects to be more efficient by reducing errors and cutting costs This also brings added value to the client, who has a tool for their day to day operations rather than a set of drawings at the end of the project.

### Relevant Experience

- **Fort Lauderdale Hollywood International Airport Fort Lauderdale Hollywood International Airport Terminal Connectors.** This Terminal Connectors project consists of two post security connectors one between Terminals and and a second between Terminals and With these Connectors passengers will be able to easily navigate from one Terminal to another The Terminal to Connector is stories feet long sf and includes moving walkways and a Terminal expansion that includes public restrooms business and retail The Terminal to Connector is also stories feet long sf and it creates a covering over the Ground Transportation Area to provide shelter for passengers waiting for their bus Both Connectors are designed as Garages "Assembly Use" for future Terminal expansion and enhance the passenger experience by offering various floor level amenities and continuous views to both ramp and landside activities Of special note an existing underground diesel fuel tank will remain under the new Terminal 1 expansion thus requiring special Terminal Connector foundations located within feet of the tank relocation of the fueling vent station fuel line and modifications to the fuel pump piping Replace corroded rusty automatic transfer switches and electrical panels in Palm and Hibiscus Garages.
- FLL Terminal Connectors
- FLL Terminal – Windows Replacement Port Everglades Parking Garage
- Broward County Parking Garage
- Ronald McDonald Jackson Memorial Site



### Professional Credentials

*Bachelor of Architecture  
Catholic University of Colombia*

### Distinguishing Highlights

*Over a decade of experience in  
architecture*

*Current experience at Fort  
Lauderdale-Hollywood  
International Airport and working  
with BCAD*

*Expertise in BIM and COBie*



## **TOM SIDOTI**

### **Head of RPR Services**

As the head of our RPR Services for the past seven years Mr Sidoti brings over years of experience to the team which includes eleven years with the Broward County Building and Permitting Department and nine years with the Broward County Environmental Licensing and Building Permitting Department. Mr Sidoti has extensive management experience in construction projects supervising staff and coordinating with architects engineers and owners for all on site activities for all types of construction

### **Relevant Experience**

- **Fort Lauderdale Hollywood International Airport Rental Car Center RCC) Hibiscus Cypress Palm Garage Improvements**  
This million Construction project began with the Design Team preparing an Existing Conditions Report that assessed and identified all garage components with physical defects or wear that were in need of repair or replacement and to create a construction budget. Once the scope was finalized Construction Documents were prepared the project was bid and permitted and construction is ongoing The areas in need of repairs or replacement includes replacing corroded and leaking components of the RCC vehicle fueling system replacing fans for the rooftop exhaust fan system that serve the first floor vehicle fueling car wash area of the RCC replacing a variety of corroded louvers hollow metal doors and frames fire extinguishers and fire hose cabinets and exhaust fans replacing HVAC condensing units and heat pumps in the RCC and replacing cooling tower and associated fire sprinklers valves and water pump just to name a few
- Concourse A Roadway Barrier
- Cabot Bldg lobby Security
- Evovtec Site
- Port Bond Assessment
- Miramar Megacenter
- Whiddon Rogers Education Center Renovations



### **Professional Credentials**

*CGC License*

*BU # 1420*

*BN # 2181*

*PX # 1894*

### **Distinguishing Highlights**

*Over a forty years of  
construction management and  
RPFR experience.*

*Worked for Broward County  
Building and Permitting  
Department for eleven years*

*Worked for Broward County  
Environmental Licensing and  
Building Permitting Department  
for nine years*

*Current experience at Fort  
Lauderdale-Hollywood  
International Airport and working  
with BCAD*



## JAMES DOWNEY

### Head of Construction Administration

Mr Downey has over 35 years of experience as a project manager draftsman project engineer design and code consultant, designer and estimator. He brings significant experience in both private and public practice to the Cartaya and Associates Architects P.A. Team.

James has a proven ability to manage projects from initial client contact, design development, code research presentation contract drawings project management and interior design. Projects have included hotels office buildings condominiums schools country clubs warehouses retail stores nursing homes fire stations museums and private residences.

### Relevant Experience

- **FLL New Security Facility Renovation** This project includes Schematic Design Construction Documents Bidding Permitting and Award Construction Administration Resident Project Representative and Warranty phases for the renovation of the existing Fort Lauderdale Hollywood International Airport (FLL) Security Facility located at 1301 SW 1st Ave. The scope of this project includes adding and relocating offices conference rooms breakrooms restrooms and storage spaces for current staff and future expansion HVAC upgrades upgrades to windows and doors CCTV COMM and VMF upgrades review and relocating the SIDA line to south side of the building to facilitate ease of circulation in and around the building adding an emergency generator that serves the entire building developing one construction cost estimate at the end of the 100% Construction Documents Phase and performing a hazardous material study for asbestos.
- **FLL Emergency Operations Center Relocation** Emergency Operations Center relocation at Fort Lauderdale Hollywood International Airport (FLL) included development of an existing 10,000 SF space with twenty four (24) work stations video walls LCD monitors additional HVAC capacity numerous additional electrical receptacles phone receptacles and data receptacles. Cartaya's coordination efforts with the owners EOC manager and technical expertise ensured a smooth transition from the existing EOC to this new one.
- Pembroke Pines City Center
- Miramar Police Headquarters
- Broward County Judicial Complex
- United Way of Broward Jean David Colker Center
- Fort Lauderdale Aquatic Center Renovations



### Professional Credentials

Palm Beach Community College  
Associate's of Architecture  
Weymouth Vocational Technical  
High School Structural Drafting  
and Design

### Distinguishing Highlights

Over a 35 of experience in  
construction administration  
  
Current experience at Fort  
Lauderdale-Hollywood  
International Airport and working  
with BCAD



## JOHN CARRIGAN, PE, LEED AP

### Engineering Leader

#### Qualifications

Mr John Carrigan has years of aviation specific terminal and airport facility experience. He has served as either Project Officer or Director Manager on various airport terminal and facility projects throughout the State of Florida and nation including airport bridge structure repairs structural investigations and repairs several airport terminal expansions baggage systems building systems replacements aesthetic roadway canopies multistory parking garages ATCTs corporate hangar facilities and at airports throughout the country.

#### Relevant Experience

*Fort Lauderdale Hollywood International Airport, FL:*

- Terminal Modernization – Project Officer
- Terminal Modernization – Project Officer
- Terminal CA and Commissioning – Project Officer
- Terminal Connector Bumpout – Project Officer
- Terminal Wall Panel Repair – Project Officer
- Terminal Connectors – Project Officer
- Building Renovation – Project Manager
- Palm Garage Evaluation and Repairs – Project Manager
- Buildings Assessment – Project Manager
- New South Runway R- L – Structural Engineer
- Garages Assessment – Project Officer
- Airfield Modifications – Structural Engineer
- Apron Ramp Visualization – Project Manager
- Exit Roadway and Valet Improvements – Project Officer
- Perimeter Security – Project Officer
- Utility Atlas Update – Project Manager
- Noise Mitigation IFR – Project Manager
- Cell Lot Perimeter Road Improvements – Project Officer
- Public Safety Facility – Project Manager
- Roof Replacements – Project Manager
- South Runway Bridge Inspections – Project Officer

*Miami International Airport, FL:*

- CBIS Commissioning – Project Officer
- Construction Inspection Services Oversight of Fueling and Apron Construction – Project Manager
- Fire Hydrant Replacement Runway – Project Officer
- Concourse E Airside Improvements E Satellite Apron Modifications Pavement Repair Markings Package and Passenger Boarding Bridge Installation – Project Manager

*Tampa International Airport, FL:*

- Welcome Feature – Lead Structural Engineer
- North Terminal Air Cargo Tunnel – Project Manager



#### Professional Credentials

Bachelor of Civil Engineering  
Georgia Institute of Technology

Registered Professional  
Engineer: Florida  
plus other states

Structural Engineer in states

LEED Accredited Professional

American Concrete Institute

American Institute of  
Steel Construction

#### Distinguishing Highlights

years of aviation  
specific experience

Worked on more than  
projects at FLL

Vice President of RS&H and has a  
pulse on every project going on

Worked as a Project Manager on  
more than airport projects

Structural design experience at  
more than Florida airports

John's entire professional career  
has been in RS&H's Aviation  
Practice which affords him  
extensive relationships  
with Aviation associates





## JOE BARBERA, PE

### Airfield Civil Engineering

#### Qualifications

Mr Joe Barbera is responsible for civil engineering assignments consisting of various tasks in design plan and specification development, and construction administration with projects involving drainage grading airfield geometry navigational aids airfield lighting marking pavement design and cost estimation for RS Hs Aviation Practice

#### Relevant Experience

Fort Lauderdale Hollywood International Airport, FL:

- Terminal Modernization – Civil Engineer
- Terminal Modernization – Civil Engineer
- Terminal Connectors – Civil Engineer
- Terminal CA Commissioning – Civil Engineer
- Terminal Bumpouts – Civil Engineer
- Terminal Connector Bumpout – Civil Engineer
- Terminal Chiller Plant Upgrade – Civil Engineer
- Terminal Generator Replacement – Civil Engineer
- Terminal Lower Level Crosswalk – Civil Engineer
- Terminal Irrigation Line – Civil Engineer
- Terminal Misc Gate Markings – Civil Engineer
- Terminal Post Security – Resident Project Representative
- Building Renovation – Civil Engineer
- Utility Atlas Update – Civil Engineer
- Airfield Modifications – Resident Project Representative
- Cell Lot and Perimeter Road Improvements – Project Manager
- New South Runway R- L – Airfield Design
- North Runway Pavement Restoration – Civil Engineer
- North Runway Peer Reviews – Civil Engineer
- North Runway Emergency Repairs – Civil Engineer
- Continuous Stormwater Services – Civil Engineer
- South Runway Bridge Inspections – Project Manager
- South Runway Stormwater Basin Mods – Project Manager
- Taxiway C West CA RPR – Civil Engineer
- Apron Ramp Visualization – Civil Engineer
- Exit Roadway and Valet Improvements – Project Manager
- Garages Assessment – Civil Engineer
- North Perimeter Road Widening – Civil Engineer
- Perimeter Security South Runway – Civil Engineer



#### Professional Credentials

Master of Science,  
Civil Engineering Western  
Michigan University

Bachelor of Science,  
Civil Engineering Western  
Michigan University

Registered Professional  
Engineer: Florida

#### Distinguishing Highlights

+ FLL projects

+ Florida airport projects

Extensive FLL experience with  
civil engineering assignments  
consisting of various tasks  
in design plan and  
specification development,  
and construction administration

FLL project experience involving  
drainage grading airfield  
geometry navigational aids  
airfield lighting marking  
pavement design and  
cost estimation

Thorough in research and  
implementation of airside and  
landside civil engineering projects  
at airports and has spent his  
entire career performing  
these services

Has insight into what South  
Florida airports need from  
building materials to agency  
coordination and more

**RS&H**

**CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.**

## MIKE STRICKLER, PE

### Airfield Civil Engineering

#### Qualifications

Mr Mike Strickler serves as an Aviation Engineer for RS & H's Aviation Practice. He has 15 years of experience providing project engineering services on a variety of projects which encompass all aspects of engineering design and construction administration. Mike's areas of expertise include project design and development, including all aspects of grading, drainage, geometry, and pavement design, as well as performing construction inspection and management.

#### Relevant Experience

- Terminal Modernization Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Terminal Lower Level Crosswalk Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Terminal Misc Gate Markings Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Terminal Post Security Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- New South Runway R- L Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Runway L Grind Regroove Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Utility Atlas Update Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Airfield Modifications Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- North Runway Emergency Repairs Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Perimeter Security Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- South Runway Stormwater Basin Mods Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Taxiway C West CA RPR; Fort Lauderdale Hollywood International Airport; Fort Lauderdale, FL – Civil Engineer
- Construction Inspection Services Oversight of Satellite E Pavement Rehabilitation Miami International Airport; Miami, FL – Project Manager
- Construction Inspection Services Oversight of Fueling and Apron Construction Miami International Airport; Miami, FL – Project Manager
- Airfield Design Palm Beach International Airport; Palm Beach, FL – Project Manager
- Concourse B Expansion Palm Beach International Airport; Palm Beach, FL – Project Manager



#### Professional Credentials

Bachelor of Science Civil  
Engineering University of Florida

Registered Professional Engineer:  
Florida

American Society of Civil  
Engineers ASCE

OSHA Construction Safety  
and Health United States  
Occupational Safety and  
Health Administration

#### Distinguishing Highlights

Worked on more than  
100 projects at FLL.  
Extensive airfield civil engineering  
experience at a variety of  
South Florida airports  
15 years of aviation specific  
civil engineering experience





## DAVID CASTAÑEDA, ASSOC. AIA, LEED AP Buildings Project Manager

### Qualifications

Mr. David Castañeda is an experienced design project manager having worked on a variety of large airport and multimodal projects. He has extensive experience in design management of large complex architectural and civil projects involving multiple design firms stakeholders and authorities having jurisdiction and management of various project delivery methods including; design-bid progressive design build and GMP CMR David has coordinated design teams and engineering multi discipline consulting teams managing construction administration and permitting large transportation government projects from local state and federal permitting agencies David is experienced in the management of large multi phased aviation programs composed of multiple infrastructure civil and facilities projects

### Relevant Experience

- Terminal Wall Panel Repair Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Project Manager
- Terminal Concessions Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Design Manger
- Expansion Program Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Design Manager
- FIS Facility Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Design Manager
- Terminal Renovation and Expansion Melbourne International Airport; Melbourne FL – Project Manager
- Terminal Enabling Work Melbourne International Airport; Melbourne FL – Project Manager
- Fire Hydrant Replacement Runway Miami International Airport; Miami FL – Project Manager
- Engineering Support Services Miami International Airport; Miami FL – Project Manager
- Various Facility Projects Palm Beach International Airport; Palm Beach FL – Architecture
- MIC MIA Connector Station Miami International Airport; Miami FL – Construction Administration Manager
- West Concourse and Central Station Miami International Airport; Miami FL – Project Coordinator Program Management.
- Miami Central Station Head House Facilities Miami International Airport; Miami FL – Project Designer and Coordinator
- Automated Train System Expansion Renovation Chicago O Hare International Airport; Chicago IL – Deputy Project Manager
- Expansion Jorge Chavez International Airport; Lima, Peru – Deputy Program Director  
*Experience prior to RS&H.*



### Professional Credentials

*Bachelor of Arts, Architecture;  
Florida International University*

*Associate AIA*

*LEED Accredited Professional*

### Distinguishing Highlights

*Extensive experience in design management of large complex architectural and civil projects*

*Worked on numerous Florida airport projects including FLL with RS H and prior*

**RS&H**

**CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.**

## **JAMAL BELAHMIRA, PE**

### **Mechanical Engineering**

#### **Qualifications**

Mr Jamal Belahmira has more than ten years of experience and has a wide range of skills in management of HVAC projects from schematic design through final construction completion. He has worked on various projects including HVAC design for institutional commercial and industrial buildings involving design services preparing construction documents and assisting with LEED commissioning for new and existing renovation buildings.

#### **Relevant Experience**

*Fort Lauderdale Hollywood International Airport, FL:*

- Terminal Mechanical Electrical Infrastructures Chiller Plant Upgrades –Quality Assurance Quality Control
- Terminal Connector Bumpout – Quality Assurance Quality Control
- Garages Repair Condition Assessment – Lead Mechanical Engineer.
- New Security Facility – Lead Mechanical Engineer
- Roof Replacements – Mechanical Engineer
- Building Renovation – Mechanical Engineer
- Perimeter Security South Runway – Mechanical Engineer
- South Runway Bridge Inspections – Mechanical Engineer

*Additional Experience:*

- New Elevator at Satellite E Miami International Airport; Miami FL – Mechanical Engineer
- GA FIS Design Pensacola International Airport; Pensacola, FL – Mechanical Engineer.
- Concourse B Expansion Concept; Palm Beach International Airport; Palm Beach FL FL – Mechanical Engineer
- Terminal Improvements Owen Roberts International Airport; Cayman Islands – Mechanical Engineer
- JOC Design CA Charlotte Douglas International Airport; Charlotte NC – Lead Mechanical Engineer
- ARFF Station No Expansion Charlotte Douglas International Airport; Charlotte NC – Mechanical Engineer
- E Concourse Baggage Transfer Charlotte Douglas International Airport; Charlotte NC – Mechanical Engineer
- South Deicing Facility Concept CA Hartsfield Jackson Atlanta International Airport; Atlanta, GA – Mechanical Engineer
- Terminal Renovation and Expansion Melbourne International Airport; Melbourne FL – Mechanical Engineer



#### **Professional Credentials**

*Bachelor of Science, Mechanical Engineering University of Illinois*

*Registered Professional Engineer: Illinois*

*LEED Accredited Professional*

*American Society of Heating Refrigerating and Air Conditioning Engineers*

*American Society of Mechanical Engineers*

*American Society of Plumbing Engineers*

#### **Distinguishing Highlights**

*Experience working on numerous FLL projects*

*More than years of experience working exclusively on aviation specific projects*

*Has a strong drive to be forward thinking in tackling HVAC design challenges*





## **TERRY KAGLER, PE**

### **Electrical Engineering**

#### **Qualifications**

Mr Terry Kagler is a creative and driven electrical engineer with experience in project management, design and overseeing various aspects of construction projects. He demonstrates strengths and accomplishments in project management, electrical design, QA/QC, field engineering, budgeting and cost controls, bidding, estimating and proposals, NEC and NFPA code review, change order management, power system analysis and specifications development.

#### **Relevant Experience**

*Fort Lauderdale Hollywood International Airport, FL:*

- Terminal Connectors – Electrical Engineer
- Terminal Bumpouts – Electrical Engineer
- Terminal CA Commissioning – Electrical Engineer
- Terminal CA – Electrical Engineer
- Terminal Delta Design Changes – Electrical Engineer
- Terminal Chiller Plant Upgrades – Electrical Engineer
- Terminal Connector Bumpout – Electrical Engineer
- Terminal Generator Replacement – Electrical Engineer
- Terminal Modernization – Electrical Engineer
- Garages Repair Condition Assessment – Electrical Engineer
- New Security Facility – Electrical Engineer
- Perimeter Fence Surveillance System Supplemental Lighting and Gate Replacement – Electrical Engineer
- Exit Road Improvements – Electrical Engineer

*Additional Experience:*

- Security System Upgrade Myrtle Beach International Airport, Myrtle Beach SC – Electrical Engineer
- Switchgear NPDS Replacement; Palm Beach International Airport; Palm Beach FL – Electrical Engineer
- JOC Design CA Charlotte Douglas International Airport; Charlotte NC – Electrical Engineer
- GA FIS Design Pensacola International Airport; Pensacola, FL – Electrical Engineer
- Terminal Phase Rehab Tallahassee International Airport; Tallahassee FL – Electrical Engineer
- Terminal Rehab Construction Columbus Airport; Columbus GA – Electrical Engineer



#### **Professional Credentials**

*Master of Science, Electrical  
Engineering New York University  
Tandon School of Engineering*

*Bachelor of Science,  
Electrical Engineering  
Pennsylvania State University*

*Registered Professional  
Engineer: Florida  
plus five other states*

#### **Distinguishing Highlights**

*Worked on more  
than projects at FLL*

*More than years of electrical  
engineering experience*

*Designs and oversees various  
aspects of aviation projects*

**RS&H**

**CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.**

## **ROB FLETCHER, PSP**

### **Telecommunication Data Engineering**

#### **Qualifications**

With more than 20 years of experience Mr Robert Fletcher specializes in a variety of low voltage special systems in a wide range of markets. His skills include the assessment and design of access control alarm monitoring video surveillance intercommunications paging voice data, wireless technology dynamic signage common use passenger processing flight information display computer aided dispatch and uninterruptible power systems Robert has project engineering and drafting experience in the aviation and commercial markets

#### **Relevant Experience**

- Terminal Connectors Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Terminal Modernization Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- New Security Facility Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Terminal Construction Administration Commissioning Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Terminal Bumpouts Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Perimeter Security South Runway Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Terminal Chiller Plant Upgrades Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Exit Roadway and Valet Improvements Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Telecommunication Data Engineering
- Terminal Expansion Jacksonville International Airport; Jacksonville FL – Telecommunication Data Engineering
- Airline Ticket Counters Palm Beach International Airport; Palm Beach FL – Telecommunication Data Engineering
- ARFF Facility Palm Beach International Airport; Palm Beach FL – Telecommunication Data Engineering
- New Parking Revenue Center Palm Beach International Airport; Palm Beach FL – Telecommunication Data Engineering



#### **Professional Credentials**

*Bachelor of Science, Electronics  
Engineering Technology  
Grantham University*

*Physical Security Professional  
American Society for  
Industrial Security*

#### **Distinguishing Highlights**

*Worked on numerous  
projects at FLL*

*Driven by providing best practices  
to every airport for IT security*

*Dedicated to showcasing how  
well integrated RS & H can make  
these special systems*

**RS&H**

**CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.**



## **KEITH NIX, PE, LEED AP**

### **Mechanical/Plumbing Engineering**

#### **Qualifications**

Mr Keith Nix has more than 20 years of experience and has been responsible for the mechanical design of various projects including aviation facilities renovations to airport terminals and other aviation buildings fire stations office buildings retail buildings schools hospitals and hotels He has served as the Project Manager Lead Mechanical Engineer and Commissioning Authority on numerous projects.

#### **Relevant Experience**

*Fort Lauderdale Hollywood International Airport, FL:*

- Terminal Connectors – Mechanical Engineer
- Terminal Modernization – Project Manager
- Terminal Modernization – Project Manager
- Terminal Bumpouts – Project Manager
- Terminal Connector Bumpout – Project Manager
- Terminal Generator Replacement – Project Manager
- Terminal CBIS Design Criteria – Project Manager
- Terminal CA Commissioning – Project Manager
- Terminal Power Segregation – Project Manager
- Terminal Bumpout Connector CA – Project Manager
- Terminal Mechanical Electrical Infrastructures Chiller Plant Upgrades –Project Manager
- Terminal JetBlue Restrooms – Project Manager
- Terminal Segregation of Emergency Power System – Project Manager
- Building Renovation – Mechanical Plumbing
- Garages Assessment – Mechanical Engineer
- Public Safety Facility – Mechanical Plumbing

*Additional Experience:*

- Terminal Improvements Owen Roberts International Airport; Cayman Islands – Mechanical Engineer
- South Deicing Facility Concept; Hartsfield Jackson Atlanta International Airport; Atlanta, GA – Mechanical Plumbing
- Terminal Renovation and Expansion Melbourne International Airport; Melbourne FL – Mechanical Engineer
- Passenger Terminal Rehabilitation Columbus Airport, GA – Mechanical Engineer.
- JOC Design CA Charlotte Douglas International Airport; Charlotte NC – Mechanical Engineer
- Terminal Greenville Spartanburg International Airport; Greer SC – Mechanical Engineer



#### **Professional Credentials**

*Bachelor of Science, Mechanical Engineering University of Illinois at Urbana Champaign*

*Registered Professional Engineer: Florida and other states*

*American Society of Heating Refrigerating and Air Conditioning Engineers ASHRAE*

*National Council of Examiners for Engineering and Surveying NCEES*

*National Fire Protection Association NFPA*

*American Society of Plumbing Engineers ASPE*

*LEED Accredited Professional*

#### **Distinguishing Highlights**

*Worked on more than 100 projects at FLL*

*More than 20 years of professional experience*

*Lead Mechanical Engineer for T at FLL*

*Provided mechanical plumbing and fire protection oversight for FLL T*

*Completed more than 100 airport specific MEP projects since working at RS & H.*

**RS&H**

**CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.**

## SCOTT DUBIN, PE, LEED AP

### Fire Protection Engineering

#### Qualifications

Mr Scott Dubin has over 25 years of experience in designing fire protection systems utilizing BIM on multiple phase multi discipline projects including new maintenance and repair launch and facilities projects at NASA KSC and JSC He is also experienced in fire suppression fire alarm piping pressure drop calculations sustainable design commissioning building code compliance life safety plans feasibility studies programming and construction documents

#### Relevant Experience

- Terminal Connectors Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Fire Protection
- Tunnel Fire Detection Study Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Project Manager
- New South Runway Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Fire Protection
- New Security Facility Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Fire Protection
- Engineering Support Services Miami International Airport; Miami FL – Fire Protection
- New Elevator at Satellite E Miami International Airport; Miami FL – Fire Protection
- ARFF Station No Expansion Charlotte Douglas International Airport; Charlotte NC – Fire Protection
- Life Safety On Call Services Charlotte Douglas International Airport; Charlotte NC – Project Manager
- FIS Facilities Renovation Charlotte Douglas International Airport; Charlotte NC – Fire Protection
- Evacuation Plan Charlotte Douglas International Airport; Charlotte NC – Fire Protection
- Advanced Terminal Plan Peer Review Charlotte Douglas International Airport; Charlotte NC – Technical Reviewer
- Terminal Improvements Owen Roberts International Airport; Cayman Islands – Fire Protection
- Terminal Improvements Greenville Spartanburg International Airport; Greer SC – Fire Protection
- Terminal Mezzanine Structural Study Charlotte Douglas International Airport; Charlotte NC – Fire Protection
- JOC Design CA Charlotte Douglas International Airport; Charlotte NC – Fire Protection
- North Terminal Air Cargo Tunnel Roadway Tampa International Airport; Tampa, FL – Fire Protection



#### Professional Credentials

Bachelor of Science,  
Fire Protection Engineering  
University of Maryland

Registered Professional Engineer:  
Florida

LEED Accredited Professional

National Fire Protection  
Association NFPA

#### Distinguishing Highlights

+ 25 years of Fire Protection  
Engineering Experience in  
all disciplines

Experience on  
numerous FLL projects

Awards: National Association of  
Counties NACO Award and PGFD  
Unit Citation for the Homeless  
Shelter Sprinkler Project.

Scott is one of the earliest  
licensed Florida engineers in the  
specialty of fire protection and  
sprinkler systems

As RS & H's "go to" code expert,  
Scott has repeatedly solved code  
ambiguities with AHJs on RS & H  
terminal designs throughout the  
State of Florida to protect the  
airport's best interests

**RS&H**





## WINSTON HARRIS, PE, PTOE

### Transportation Traffic Engineer

#### Qualifications

Mr Winston Harris has more than 20 years of continuous experience in traffic engineering transportation planning including project traffic forecasting design traffic development)

Kip ESAL forecasting traffic operations analysis road safety traffic signal timing and design traffic data collection and analysis level of service analysis highway design access management, and traffic calming He has trained and supervised Florida Department of Transportation (FDOT) staff and other consultants in the department's project traffic forecasting procedures and application of the various FDOT spreadsheets He is proficient in the use and application of the latest traffic data collection traffic operations and transportation planning tools techniques and software such as PETRA MVRAP SIGNAL CORSIM, TRANSYT F HCS SIDRA AAP TURNS Tool TM-Tool Synchro and PASSER Mr Harris has not only developed traffic reports for PD E studies and Traffic Impact Studies for private clients but has also been involved in the review component of these studies on behalf of FDOT

#### Relevant Experience

- North Perimeter Road Safety Improvements Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Lead Transportation Engineer
- Safety Improvements Perimeter Road and Cell Phone Parking Lot; Fort Lauderdale Hollywood International Airport; Fort Lauderdale FL – Lead Transportation Engineer
- District wide Traffic Operations and Safety Studies FDOT District Six FL – Project Manager
- I-95 Express Phase III FDOT District Four Broward and Palm Beach Counties FL – Lead Traffic Engineer
- I-95 Systems Interchange Modification Report (SIMR) Re evaluation FDOT District Four Broward and Miami Dade Counties FL – Traffic Task Leader
- Port Everglades Bypass Road Preliminary Engineering Broward County FL – Traffic Engineer
- University Drive and Sheridan Street Intersection Improvements Broward County FL – Traffic Engineer
- I-95 Oslo Road Interchange Justification Report and PD E Study FDOT District Four FL – Project Manager
- I-95 Broward County Interchange Master Plan Documents Review FDOT District Four FL – Project Manager
- District wide General Transportation Engineering Support; FDOT District Four FL – Project Director



#### Professional Credentials

Master of Science,  
Traffic Engineering University  
of Birmingham, United Kingdom

Bachelor of Science  
Civil Engineering University  
of the West Indies Trinidad

Registered Professional Engineer:  
Florida

Registered Professional Traffic  
Operations Engineer

#### Distinguishing Highlights

Project manager and lead  
transportation engineer for  
numerous roadway planning  
and design projects

+ 20 years of transportation  
engineering experience

+ 15 years working in  
South Florida

Knowledgeable in local state and  
national transportation standards

Proficient in the use of  
transportation engineering  
design and planning tools

**RS&H**

**DANIEL KING****Signage | Wayfinding****Qualifications**

Dan brings 30 years of hands-on, real world design/build experience and a value-added approach to his role of Director of environmental graphic design for Jacobs. Dan has programmed, designed, and fabricated comprehensive interior/exterior signage and wayfinding packages, branded interiors, architectural specialties, exhibits and furnishings. Dan's deep knowledge of design, fabrication, installation, materials, cost estimating and value-engineering, coupled with in-the-field project management, adds valuable insight throughout the entire design and implementation process. Dan is a professional member, Society for Environmental Graphic Design (SEGD).

**Relevant Experience**

- **Denver International Airport (DEN) Concourse Expansion Program, SME, Programming | Design Lead:** DEN expansion of mainline gate capacity on Concourse B and Concourse C to serve domestic and international routes. The project will be designed to LEED Gold V4.0 standards. The scope of services includes program validation, schematic design, design development, construction documents, construction administration, and project closeout.
- **O'Hare Int'l Airport - AOC Building Interior Signage Program:** Programming lead and documentations for a new Aviation Operations Center sign program for O'Hare International Airport.
- **CALTRANS San Joaquin Line Railcar Livery Design Package:** Concept and production designer for the design of branded livery for both engine and passenger coaches for San Joaquin Valley Rail. Developed multiple hand and computer rendered concepts culminating in final production art for German manufacturer.
- **University of Texas, Austin Energy Engineering Building: Interior Signage Program:** Programming and design lead for a new six story, 147,000 sf. Jacobs designed classroom and laboratory building. Services included wayfinding programming, graphic design based on existing design standards and design intent documents. Dan also conducted site survey.
- **University of Texas Dallas - Student Services Addition: Interior Signage Package:** Programming and design lead for a 75K SF three-story building. Jacobs designed addition to the existing Student Services Building. Jacobs EGD designed a highly cost effective and adaptable system. Services included wayfinding programming, graphic design, design intent documents and full-size production files. production art for German manufacturer.

**Professional Credentials**

*Architectural Technology  
Mercer Community College*

*Graphic Design, Community  
College of the U.S.A.F*

*Industrial Design,  
Metropolitan State College*

*Active SEG D Member*

**Distinguishing Highlights**

*30 years' experience with  
environmental graphic design*

*2000 SEG D Merit Award for  
Specialty Graphics -  
Paris Las Vegas*

**Jacobs**



**Daniel King**

- **Confidential Corporate Client, Expansion & Implementation of Global Sign Standards:** Dan was the initial design and programming lead. Currently he is providing oversight to senior design lead and occasional design/fabrication insights. This expansion is a continuing four-year project encompassing all interior & exterior signage required to operate large and complex campus environments requiring 10K plus signs. Changing infrastructure designs require continuous amendment of standards and sign designs. Overseas campuses have introduced multi-lingual needs.
- **FDOT Vehicle Testing Campus, Interior | Exterior Wayfinding Program:** A 100+ acre campus testing facility requiring both public and private signage components. Complete programming & design of all interior/exterior signs including LEED educational plaques. Dan was the programming and design lead for this effort. He was also responsible for client presentations.
- **Confidential Federal Client, 15 Year Master Plan, Wayfinding Strategy Assessment:** Review of existing conditions and focused strategy based on a 10 year growth model for a secure federal campus facility with a focus on the hierarchy of pedestrian movement around multiple buildings including access for a large disabled worker contingent and extensive grade changes.
- **Buffalo/Niagara International Airport, Signage Peer Review of Wayfinding Program:** Peer review of complete signage program to validate overall programming, locations, and ADA code compliance.
- **Dallas/Ft. Worth Int'l Airport, Terminal Parking Garage Wayfinding Enhancement:** Development and implementation of enhanced exiting and wayfinding signage for two five story parking garages. New program was required to mix with select existing content to reduce costs and embrace recent phase changes.
- **Midway International Airport, TSA Security Checkpoint/Pedestrian Bridge Expansion:** Designed new garage wayfinding system related aesthetically to interior wayfinding system along with operational signage for a six story, 1.5M sf. parking garage expansion with pedestrian connection bridge to CTA station. Package included re-programming of existing roadway package and dynamic roadway and advertising displays.
- **Dallas/Ft. Worth International Airport, Curbside Wayfinding Prototype Program:** Prototype curbside vehicular/pedestrian wayfinding design project that expanded upon a client concept that was the result of passenger surveys and operational requirements. Developed highly detailed design intent documents that included extensive use of 3D exploded view models for design validation and value engineering.
- **Luis Muñoz Marín International Airport (SJU), Terminal Enhancement Signage Design Package:** Jacobs Environmental Graphics Department (EGD) was enlisted to design a complete airport wide bi-lingual signage program to replace all existing signage at SJU.
- **City of Fort Collins, CO - Downtown Parking Wayfinding Signage Package:** Having developed a Schematic Design document in 2009 to guide development of a downtown vehicular and pedestrian signage program, the City of Fort Collins, Colorado (pop. 147,000) chose Jacobs EGD to provide a Design/Build program of Design Development and Implementation services to include wayfinding programming, signage design development, fabrication and installation teamed with a trusted local fabricator.
- **Phoenix Sky Harbor International Airport, Roadway | Curbside | Terminal Standards Manuals:** Having implemented a Jacobs' designed Dynamic/Static Roadway & Curbside Signage package, PHX International Airport enlisted Jacobs EGD to create a comprehensive Standards Manuals to guide future design and fabrication efforts. Jacobs EGD produced two manuals, 235 page Roadways/Curbside manual and 187 page terminal interior signage manual.

## STACE McCOMB, PE

### Structural Engineering

#### Qualifications

Stace is a registered PE with extensive experience designing and managing projects for a variety of clients and building types. Projects include aviation, federal, military departments, defense agencies, educational facilities, warehouse and distribution facilities, manufacturing, office buildings, schools, and retail buildings. Stace considers seismicity and other climatic, environmental conditions when performing analysis and design of projects using structural steel, reinforced concrete, masonry, pre-cast, and post-tensioned structures. He has developed programs to improve and generate better communication between the owner, architect, contractor, and consultants to facilitate project advancement and address issues relating to compliance and project needs.

#### Relevant Experience

- **Denver International Airport (DEN) Concourse Expansion Program, Senior Structural Engineer:** DEN expansion of mainline gate capacity on Concourse B and Concourse C to serve domestic and international routes. The project will be designed to LEED Gold V4.0 standards. The scope of services includes program validation, schematic design, design development, construction documents, construction administration, and project closeout. Stace is the structural engineer of record responsible for project delivery for this large fast-tracked, design-build project with early delivery of foundation and steel packages. Also, additional scope for steel moment connection design. He manages a team of structural engineers from multiple states, and structural liaison between client, project management team and contractor.
- **Sky Chef's Kitchen Structural Assessment, Senior Structural Engineer:** Jacobs' structural department was tasked to provide a condition assessment report of the Sky Chef's building at DEN, which has been damaged by expansive soils and slab heaving. As Structural Lead, Stace established the subconsultants necessary for the subsurface investigations, compiled the team, defined goals, performed site visits and visual inspections, and gathered structural data. A comprehensive report was generated to identify areas of damage, provide recommendations for repairs and cost estimates, and opine on the longevity of the structural systems.



#### Professional Credentials

*Bachelor of Science,  
Civil Engineering  
University of South Florida –  
1998*

*Professional Engineer License  
Florida #60173  
Alabama #33299  
Arkansas #15736  
Colorado #053112  
Maine# 13071  
North Carolina# 036604  
Tennessee# 111166  
Texas #111017  
Vermont #018.0086246*

#### Distinguishing

**Highlights***Sr. Structural  
Engineer, Concourse Expansion  
Program in Denver, Colorado*

#### Affiliations

*American Society of Civil  
Engineers  
American Institute of Steel  
Construction  
American Concrete Institute*

# Jacobs



**Stace McComb, PE**

- **DEN GARDI, Gate B60, Senior Structural Engineer:** During construction of the GARDI B SE project at DEN, Jacobs' structural department was tasked to provide a structural remediation of the existing, deficient support condition at the base of the Gate B60 overhead pedestrian walkway support columns (drilled piers). Stace is the Structural Engineer of Record managing team to analyze existing pedestrian walkway loads, and design new deep foundations, piers, and pedestals beneath the existing structure. Generated specifications, construction documents, calculations, performed quality control, and provided construction administration services.
- **Jacksonville Aviation Authority New Consolidated Maintenance Warehouse Facility, Senior Structural Engineer:** Structural Engineer of Record responsible for the production of the construction documents for this \$8 million facility which includes four one-story buildings or structures, with a total enclosed area of approximately 49,550 SF. The main 40,000 SF building consists of a vehicle maintenance and warehouse functions with a loading dock. The other smaller buildings consist of a 20,000 SF covered, non-enclosed Vehicle Storage Building, a 6,700 SF Grounds building with Paint shop, equipment shop & Storage space, and a 2,300 SF Car Wash Building. Structural Engineer of Record responsible for the development of the structural schematic design, design development documents and construction documents, specifications, calculations, quality control, and performed Construction Administration services.
- **Florida Air National Guard Replace Fire/Crash Rescue Station, Senior Structural Engineer:** The Fire Crash/Rescue Station replacement project was specially designed state-of-the-art new 17,400 sf facility. It consists of a control room, training and administrative functions, kitchen, dining, day room, sleeping rooms, extinguisher and equipment maintenance, and storage. The facility supports 24 hour/day operation for 17 full-time male and female firefighters who support Jacksonville International Airport operations as well as an 18 PAA F-15 unit. Responsibilities included charrette meetings, determining structural system, managing team of engineers to generate calculations, specifications, construction documents, quality control, and providing construction administration services.
- **Upper North Lot of the Red Rocks Amphitheatre Park, Structural Engineer:** As the local structural engineer, Stace provided construction administration services by reviewing RFIs, submittals, and performed site visits to inspect reinforcing bar placement forming prior to each concrete pour. Generated field inspection reports for each site visit and provided additional engineering services to address concrete repairs.
- **Patrick Air Force Base Visitors Quarters (VQ) Buildings, Senior Structural Engineer:** The project involved the design and repair of three VQ buildings to bring the facilities up to current AFI and Code standards. To improve the aesthetics and utilization of the lodging units. The Scope of Work included the addition of new stair towers, new steel framed balconies with new roofs over the balconies, new architectural features at building entrances using CMU, relocated entrance doors at the units, and replacement of all doors and windows, and repair of existing gypsum bulb-tee roof at wet areas. The use of the facility is for short term lodging for visiting military personnel visiting PAFB.

## KEVIN REGALADO, AIA, ARA, NCARB, LEED®, AP LEED Commissioning

### Qualifications

Kevin has experience in architecture design, master planning, preparation of construction documents, project management and construction administration. His experience includes the design of mixed-use projects, aviation facilities, industrial facilities, transportation facilities, educational facilities, office buildings, commercial, and large-scale multi-family projects for both public and private clients.

### Relevant Experience

- **Key West International Airport New Concourse A and Terminal Renovation:** Project Manager of this \$56 million, 75,000 square foot addition and renovation project which encompasses the redesign of interior public spaces and elements of the existing terminal including new TSA checkpoint and associated offices, airline offices, expansion of the existing ticketing area, baggage claim hall expansion, new FAA offices, airline ramp operation offices, rental car facilities, baggage make-up expansion and a new Sheriff's office. The project also includes a new 7-gate concourse A building which includes new hold rooms, passengers loading bridges, concessions, restrooms, mechanical and electrical rooms. Coordination and modification of existing fire sprinkler, HVAC, public announcement, electrical, fire alarm, and electronic visual information display systems are included in the project.
- **Airglades International Airport Customs and Border Protection User Fee Facility, Project Manager:** Kevin managed the architecture staff and MEP coordination, structural and civil engineering disciplines on the renovation of existing terminal building at Airglades International Airport. The new facility will include a new processing area, a detention suite with an interview room, screening and holding rooms, pre-waiting area with two restrooms and an agriculture lab. The facility will also include a communal office space as well as an open office space, two locker and shower rooms and a local area network space. Size: 4,080 SF
- **Jacksonville International Airport JAA New Consolidated Maintenance Warehouse Facility, Project Manager:** Design and construction administration for this new airport maintenance facility which includes four one-story buildings, with a total enclosed area of approximately 48,400 SF and 20,000 SF of covered, non-enclosed area. The main 40,000 SF building consists of a vehicle maintenance and warehouse functions with a loading dock.



### Professional Credentials

BA, Architecture –  
University of Kansas – 1994  
AA, Architecture  
Miami-Dade Community College,  
1990

American Institute of Architects  
#30128196

Florida Registered Architect &  
Planner #AR0016483

NCARB Certificate #51084

### Distinguishing Highlights

30 years of architecture  
experience

Over 17 years of Aviation  
experience including terminal  
renovations and aircraft hangars  
at FLL

LEED Accredited Professional

Society of American  
Registered Architects, President  
- Florida Council, 2014

# Jacobs

**Kevin Regalado, AIA, ARA, NCARB, LEED® AP Rowan, PE**

The other smaller buildings consist of a 20,000 SF covered, non-enclosed Vehicle Storage Building, a 6,700 SF Grounds building with Paint shop, equipment shop & Storage space, a 1,500 SF car wash building and a 200 SF trash enclosure area.

- **Monroe County, Departure Hall Renovations – Restroom and Pet Relief Station Design, Project Manager:** Responsible for the roof replacement of part of the existing terminal roof. The project includes the removal of the existing metal roof and substrates down to the existing roof deck, the installation of new roof insulation, new metal roof system, including associated flashings, caps, expansion joints and sealants at the roof of the existing Terminal Building.
- **JAA Jacksonville International Airport, Re-roofing, Project Architect:** was the Engineer of Record for a three-story, 200K SF mixed use office space, including secure rooms, auditoriums, break rooms, and open and closed office space. He led the design of the primary structural framing members and foundations. He also managed contributing staff from across the U.S. working on the project.
- **Rafael Hernandez Airport Access Control & CCTV Systems Replacement, Project Architect:** Jacobs provided complete planning and design services to the Puerto Rico Ports Authority and the Rafael Hernandez Airport for the replacement of the existing Access Control and Closed-Circuit Television systems. This project also included the systems replacement/upgrade of the Airports Command and Control Center including the spatial configuration and architectural refurbishment of these spaces. All design and planning was done to meet the security mandates established by the Transportation Security Administrations performance criteria as applicable to 49 CFR TSA 1542.
- **American Airlines US System Wide Airport Experience and Rebranding, Regional Project Manager:** Kevin oversaw the site surveys and production of construction documents for the implementation of the new American Airlines rebranding to include new ticket counters and new signage at all public areas including, ATO, BSO, Gates and curbside for 11 airports throughout South Carolina and Florida. Jacobs also provided IT, electrical and structural engineering for the 11 airports. The scope includes detailed design services and permitting.
- **The Florida Keys Marathon Airport, New Aircraft Storage Hangars, Project Manager:** Kevin oversaw the production of construction documents for the implementation of 11 new aircraft storage hangars, new restroom, and a new storage room. Jacobs also provided site planning and preliminary engineering for the development of 11 new hangars at the Florida Keys Marathon Airport. The scope includes detailed design services, permitting and bidding for the hangars and associated site development. Jacobs provided civil, architectural, structural, mechanical, electrical, and plumbing engineering documents for a new 20,400 square foot +/- (11 bays within 2 buildings) aircraft hangars for the storage of aircraft located at the Florida Keys Marathon Airport in Marathon. The hangars will be located on eastern end of the airport between two existing hangars.
- **Miami Dade Aviation Department MIA Building 3095 Project Book, Project Manager:** Kevin conducted site visits and field surveys. He managed team of architects and engineers and performed quality assurance reviews for the compilation of a Study/Project Book of MIA Building 3095. This 1970's multi-story structure composed of a semi-circular cantilevered hangar integrated with an eleven story building, at the request of MDAD consisting of necessary modifications and code upgrades, schedules, and preliminary construction cost order of magnitude to better define the construction budget for the project and future negotiation of an architectural and engineering proposal.

## **BRETT ROWAN, PE**

### **Structural Engineering**

#### **Qualifications**

Located in Florida, Brett has 13 years of structural engineering experience on design/build and design/bid/build projects for industrial, manufacturing, and commercial clients. Specifically, his experience includes developing design criteria, conceptual, and detailed design; developing structural load requirements; conducting site investigations; preparing construction documents and engineering reports; and providing estimating, review of structural shop drawings and product submittals, and construction inspections. Brett's knowledge and understanding of steel, concrete, masonry, precast, prestressed, pre-engineered metal buildings, and post-tensions construction systems allows for innovation in design, which lowers total life-cycle costs of the facility. His software knowledge includes AutoCAD and MicroStation.

#### **Relevant Experience**

- **Jacksonville International Airport – Garage Structural Assessment, Structural Engineer of Record:** Structural assessment of existing precast concrete garage structure for a report on projected lifespan and possible repairs. Created structural construction documents for strengthening and reinforcing and repairing deteriorated structure and ensure waterproofing integrity to maximize structure lifespan.
- **SunTrax Connected and Autonomous Vehicle Testing Facility, Team Project Manager and Structural Engineer of Record:** Jacobs provided program management and design services for this large-scale facility for testing connected and autonomous vehicles in controlled environments. SunTrax includes multiple outdoor testing circuits and over 100,000 SF of buildings. The Jacobs building team designed a signature Arrivals and Conferencing Center, Administration Building, Observation Tower, and fueling, charging, and support facilities.
- **Key West International Airport Expansion:** Brett was the Lead Structural Engineer in the planning and preliminary design of approximately 50K SF expansion of the existing terminal. Modernizing the user experiences and increasing performance and efficiency of staff. Structural design focused on maximizing open area and resiliency of exposed structure.



#### **Professional Credentials**

*Bachelor of Science –  
University of Florida – 2008*

*Professional Engineer License*

*Florida #77608  
Alabama #39367*

#### **Distinguishing Highlights**

*Over 13 years of structural  
engineering experience*

*AutoCAD, MicroStation, and  
REVIT software knowledge*

*Expert in disaster response  
and rehabilitation*

*Extensive experience in  
resiliency design and life cycle  
analysis*

*3D FEA analysis capable for  
solving the most complex  
non-linear problems*

# **Jacobs**



**Brett Rowan, PE**

- **Jacksonville International Airport, Canopy Rehab:** Served as the structural engineer of record for the planning and modifications to the existing canopy and exterior aesthetic features of the airport. Brett responsibilities were to review existing conditions of exterior steel canopies and fabric coverings. Recommend repairs and modifications required to restore structural integrity. Worked with the airport to program repairs into fiscal year budgets as well as develop MOT and passenger diversion techniques to minimize the impact on all patrons.
- **Marathon International Airport Hangar Building Modifications:** Jacobs completed hurricane assessment of several hangars and other support buildings. Recommend and designed structural repairs and upgraded site lighting elements. Brett oversaw the team of engineers who performed various rigorous reviews of the existing damaged structures and designed appropriate repairs to restore functionality and operation. Also worked with an electrical engineer to modify site lighting for enhanced nighttime visibility and functionality.
- **Lockheed Martin Corporation's Design/Build Construction Contract for Rotary and Mission Systems:** Brett was most recently the Lead Structural Engineer on the \$2.4M Roof and HVAC Replacement project in 2019, providing structural support for the enclosures of the roof deck openings and providing valuable insight for the new HVAC units. Brett has also supported the design/build contract on nearly all task orders that required structural engineering support. The value of these task orders is estimated at \$5M over the 6 years that Jacobs has held the design/build contracts.
- **USACE's Bradley Barracks Modernization:** Brett was the structural engineer of record for the modernization and renovation of the historical seven-story, cast-in-place concrete barracks that houses cadets on West Point's campus. The \$140M project aimed at modernizing and restoring the structural integrity of the building including the complete gut of all mechanical infrastructure and architectural finishes. Brett analyzed the existing structure for original design deficiencies, as well as new loads and openings required for renovation work. All work complied with UFC criteria.
- **Confidential Supermarket Chain, Lakeland, FL, Design/Build Renovation and Self-Development Program, Structural Engineer of Record:** This design/build program included renovation and expansion of existing supermarkets and the client's self-development program at locations throughout Florida, Georgia, Alabama, and South Carolina. Brett was responsible for client management, from initial scope of work development through complete contract documents and contract administration. All programs were treated as design/build with a partnering approach between the client, Jacobs, and a prequalified list of contractors. Brett oversaw and participated in the condition review and analysis of existing structures, the development of structural modifications to the buildings, and the production of construction documents. Due to the age of many of the buildings (decades old), there was increased integration and collaboration between client, engineer, and contractor to achieve a cost-effective strategy and the flexibility to pivot the design based on unknown field conditions.
- **City of Gainesville's Fleet Maintenance Facility, Project Engineer:** The building was approximately 50,000 square feet of total area. Of the 50,000 square feet approximately 7,000 square feet is used for administrative space. The remaining 43,000 square feet of the facility is used as heavy and light duty work bays with maintenance equipment to maintain the City's fleet.

## **MICHAEL WEAVER, PE**

### **Threshold Inspection**

#### **Qualifications**

Michael has 21 years of structural engineering experience providing design for building structures for the private and public sectors. Specifically, his experience includes design with steel, concrete and masonry.

#### **Relevant Experience**

- **Winter Park Memorial Hospital Nicholson Pavilion:** Michael served as project engineer for this 345K SF multistory steel moment frame ambulatory care center, dental clinic, CEP and parking garage. Michael was responsible for design of the concrete frame and spread foundations.
- **Vacation Village Resorts at Parkway Building 22:** Michael served as project engineer for this 14-story load bearing CMU timeshare building. The scope included design of the load bearing masonry.
- **Ambulatory Care Center, Joint Base Andrews in Prince George, MD:** A 345K SF multistory steel moment frame ambulatory care center, dental clinic, CEP and parking garage. As project engineer, Michael was responsible for design of the load bearing masonry. Michael's responsibilities were as lead structural engineer.
- Consolidated Medical Clinic, Naval Weapons Station, Charleston, SC
- Ederle Inn Addition, Caserma Ederle, Vicenza, Italy
- Langley Air Force Base (AFB) Medical Warehouse, Hampton, VA
- DLA & BRAC General Purpose Warehouse, Tinker AFB, Oklahoma City, OK
- DLA Warehouse, Robins AFB, Warner Robins, GA
- Consolidated Medical Clinic, Naval Weapons Station, Charleston, SC
- Enlisted Dining Facility, MCAS Beaufort, Beaufort, SC
- Enlisted Dining Facility, MCAS New River, Jacksonville, North Carolina
- Administration Building, NAS Meridian, Meridian, MS
- Andrews Ambulatory Care Center, Joint Base Andrews, MD
- 8th Marine Admin Building, Naval Air Station Joint Reserve Base, Fort Worth, TX
- Weed Army Community Hospital, Fort Irwin, CA



#### **Professional Credentials**

*Bachelor of Arts, Civil Engineering –  
University of Central Florida – 2000*

*Professional Engineer License*

*Florida #62932*

*Florida Special Inspector #7019845*

#### **Distinguishing Highlights**

*Over 21 years of experience  
providing structural  
engineering design*

*Performed design and special  
inspection services for two  
pavilions at Winter Park  
Memorial Hospital*

*Member of American Society  
of Civil Engineers (ASCE)*

# **Jacobs**

## JOHN MAFERA

### Senior Airport Planner

#### Qualifications

Mr. Mafera is a highly motivated airport consulting professional with over 20 years of unique airport planning design project and program management experience. He has had direct experience across a broad spectrum of client types and airport issues. Mr. Mafera has served as the business unit leader for a national aviation planning group, aviation program manager and project manager for a variety of multi-disciplinary airport and municipal contracts, and project manager of on-call contracts for multi-airport systems. He understands the extremely high level of team coordination and client responsiveness necessary to successfully complete multi-disciplinary airport projects. Mr. Mafera has specific project experience including programmatic documents, strategic airport development plans, airport business and commercial development plans, airport master plans, airport land use and compatibility planning, intermodal network planning and site layouts, eALP and ALP updates, noise compatibility studies, airport site selection and feasibility studies, heliport design, environmental assessments, EMAS and runway safety area studies, aviation forecasting, airport capacity studies, instrument approach and flight procedure planning, and airspace and obstruction analyses. Mr. Mafera is also a certified instrument-rated private pilot.

#### Relevant Experience

- **Airport Master Plan Review and Advisory Services, Broward County Aviation Department (BCAD), Fort Lauderdale, FL-** MJ Project Manager responsible for coordinating all tasks. McFarland Johnson is providing professional consulting services to the Broward County Aviation Department (BCAD) for projects at Fort Lauderdale Hollywood International Airport and North Perry Airport. Task assignments to date at Fort Lauderdale Hollywood have included: landside master plan assistance (including parking, circulation and access plans), on-site planning support, advisory services, Northwest and West MRO campus development, bikeway analysis, runway drop-off safety enhancements, review of NEPA requirements and development of land use alternatives, Categorical Exclusion for the pavement rehabilitation on the North Airfield, and development of a dynamic master plan interface as well as other technical development support (parcel data, portal web page development).



#### Professional Credentials

BS Florida Institute of Technology  
Aviation Management

#### Distinguishing Highlights

Licensed Pilot





**John Mafera**

- **Commercial Aircraft Gate Change Review Process Fort Lauderdale Hollywood International Airport Fort Lauderdale FL** Project Manager – This project included gate planning and modeling for all existing gates and remain overnight (RON) parking areas at the Fort Lauderdale Hollywood International Airport. In addition to providing functional figures for the maintenance and operations teams to ensure proper paint markings were present on the airfield a draft policy and procedures document was developed to directly manage requests from airlines for modification to paint markings at existing gates This policy adopted in August will better utilize airport department resources and ensure a timely planning review is conducted for safety and uniformity of all gate modeling and gate stand paint markings
- **Terminal Connectors Bomb Blast Analysis Fort Lauderdale Hollywood International Airport Fort Lauderdale FL** MJ Project Manager for this project, which included the completion of a blast analysis for two terminal connectors that connect Terminal to Terminal and Terminal to Terminal The bomb blast analysis was completed using the US Army Corps of Engineers BlastX modeling software and guidance provided in FEMA Report Reference Manual to Mitigate Potential Terrorist Attacks Against Buildings December and Program for Applied Research in Airport Security (PARAS) Recommended Security Guidelines for Airport planning Design and Guidelines National Safe Skies Alliance FAA December The final report identified minimum standoff distances from the terminal connectors to adjacent parking facilities and locations
- **On Site Supplemental Planning Support Services Broward County Aviation Department BCAD Fort Lauderdale FL**
- **Purpose and Need Documentation for Landside Projects Fort Lauderdale Hollywood International Airport Fort Lauderdale FL**
- **Phase Dynamic Master Plan Interface Fort Lauderdale Hollywood International Airport Fort Lauderdale FL**
- **Environmental and Professional Consulting Services – Broward County Qualified Vendors List for County Wide Services Broward County FL**
- **Monroe County FL) Airports General Consultant Year Term Agreement Key West Int l Florida Keys Marathon Airports**
- **Airport Rental Car Wash Facility Design Permitting and Construction Services Florida Keys Marathon International Airport Marathon FL**
- **Asbestos and Hazardous Materials Survey Key West International Airport Key West FL**
- **Airport Customs and Border Protection Facility Key West International Airport Key West FL**
- **Elevated Airport Maintenance Facility Design Permitting and Construction Services Key West International Airport Key West FL**
- **Former Hertz Building Demolition Design Key West International Airport Key West FL**
- **Monroe County Airports Land Development Code (LDC) Comprehensive Plan Amendments Monroe County FL**
- **Commercial Terminal Area Expansion Study Greenville Spartanburg International Airport Greer SC**
- **Airport Maintenance Facility Project Definition and Programming Report Greenville Spartanburg International Airport Greer SC**
- **FBO Terminal Expansion Project Definition Programming Report Greenville Spartanburg Greer SC**



## **ZACH NELSON MPA**

### **SENIOR AIRPORT PLANNER**

#### **Qualifications**

Mr Nelson is an *Airport Business Top Under* recipient with over years of airport planning and design experience including both domestic and international projects. Having direct experience across a broad spectrum of airport issues, he has led a variety of projects including airport master plans, noise compatibility studies, aircraft airport compatibility assessments, runway safety area determination studies, airspace obstruction analyses, eALP's, aviation forecasting, and airport capacity studies. Mr Nelson is also experienced in teaching collegiate level airport planning and design courses, participating in industry conference panel discussions, and conducting focused research.

#### **Relevant Experience**

- **Broward County Planning Review and Advisory Services On Call Fort Lauderdale Hollywood International North Perry Airports Fort Lauderdale FL** Senior Airport Planner responsible for technical deliverables to support alternative development and recommendations for tenant, heliport, airspace planning, air cargo center development and bicycle path programming and providing on site planning advisory services. McFarland Johnson is providing professional consulting services to the Broward County Aviation Department for projects at Fort Lauderdale Hollywood International Airport and North Perry Airport. Task assignments to date at Fort Lauderdale Hollywood have included: landside master plan assistance (including parking, circulation and access plans), on site planning support advisory services, Northwest and West MRO campus development, bikeway analysis, runway drop off safety enhancements, review of NEPA requirements and development of land use alternatives, Categorical Exclusion for the pavement rehabilitation on the North Airfield, and development of a dynamic master plan interface as well as other technical development support (parcel data, portal web page development).
- **Dynamic Master Plan Assistance Fort Lauderdale Hollywood International Airport Fort Lauderdale FL** – Senior Airport Planner responsible for technical deliverables to support alternative development and recommendations for tenant, heliport and airspace planning, air cargo center development, and bicycle path programming. To date, MJ has been involved in a number of task assignments providing alternatives review and recommendations for projects such as: departure curbs, arrival curb, emergency vehicle parking, cell phone waiting lot, and air cargo center.



#### **Professional Credentials**

MA University of Nebraska at  
Omaha Public Administration

BS Florida Institute of Technology  
Aviation Management

#### **Distinguishing Highlights**

*Airport Business Top Under*  
*recipient*



**Zach Nelson MPA**

- **Master Plan Update Key West International Airport Key West FL** Senior Airport Planner responsible for general aviation facility forecasting facility requirements and development alternatives This Master Plan Update addressed several key issues including runway length requirements passenger terminal capacity curbside and parking capacity aircraft parking positions and apron capacity and configuration runway and taxiway geometry and future general aviation (GA) facility requirements As a subconsultant, MJ is responsible for: evaluation of existing general aviation (GA) and land use conditions GA and based aircraft forecasts of activity GA facility requirements and development alternatives land use planning NAS Key West joint use facility analyses and public involvement. Project Owner: Monroe County
- **Auto Parking Expansion Project Definition and Programming Greenville Spartanburg International Airport Greer SC** Deputy Project Manager and Lead Planner responsible for parking demand forecasting design alternatives identification value engineering coordination client engagement and quality review This project involves development of a project definition and programming (PDP) report, including planning and preliminary engineering drawings that outline proposed parking development areas project budgets and construction schedules to address parking demand through and for five ) parking types and areas This information will be based on a detailed analysis including recent changes in parking demand and passenger traffic preliminary site investigations revised site layouts preliminary site grading and construction cost estimates The PDP will establish forecast demand levels and identify proposed parking areas for public economy parking employee parking valet parking and cell phone waiting lot parking Project Owner: Greenville Spartanburg Airport Commission
- **Terminal Expansion Study Greenville Spartanburg International Airport Greer SC** – Deputy Project Manager and Lead Planner responsible for the development of a project definition and programming (PDP) report which identifies a preferred commercial terminal development program to enable GSP to accommodate up to and beyond million annual enplaned passengers The resultant million dollar program provides for two concourse expansions eight additional aircraft gates expanded commercial aircraft apron including RON apron) an FIS facility expanded outbound baggage system an additional three unit baggage claim an expanded administrative suite and significant roadway and curb improvements Project Owner: Greenville Spartanburg International Airport
- **Miscellaneous Land Planning Support Greenville Spartanburg International Airport Greer SC** Deputy Project Manager and Lead Planner responsible for conducting highest and best use analysis alternative development schemas illustrative rendering coordination client engagement and quality review The Airport has a total of roughly acres of land with approximately % of that available for non aeronautical development. MJ is providing land development and land use planning for various parcels within GSP's portfolio to prepare them for marketing to potential tenants Parcel development; highest and best use analyses roadway network and illustrative renderings and modeling are being provided under this task Project Owner: Greenville Spartanburg Airport Commission
- **Real Estate Development Plan Gerald R Ford International Airport Grand Rapids MI** Deputy Project Manager and Lead Planner responsible for branding consultation alternative development schemas phasing financial proformas DAT development, client engagement and quality review MJ will prepare a master land use and site development plan for specific parcels on or adjacent to GRR based on current regional and national market trends and conditions Project Owner: Gerald R Ford International Airport Authority
- **Dynamic Master Plan e ALP Update Greenville Spartanburg International Airport Greer SC**



## **BRADY BREWSTER**

### **AIRPORT PLANNER**

#### **Qualifications**

Mr. Brewster is a passionate aviation planner with consulting and on site experience at a wide range of airports from general aviation fields to the nation's busiest large hub airports. He has conducted Airport Master Plans including preparation of written narrative reports, forecasts of aviation demand, site planning studies, and graphic model development. He has also conducted commercial aircraft gate analyses, terminal expansion planning studies, and coordinated the preparation of policy and procedure documents to optimize planning workflows at large hub airports. He is experienced in multiple planning platforms including: AviPlan, AutoCAD, and Geographic Information Systems (GIS). Mr. Brewster also has experience supporting the day to day project and operational planning needs of large commercial service airports as an on site extension of staff.

#### **Relevant Experience**

- **Broward County Aviation Department Commercial Aircraft Gate Modeling Change Review Process Fort Lauderdale Hollywood International Airport** AviPLAN Aircraft Modeling Specialist responsible for gate planning and modeling for all existing gates and remain overnight parking areas. In addition to providing functional figures for maintenance and operations teams to ensure proper paint markings were present on the airfield, Mr. Brewster drafted a policy and procedure documents to directly manage requests from airlines for modification to paint markings at existing gates. This policy adopted in August will better utilize airport department resources and ensure a timely planning review is conducted for safety and uniformity of all gate modeling and gate stand paint markings. In addition to policy documentation, an airport wide model was created with dynamic functionality showing D and D aircraft parking movements and passenger boarding bridge docking simulations.
- **Broward County Aviation Department On Site Supplemental Planning Support Services for Projects Fort Lauderdale Hollywood International Airport** Airport Planner responsible for serving as an extension of the Aviation Department, completing planning analyses, preparing documentation, and conducting advance planning studies to implement an aggressive capital improvement program recommended by the recently completed Master Plan. FLL's vision for the future calls for demand driven, incremental units of development that include an Automated People Mover (APM) system connecting all four terminals, an intermodal center, a new parking garage, and hotel commercial center, and robust terminal expansion.



#### **Professional Credentials**

MBA – University of Maine  
Business Administration and  
Sustainability In Progress

BA University of Missouri Kansas  
City Urban Planning and Design



**Brady Brewster**

- **Broward County Aviation Department Purpose and Need Documentation for Landside Projects at Fort Lauderdale Hollywood International Airport** Extension of staff Airport Planner responsible for serving as an extension of staff to the Broward County Aviation Department, completing planning analyses preparing documentation and providing QA QC for all deliverables. This project included aviation planning analyses essential to the development of required purpose and need projections calculations modeling and documentation to support the alternative refinement of airport landside projects and initiatives including the Automated People Mover (APM) Parking Garage Demolition and Replacement and the Terminal Loop Roadway and Curbfront Improvements. The purpose and need documentation provided pertinent background information regarding need and justification for the recommended airport improvements as presented in the most recent Master Plan Report, ALP drawing set, and other information provided by BCAD. Existing and projected aviation activity was discussed as it relates to the recommended improvements. Financing implementation and phasing of the proposed improvements were also discussed.
- **Terminal Expansion Study Greenville Spartanburg International Airport Greer SC** Airport Planner responsible for conducting a special study to determine the compatibility of serving a widebody aircraft at the existing terminal layout. Also responsible for preparing D and D models to show aircraft movements powering in to a proposed widebody parking spot, providing a passenger boarding bridge compatibility assessment, and ensuring all appropriate safety and operational clearances are maintained. Resulted in increased capacity and flexibility for the airport while utilizing existing infrastructure and resources. The Airport has a total of roughly acres of land with approximately % of that available for non aeronautical development. MJ is providing land development and land use planning for various parcels within GSP's portfolio to prepare them for marketing to potential tenants. Parcel development; highest and best use analyses roadway network and illustrative renderings and modeling are being provided under this task.
- **Airport Layout Plan Key West International Airport Key West FL** - Mr. Brewster was a project planner for the Key West International Airport Master Plan Update that studied alternatives to lengthen the runway and help ease weight restrictions that limited the distance and type of plane that airlines could fly to Key West. The project included an airport inventory preparation of scenario based forecasts of aviation activity identification of facility requirements alternatives analysis and development of an airport layout plan. Mr. Brewster was one of the lead designers of the Airport Layout Plan drawing set and assisted airport officials in preparing an obstacle mitigation action plan for obstructions to protected airspace surfaces. The project at Key West resulted in an approved ALP and the construction of a foot paved safety area that can be used for takeoff and landing distance allowing larger and heavier aircraft to utilize the airport. After completion of the project, new airline service was added to destinations in the Northeast on regional jet aircraft without weight restrictions increasing enplanements and providing greater access between Key West and the rest of the continental United States.
- **Terminal Expansion Study and Passenger Boarding Bridge Evaluation Study at Portsmouth International Airport Portsmouth NH** Airport Planner responsible for evaluating the proposed Passenger Boarding Bridge model with a variety of aircraft common to the fleet mixes of major air carrier and charter airlines. Our design concept focused on future needs of the terminal building envelope and gate usage. We optimized aircraft mix via gate planning and aircraft movement analysis to address separation support vehicle movement, and address jet blast damage. Building deficiencies parking needs and drop off pick up curb allotments were addressed.



## **MICHAEL CARTOSSA, EI**

### **Project Manager I**

#### **Qualifications**

Mr Michael Cartossa has over six years of experience as a civil engineer. Since he has worked on numerous land development projects in both the private and public sectors. His background in land development includes both residential and commercial projects such as shopping aviation facilities, plazas, gas stations, banks, car dealerships, restaurants, and storage facilities. He is proficient in performing due diligence, site planning, civil engineering design, permitting, and project closeout. In addition to his engineering experience, Mr. Cartossa is proficient in a variety of software and programs including: AutoCAD, ICPR, Cascade, EPANET, MicroStation, MS Excel, MS Project, MS Office, Quattro Pro, and WordPerfect.

#### **Relevant Experience**

- **FLL Terminal Connector Bridge, Fort Lauderdale, FL:** As a subconsultant, the scope includes the Terminal 1 Bump Out, the Terminal 1 to Terminal 2 Connector, and the Terminal 2 to Terminal 3 Connector. This project will follow LEED best practices. KEITH provided survey, subsurface utility engineering, civil engineering, and CEI services. KEITH provided a topographic survey, horizontal designations, vacuum excavation services, civil engineering services including schematic drawings, % and % construction drawings for required sanitary sewer and water distribution system removal and replacement components.
- **FLL HWO Exit Roadway and Valet Routing Improvements Fort Lauderdale, FL:** As a part of our professional consultant services contract with the Broward County Aviation Department, KEITH was retained to provide design of the pedestrian crosswalk signalization at both arrival and departure levels. Services included civil engineering, surveying, mapping, subsurface utility engineering, traffic engineering, and landscape architecture. The project included: Two exit lanes from the Cypress Garage Rental Car Center (RCC) Helix. A restricted emergency access to the Hibiscus Garage. Verification of structural and constructability aspects of retrofitting the exits from the Cypress Garage Helix. Verification of traffic control concept that accommodates structure work of the Helix. New valet roadway constructed around the Cypress Garage and a potential valet access lane. Demolition of the abandoned toll plaza, BCAD Credentialing Office and associated facilities to the south of the Hibiscus Garage. Construction of a new surface parking lot south of the Hibiscus Garage to be used for Valet Parking. Wayfinding signage for the associated roadways compatible with the Airport Graphics Program. Evaluate restriping of recirculation roadway ramp to provide lanes.



*Years of Experience*

*9 years*

*Years with KEITH*

*5 years*

*Education*

*B.S. Civil Engineering, Florida  
Atlantic University*

*Professional Registrations*

*State of Florida  
Engineering Intern - Florida*



## **TIMOTHY GRAY, PSM, CFM**

### **Project Surveyor II**

#### **Qualifications**

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

#### **Relevant Experience**

- **Bombardier Aircraft Service Center Miami Opalocka Airport Miami, FL:** Engineer of Record. The project consists of approximately 100 acres of hangar and office area, including a 100 space parking lot, and an 100 acre apron. The design for this project accounts for an addition 100 acre hangar expansion for a total of 100 acres of building area. KEITH is providing survey planning and civil engineering services including the site plan preparation and processing water sewer paving for both airside and landside Aqueous Film Forming Foam (AFFF) storage airside pollution prevention system grading and drainage design.
- **FLL HWO Exit Roadway and Valet Routing Improvements Fort Lauderdale FL:** As a part of our professional consultant services contract with Broward County Aviation Department KEITH provided design of the pedestrian crosswalk signalization at arrival and departure levels. Services included civil engineering surveying mapping subsurface utility engineering traffic engineering and landscape architecture. The project included: Two exit lanes from the Cypress Garage Rental Car Center (RCC) Helix. A restricted emergency access to the Hibiscus Garage. Verification of structural and constructability aspects of retrofitting the exits from the Cypress Garage Helix. Verification of traffic concept that accommodates structure work of the Helix. New valet roadway around the Cypress Garage and a potential valet access lane. Demolition of the toll plaza, BCAD Credentialing Office and associated facilities to the south of the Hibiscus Garage. Construction of a surface parking lot south of the Hibiscus Garage. Wayfinding signage for the associated roadways compatible with the Airport Graphics Program. Evaluate restriping of recirculation roadway ramp to provide 2 lanes.



*Years of Experience*

*22 years*

*Years with KEITH*

*5 years*

*Education*

*B.S. Geomatics University of  
Florida 1999*

*Professional Registrations*

*LS6604 - Florida*

*ASFPM Certified Floodplain*

*Manager*





## SEAN HALSEY

### Subsurface Utility Engineering Project Manager

#### Qualifications

As a Utility Project Manager for KEITH Location Services Department, Sean is responsible for scheduling and supervising field crews conducting utility field meetings utility records research conflict analysis and determining if additional utility investigation is needed for his projects in South Florida. With over years of experience he has completed projects from beginning to final delivery which included preparing and submitting fee proposals coordinating with clients being able to setup projects for field crews and conducting field visits when trouble shooting is required download and process collected data; performed quality control and finalize for delivery while keeping clients informed on a daily basis Mr Halsey has extensive knowledge in the performance and use of GPR Mala Geoscience GSSI Radio Detection Nogin etc ) Electro Magnetic Induction Radio Detection Vivax Fischer) Magnetometers Vacuum Excavation Trailer and Portable Systems Pipeline Inspection Conductivity Scanning Multi testers and Fault Detection experience

#### Relevant Experience

- **Bombardier Aircraft Service Center Miami Opalocka Airport Miami FL:** Engineer of Record The project consists of approximately acres of hangar and office area, including a space parking lot, and an acre apron The design for this project accounts for an addition acre hangar expansion for a total of acres of building area. KEITH is providing survey planning and civil engineering services including the site plan preparation and processing water sewer paving for both airside and landside Aqueous Film Forming Foam AFFF) storage airside pollution prevention system grading and drainage design
- **FLL North Perimeter Road Water Main Extension Fort Lauderdale FL:** Fort Lauderdale Hollywood International Airport FLL) is running a new water main line along N Perimeter Road under the I overpass and through the Fixed base Operator FBO) parking area. The water main being installed spans a little over miles in length KEITH provided a full MOT plan in conjunction with the approximate FT of water main installation per day The MOT plan had to change for each day of installation throughout the mile route Some MOT features included lane closures near an intersection



YEARS OF EXPERIENCE  
21 years

YEARS WITH KEITH  
3 years

Professional Registrations  
FDOT Maintenance of Traffic -  
Intermediate Level



## DEAN KOGGAN, PE

### Project Manager I

#### Qualifications

Mr Koggan is a Senior Project Engineer with experience working on various specialized engineering projects. Mr Koggan has aided in the production and submittal of plans, several reports, as well as different in person inspections and cost estimations. Mr Koggan's involvement in the private and public sector includes design for new development and redevelopment projects with associated drainage and utility design throughout South Florida. Mr Koggan while working with different professional engineers and city officials has obtained the necessary skills that qualify him as a great addition to the KEITH team.

#### Relevant Experience

- **FLL North Perimeter Road Water Main Extension, Fort Lauderdale, FL:** Fort Lauderdale Hollywood International Airport (FLL) is running a new water main line along N Perimeter Road under the I-95 overpass and through the Fixed base Operator (FBO) parking area. The water main being installed spans a little over 1.5 miles in length. KEITH provided a full MOT plan in conjunction with the approximate 1500 FT of water main installation per day. The MOT plan had to change for each day of installation throughout the 1.5 mile route. Some MOT features included lane closures near an intersection.
- **FLL HWO Exit Roadway and Valet Routing Improvements Fort Lauderdale, FL:** As a part of our professional consultant services contract with the Broward County Aviation Department, the KEITH Team was retained to provide design of the pedestrian crosswalk signalization at both arrival and departure levels. Services included civil engineering, surveying, mapping, subsurface utility engineering, traffic engineering, and landscape architecture. The project included: Two exit lanes from the Cypress Garage Rental Car Center (RCC) Helix. A restricted emergency access to the Hibiscus Garage. Verification of structural and constructability aspects of retrofitting the exits from the Cypress Garage Helix. Verification of traffic control concept that accommodates structure work of the Helix. New valet roadway constructed around the Cypress Garage and a potential valet access lane. Demolition of the abandoned toll plaza, BCAD Credentialing Office and associated facilities to the south of the Hibiscus Garage. Construction of a new surface parking lot south of the Hibiscus Garage to be used for Valet Parking. Wayfinding signage for the associated roadways compatible with the Airport Graphics Program. Evaluate restriping of recirculation roadway ramp to provide lanes.



*Years of Experience*  
6 years

*Years with KEITH*  
3 years

*Education*  
M.S. Civil Engineering, University  
of Florida 2015

B.S. Civil Engineering, University  
of Florida 2012

*Professional Registrations*  
86612 - Florida





## ALEX LAZOWICK, PE, PMP

President

### Qualifications

Mr Lazowick was introduced to civil engineering and construction by his grandfather Mr Bill Keith founder of the firm He is eager for the challenge to be the third family generation professional working to provide quality developments within the South Florida community Mr Lazowick has gained experience in civil engineering design projects including water sewer and drainage systems roadway design permitting and construction administration services He understands the importance of working together as a team to quickly identify and establish project goals and achieve successful results in the most expedient and cost effective manner His qualifications include knowledge with AutoCAD Civil D Navisworks Revit, BIM, Microsoft Office computer networking and he possesses excellent communication skills

### Relevant Experience

- **FLL North Perimeter Road Water Main Extension, Fort Lauderdale, FL:** FLL is running a new water main line along North Perimeter Road under the I overpass and through the Fixed base Operator FBO) parking area. The water main being installed spans a little over miles in length KEITH provided a full MOT plan in conjunction with the approximate FT of water main installation per day The MOT plan changed each day of installation throughout the mile route Some MOT features included lane closures near an intersection
- **FLL Expansion of Runway 9R-27L, Fort Lauderdale, FL:** KEITH is providing professional design services The project included civil engineering design for the stormwater management system and water sanitary sewer systems accommodating construction of an foot runway on the existing footprint of the R/ L general aviation runway The project required the design to include construction of multiple tunnels and bridge segments crossing over the airport perimeter road FEC Railroad tracks and the U S roadway corridor over which the new runway was constructed The design required approximately million cubic yards of imported fill and raised the east end of the runway to approximately feet high KEITH provided complete redesign of existing utilities and coordination with all utility stakeholders We are also directly responsible for Project Definition Document PDD) Validation Report, preparation of the Design Criteria Package Utility Corridor Report, Preliminary Engineering Report, and development of the Earthwork Management Plan coordinating the import and placement of million cubic yards of fill during construction as well as providing engineer s estimate of probable construction costs for use in the Life Cycle Cost Analysis Report.



*Years of Experience*  
12 years

*Years with KEITH*  
11 years

*Education*  
B.S. Civil Engineering, University  
of North Florida 2010

*Professional Registrations*  
Professional Engineer #78625 -  
Florida

*Project Management Professional*  
PMP 2554175

*PROFESSIONAL AFFILIATIONS*  
Parkland Advisory Board Member

*Planning and Zoning Advisory  
Board Member*



## MARK MITCHELL

### Director of Subsurface Utility Engineering

#### Qualifications

As a Subsurface Utility Engineering Senior Project Manager for KEITH's Utilities Division Mr Mark Mitchell is responsible for scheduling and supervising field crews conducting utility field meetings utility records research conflict analysis and determining if additional utility investigation is needed for assigned projects in South Florida. He completed projects from beginning phases to final delivery which included preparing and submitting fee proposals coordinating with clients being able to setup projects for field crews and conducting field visits when trouble shooting is required download and process collected data; performed quality control and finalize for delivery while keeping clients informed on a daily basis His experience also includes creating DTM's Topo's Tin Models PNC's and Test Hole summary spread sheets Mr Mitchell provides a liaison between designers utility agencies and owners on behalf of clients to provide utility coordination services providing documentation inter coordination and maintenance of files of all activities for each utility agency

#### Relevant Experience

- **FLL Expansion of Runway R- L Fort Lauderdale FL:** KEITH is providing professional design services for the Expansion of Runway R/ L as a sub consultant to PBS J The proposed project includes civil engineering design for the stormwater management system and the water sanitary sewer systems to accommodate the construction of an foot runway on the current footprint of the existing R/ L general aviation runway The overall length of the proposed runway requires the design to include the construction of multiple tunnels and bridge segments crossing over the airport perimeter road FEC Railroad tracks and the U S roadway corridor over which the new runway will be constructed The design will require approximately million cubic yards of imported fill and will raise the east end of the runway to approximately feet high KEITH is responsible for the complete redesign of the existing utilities as well as coordination with all utility stakeholders We are also directly responsible for Project Definition Document (PDD) Validation Report, preparation of the Design Criteria Package Utility Corridor Report, Preliminary Engineering Report, development of the Earthwork Management Plan to coordinate the import and placement of million cubic yards of fill during construction as well as providing engineer's estimate of probable construction costs for use in the Life Cycle Cost Analysis Report.



YEARS OF EXPERIENCE  
22 years

YEARS WITH KEITH  
8 years





## **MICHAEL MOSSEY, PSM**

### **Senior Surveyor and Mapper**

#### **Qualifications**

Mr Mossey has years of surveying and mapping experience in South Florida. The last years Mr Mossey has been the Project Manager for various government agencies including the City of Fort Lauderdale Aviation Department and the Broward County Aviation Department. The aviation projects Mr Mossey has managed have ranged from airside construction to ALP Airspace Analysis Surveys His knowledge of the FAA circulars and airport airfield protocol will be a valuable asset to the team

#### **Relevant Experience**

- **FLL Expansion of Runway 9R-27L, Fort Lauderdale, FL:** KEITH is providing professional design services for the Expansion of Runway R/ L as a sub consultant to PBS J The proposed project includes civil engineering design for the stormwater management system and the water sanitary sewer systems to accommodate the construction of an foot runway on the current footprint of the existing R/ L general aviation runway The overall length of the proposed runway requires the design to include the construction of multiple tunnels and bridge segments crossing over the airport perimeter road FEC Railroad tracks and the U S roadway corridor over which the new runway will be constructed The design will require approximately million cubic yards of imported fill and will raise the east end of the runway to approximately feet high KEITH is responsible for the complete redesign of the existing utilities as well as coordination with all utility stakeholders We are also directly responsible for Project Definition Document (PDD) Validation Report, preparation of the Design Criteria Package Utility Corridor Report, Preliminary Engineering Report, development of the Earthwork Management Plan to coordinate the import and placement of million cubic yards of fill during construction as well as providing engineer s estimate of probable construction costs for use in the Life Cycle Cost Analysis Report.
- **Bombardier Aircraft Service Center at Miami Opalocka Airport Opa Locka FL:** Engineer of Record The project consists of approximately acres of hangar and office area, including a space parking lot, and an acre apron The design for this project accounts for an addition acre hangar expansion for a total of acres of building area. KEITH is providing survey planning and civil engineering services including the site plan preparation and processing water sewer paving for both airside and landside Aqueous Film Forming Foam (AFFF) storage airside pollution prevention system grading and drainage design



*Years of Experience*  
41 years

*Years with KEITH*  
3 years

*Education*  
B.A. , Maryville College

*Professional Registrations*  
LS5660 Professional Surveyor and  
Mappers - Florida



## MICHAEL PHILLIPS, PLA, ASLA, ISA CERTIFIED ARBORIST

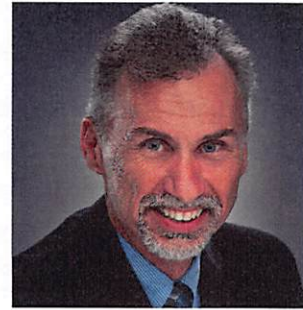
### Senior Landscape Architect

#### Qualifications

Mr Michael Phillips has over 34 years of experience in the field of Landscape Architecture. Since 1985 Mr Phillips has conceptualized, hand sketched and CAD drafted construction documents in the public and private sector. He has been involved with projects ranging from schematic design through final completion, including plant selection, field inspections and project certification. He has produced landscape architecture construction documents that encompass tree survey and tree disposition plans, hardscape layouts and details, grading plans, planting plans, lighting plans and irrigation plans. Additionally, he is well versed in LEED requirements, Florida Friendly Landscaping guidelines, Green Book Standards and FDOT design standards and indexes. Mr Phillips plays a critical role as the QA/QC officer for the Landscape Architecture department. In conjunction with the deliverables schedule, he develops QA/QC milestones aiding project scheduling while ensuring the plans are compliant with applicable codes, ordinances and indexes. Michael's input is key in site inventory and analysis, coordinating with our Survey Department to establish the location and species of trees and appraising the dollar value of such trees, which is paramount in the process of developing tree disposition plans followed by landscape plans that preserve existing trees and vegetation.

#### Relevant Experience

- **FLL Exit Roadway and Valet Routing Improvements, Fort Lauderdale, FL:** KEITH was retained to provide design of the pedestrian crosswalk signalization at both arrival and departure levels. Services included civil engineering, surveying, mapping, subsurface utility engineering, traffic engineering and landscape architecture. The project included: Two exit lanes from the Cypress Garage Rental Car Center (RCC) Helix. A restricted emergency access to the Hibiscus Garage. Verification of structural and constructability aspects of retrofitting the exits from the Cypress Garage Helix. Verification of traffic control concept that accommodates structure work of the Helix. New valet roadway constructed around the Cypress Garage and a potential valet access lane. Demolition of the abandoned toll plaza, BCAD Credentialing Office and associated facilities to the south of the Hibiscus Garage. Construction of a new surface parking lot south of the Hibiscus Garage to be used for Valet Parking. Wayfinding signage for the associated roadways compatible with the Airport Graphics Program. Evaluate restriping of recirculation roadway ramp to provide lanes.



*Years of Experience*

34 years

*Years with KEITH*

6 years

*Education*

B.S. Interior Design, Florida State  
University 1985

*Professional Registrations*

LA0001540 - Florida

ISA Certified Arborist FL A





## **SARAH LANDUCCI, FCHP**

### **Landscape Designer III**

#### **Qualifications**

Ms Landucci born and raised in South Florida, understands the flora and fauna, challenges and nuances of the regional landscape. Sarah has a wide range of experience with landscape design from working in botanical gardens to public parks and private sectors. She has worked as a Landscape Designer and Project Manager at KEITH for over five years. Sarah has been involved with projects from start to finish. From conceptual planning to design development and following through to construction. She has a passion for connecting people to the natural environment and strives to create sustainable designs to enhance our communities.

#### **Relevant Experience**

- **FLL Phase 1 Roadway and Garage Signage, Fort Lauderdale, FL:** KEITH assisted in evaluating signage structure positioning to meet County and State (FDOT) criteria. Plans were developed that include the positioning of relocated or new signage and any requirements in pavement marking plans. Any relocation of existing regulatory signage was defined for inclusion in the drawings. KEITH relied upon GSP for proper positioning of way finding signage and any other related design consideration as it related to the efficiency of airport operations and airport traffic movements. KEITH provided horizontal and vertical data at fourteen (14) existing sign locations. The existing conditions data was located within a twenty foot radius of the base of each of the twenty four sign columns. KEITH located and added the soil boring locations to the final survey data.
- **FLL Cell Lot and Perimeter Road Improvements, Fort Lauderdale, FL:** KEITH provided professional engineering consultant services for design, engineering, and resident project representative services during construction of airport utility and pavement projects. The projects were a grouping of construction, rehabilitation, and renovation activities. KEITH performed work located landside and airside for FLL and HWO.



*Years of Experience*

*7 years*

*Years with KEITH*

*5 years*

*Education*

*B.S. Environmental Studies,  
University of Central Florida 2011*



## **JAMES THIELE, PE**

### **Project Manager III**

#### **Qualifications**

Mr Thiele has nearly 38 years of experience in performing land development civil engineering in South and Central Florida as well as central Pennsylvania. His experience includes all aspects of site planning grading and drainage sanitary sewer collection water distribution system design and construction supervision services His experience includes senior level project oversight and management of multi stage design and development processes for residential recreational commercial industrial and institutional developments His ability to reduce complex technical language to readily understandable terms has afforded him numerous assignments representing governmental bodies for the firms with whom he has worked All the projects Mr Thiele has worked on required interaction and coordination with multiple governing agencies as well as other professional disciplines Knowing the process from conception to project close out affords him the ability to foresee issues which affect costs schedule and quality of a project. He uses this knowledge and experience to quickly address and solve any problems that inevitably arise during a project and proactively seeks to remediate any issues for the client s best interest.

#### **Relevant Experience**

- **FLL Expansion of Runway 9R-27L, Fort Lauderdale, FL: KEITH** is providing professional design services for the Expansion of Runway R/ L as a sub consultant to PBS J The project includes civil engineering design for the stormwater management system and the water sanitary sewer systems to accommodate the construction of an 800 foot runway on the current footprint of the existing R/ L general aviation runway The overall length of the proposed runway requires the design to include the construction of multiple tunnels and bridge segments crossing over the airport perimeter road FEC Railroad tracks and the U S roadway corridor over which the new runway will be constructed The design will require approximately 1.5 million cubic yards of imported fill and will raise the east end of the runway to approximately 10 feet high KEITH is responsible for the complete redesign of the existing utilities as well as coordination with all utility stakeholders We are also directly responsible for Project Definition Document (PDD) Validation Report, preparation of the Design Criteria Package Utility Corridor Report, Preliminary Engineering Report, development of the Earthwork Management Plan to coordinate the import and placement of 1.5 million cubic yards of fill during construction as well as providing engineer s estimate of probable construction costs for use in the Life Cycle Cost Analysis Report.



*Years of Experience*  
38 years

*Years with KEITH*  
10 years

*Education*  
B.S. Civil Engineering, University  
of Miami 1978

*Professional Registrations*  
#33256 State of Florida  
Professional Engineer - Florida





## **JEREMIAH L. FERGUSON, PE**

### **Senior Fuels Mechanical Engineer**

#### **Qualifications**

Jere is a Mechanical Engineer with over 38 years of experience in the design of fuel terminals, tanks, and piping, including both commercial and DoD systems. He has completed numerous designs of aviation fueling facilities liquid petroleum pipelines fleet and retail vehicle fueling facilities prepared SPCC Plans and presented fuels training programs for commercial clients and regulators. Jere has a great understanding of the relevant design criteria for direct fueling systems serving both fixed and rotary wing aircraft. He is trained and experienced on hydraulic system transient evaluation also known as surge analysis.

#### **Relevant Experience**

- **Cartaya Associates Architects FLL Terminal Aircraft Movements to Terminal, Fort Lauderdale, FL**  
Fuels Engineer HDR is providing aircraft movement analysis blast analysis temporary pavement transitions temporary or new pavement striping and signage, and phasing services. Additional services include coordination of stop points for towing operations as well as coordination with other BCAD Consultants maintenance airline representatives fueling operations security and other staff as appropriate. Tasks include evaluating phasing options fueling system coordination connector T impacts to airside operations miscellaneous planning and movement analysis, and negotiations award permitting assistance.
- **Orlando International Airport BP Airside Improvements Program, Avcon, Orlando, FL**  
Fuel Design QA QC Due to the increased number of wide body aircraft utilizing Orlando International Airport, the Greater Orlando Aviation Authority developed the Airside Terminal Improvements program. This program modernized the existing terminal and rehabilitated portions of the existing apron area to accommodate new wide body aircraft parking positions. HDR served as the lead designer for all required fuel hydrant system design associated with these improvements. This included determining the location of relocated fuel hydrant pits for wide body aircraft design of modifications to the fuel system and relocation of the emergency fuel shut off valves. We worked closely with the fuel consortium and airport operations to determine an approach that would minimize impacts to ongoing operations while isolating areas of the fuel system to safely perform the required modifications.



#### **Professional Credentials**

*Bachelor of Science,  
Mechanical Engineering,  
Rensselaer Polytechnic  
Institute RPI)*

*Professional Engineer -  
Mechanical, Iowa,  
License No  
Non Florida PE with ability  
to obtain reciprocity  
Certified Aboveground  
Storage Tank Inspector  
American Petroleum Institute  
US No*

#### **Distinguishing Highlights**

*INDUSTRY TENURE  
years  
HDR TENURE  
7 years*



**Jeremiah L. Ferguson**

○ **ACAA Pittsburgh TMP Gensler HDR – JV Pittsburgh International Airport PA**

Fuels Engineer HDR is working with Gensler as of June ) to provide engineering and architectural services associated with the transformation of the Pittsburgh International Airport. HDR served as the lead designer for the modifications to the fuel hydrant system design associated with this transformation. The overall program goal is to modernize a number of airport facilities and functions looking forward several decades to the future needs of travelers, airlines, and regional airport operators. Eventually, the construction project will have a billion budget, financing a terminal upgrade and relocation of various parts of the airport, including the airport entrance.

○ **Air Force Civil Engineering Center Taxiway Whiskey Replacement Upgrade Andrews Air Force Base MD**

Lead Fuels Engineer The complete design work included full depth airfield pavement replacement of approximately feet by feet with associated fuel vault and vapor extraction pits. New PCC was placed along with a drainage layer, sub base, and collector drains that will tie into the existing storm drainage system. New pavement markings were applied to all new pavements. Shoulders and hardstands along the hangars were replaced as required to support proper replacement of the PCC for B Ramp. Existing fuel vault and vapor extraction pits will be regraded with new elevations and a new lid design to repel water while allowing a low profile to facilitate snow removal operations.



## **TIM FISH, PE**

### **Airside Civil Lead**

#### **Qualifications**

Tim has more than 18 years of combined experience in construction management and civil engineering design. He brings impressive experience in airport planning and design to his projects along with firsthand airfield construction experience. He is very active in the aviation community previously serving a two year term as Secretary for the Airport Consultants Council's Engineering Technical Committee. In this role, he assisted in facilitating and providing reviews of FAA AC's and worked with other professionals to move forward key items that impact the aviation industry.

His effective leadership and listening skills gains the respect of his clients and project teams. Tim has experience in managing on call contracts which require coordination of a multi-disciplined team and the managing of multiple task work orders simultaneously. In these roles, he has been responsible for contract management, subconsultant/contractor oversight, project scheduling, regulatory compliance and permitting, FAA coordination and design-build operation management. Tim brings a great deal of technical expertise to help empower others to transform their approach to solving problems. He has led efforts to provide 2D and 3D design elements for complex airfield projects and programs, allowing both the airport sponsor and impacted stakeholders to see firsthand potential impacts to operations, schedules and cost of proposed improvements during the planning and design phase.

#### **Relevant Experience**

- **Cartaya Associates Architects FLL Terminal Aircraft Movements to Terminal, Fort Lauderdale, FL**  
Project Manager HDR is providing aircraft movement analysis, blast analysis, temporary pavement transitions, temporary or new pavement striping and signage, and phasing services. Additional services include coordination of stop points for towing operations, as well as coordination with other BCAD Consultants, maintenance, airline representatives, fueling operations, security and other staff as appropriate. Tasks include evaluating phasing options, fueling system coordination, connector T impacts to airside operations, miscellaneous planning and movement analysis, and negotiations award permitting assistance.
- **Corgan Associates Inc., FLL Southwest Airlines Terminal One Modernization Program Fort Lauderdale, FL**  
Project Manager. This project involved the replacement and expansion of the current apron area to accommodate the new



#### **Professional Credentials**

*BS, Civil Engineering,  
University of Missouri,  
Columbia, 2004*

*Professional Engineer,  
Florida, No. 70617*

*American Society of  
Civil Engineers (ASCE),  
Broward County Branch,  
President, 2010-2011*

#### **Distinguishing Highlights**

**INDUSTRY TENURE**  
18 years

**HDR TENURE**  
10 years

**Tim Fish**

International Concourse A. This included converting the current single taxiway to a dual taxiway configuration to accommodate aircraft design group III taxiways to meet operational requirements with the addition of Concourse A. One of the keys to success was the detailed Construction Safety and Phasing Plan which allowed all construction activities to be completed while maintaining operations to the existing Terminal and Concourse. We also performed apron planning and gate layout design, planning and design for the expansion of the existing Ground Transportation areas and Curbside areas, design and permitting of utilities, and design and permitting of a stormwater management system in coordination with the airport's Master Model to modify existing SFWMD ERP. Tim was responsible for planning and design services.

○ **Broward County Aviation Department (BCAD) General Engineering Consulting Services  
Fort Lauderdale, FL**

Senior Project Engineer. HDR is leading a team of specialty subconsultants in support of BCAD's current development programs. The range of projects performed by the HDR Team includes environmental engineering services, airside infrastructure studies and improvements, safety security and communication projects, tenant improvements, airport facility refurbishments and improvements, terminal development improvements, landside infrastructure studies, airport development; and airport capital project support. Tim is responsible for an open ended engineering consulting services contract in support of BCAD's current development programs via a five year M task order contract.

## **CODY PARHAM, PE**

### **Senior Civil Engineer**

#### **Qualifications**

Cody works to enhance safety, capacity, and the customer experience at airports through creative solutions for capital improvement challenges. He serves as the aviation market sector lead for HDR's operations in Florida, Alabama, and Mississippi. In this role, he is responsible for client service and execution of strategic growth plans for the aviation market. He works with project managers and client service leads to deliver high quality planning, design, and construction services for his clients. His technical expertise includes site layout; cost estimating; scheduling; construction safety and phasing; stormwater management; grading; erosion and sedimentation control; utilities entitlement acquisition; and construction administration.

In addition to his project work, Cody champions the development of expertise in airport design and construction. He has developed and lead learning sessions on airport finance and design project delivery for the Airport Consultants Council (ACC) and hosts a recurring introductory to airport design seminar through the American Society of Civil Engineers (ASCE).

Cody is an active member of the ACC Engineering Committee, Florida Airports Council Corporate Committee, and the American Society of Civil Engineers Airfield Pavement Committee. His leadership roles include ACC Young Professional Forum Chair and moderator of multiple sessions for the Airport Planning, Design and Construction Symposium. His professional recognitions include Airport Business Magazine's Top Under and the ACC Board of Directors Chair Award.

#### **Relevant Experience**

- **Fort Lauderdale Hollywood International Airport Terminal Apron Civil Works** - Broward County Aviation Department, Fort Lauderdale, FL
- **Project Task Lead** - Open ended engineering consulting services contract in support of BCAD's current development programs via a five year million task order contract. The range of projects performed by our team included environmental engineering services, airside infrastructure studies and improvements, safety, security and communication projects, tenant improvements, airport facility refurbishments and improvements, terminal development improvements, landside infrastructure studies, airport development; and airport capital project support. Led construction administration services for the Terminal apron, including RFI response, observational assessment, pay application review, and evaluation of contractor's proposed alternatives.



#### **Professional Credentials**

*BS, Civil Engineering, Georgia  
Institute of Technology*

*Professional Engineer  
Florida No*

*American Society of Civil Engineers  
ASCE Transportation and  
Development Institute Airfield  
Pavement Committee Member*

*Airport Consultants Council ACC  
Young Professionals Forum Lead*

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

*Airport Business Magazine  
Under*

#### **Distinguishing Highlights**

**INDUSTRY TENURE**

*years*

**HDR TENURE**

*years*



**Cody Parham**

○ **Corgan Associates Inc FLL Southwest Airlines Terminal One Modernization Program Fort Lauderdale, FL**

Construction Administration Lead This project involved the replacement and expansion of the current apron area to accommodate the new International Concourse A This included converting the current single taxiway to a dual taxiway configuration to accommodate aircraft design group III taxiways to meet operational requirements with the addition of Concourse A One of the keys to success was the detailed Construction Safety and Phasing Plan which allowed all construction activities to be completed while maintaining operations to the existing Terminal and Concourse We also performed apron planning and gate layout design planning and design for the expansion of the existing Ground Transportation areas and Curbside areas design and permitting of utilities and design and permitting of a stormwater management system in coordination with the airport's Master Model to modify existing SFWMD ERP Cody was responsible for construction administration including contractor owner coordination site observation and project closeout.

○ **Fort Lauderdale Executive Airport (FLEX) U.S. Customs and Border Protection Facility Fort Lauderdale, FL**

Project Engineer Performed site civil engineering design and local government permitting for facility to be used by the Department of Homeland Security Efforts include full site stormwater grading paving and utilities to support aircraft and vehicular loads Guided SFWMD ERP application through the Broward County EPGMD permitting process Coordinated stormwater management design to maximize LEED credits Facility was certified as LEED BD+C for New Construction – Silver in Cody was responsible for the management of the engineering and architectural design teams as well as construction administration and permitting services



## POSH SUPUPRAMAI, PE

### Airside Aircraft Vehicle Movement Modeling Lead

#### Qualifications

Posh has years of extensive experience in Transportation design. Through his project involvements background, Posh offers wide-spread knowledge of various aspects in Airport design. His experience of airfield design includes gate layouts, construction phasing, aircraft maneuver analysis, pavement, lighting, signing, and pavement markings and utility coordination. His land side experience includes maintenance of traffic, pedestrian bridge, roadway design and landscape design. Posh's computer experience includes AutoCAD Civil 3D, Aviplan, FAARFIELD, Bluebeam, Revit, Synchro, InRoads, Navisworks, MicroStation and AutoTurn. His technical background aids him in his extensive BIM experience, including the management and coordination in design and plan production between various disciplines.

#### Relevant Experience

- **Cartaya Associates Architects FLL Terminal Aircraft Movements to Terminal Fort Lauderdale FL**  
Deputy Project Manager. HDR is providing aircraft movement analysis, blast analysis, temporary pavement transitions, temporary or new pavement striping and signage, and phasing services. Additional services include coordination of stop points for towing operations, as well as coordination with other BCAD Consultants, maintenance, airline representatives, fueling operations, security and other staff as appropriate. Tasks include evaluating phasing options, fueling system coordination, connector T impacts to airside operations, miscellaneous planning and movement analysis, and negotiations award permitting assistance.
- **Southwest Airlines Terminal One Modernization Program Fort Lauderdale Hollywood International Airport Fort Lauderdale FL**  
Civil Design BIM Manager. HDR provided planning and design services to replace the current single taxiway condition with dual aircraft design group III (ADG III) taxiways to meet operational requirements with the addition of Concourse A. All airfield pavement design was performed utilizing the FAA FAARFIELD design software. All proposed work will be completed while maintaining operations to the existing Terminal and Concourse. This required HDR to develop a detailed Construction Safety and Phasing Plan for submittal to and approval by the FAA and affected airlines. This project will also modify the existing airport terminal utility infrastructure as required to facilitate the FLMP. HDR was responsible for the design of the stormwater management system and obtaining both an Environmental Resource and Water Use Permits.



#### Professional Credentials

BS, Civil Engineering,  
Florida Atlantic University

Professional Engineer  
Florida No

#### Distinguishing Highlights

INDUSTRY TENURE  
years

HDR TENURE  
years

**Posh Supupramai**

through the South Florida Water Management District. HDR also obtained all required permits for the proposed potable water and sanitary sewer system improvements through local, county and state agencies. The project's BIM Managers held weekly design coordination meetings on Bluebeam Studio sessions to go over design progress. The team went over review comments that were marked and archived in Bluebeam Studio sessions. The team also performed clash detection coordination to assure that there are no utilities crossing and utility connection conflicts. Posh's role included coordinating with cross disciplines for design implementations and managing the HDR team for plan production.

○ **Broward County Aviation Department (BCAD) General Engineering Consulting Services  
Fort Lauderdale, FL**

Project Designer. HDR is leading a team of specialty subconsultants in support of BCAD's current development programs. The range of projects performed by the HDR Team includes environmental engineering services; airside infrastructure studies and improvements; safety, security and communication projects; tenant improvements; airport facility refurbishments and improvements; terminal development improvements; landside infrastructure studies; airport development; and airport capital project support. Posh has been responsible for providing project documentation assistance and design coordination for various projects.



## DELTA G CONSULTING ENGINEERS, INC.

### **George SanJuan P.E., LEED AP** **Principal in Charge | /Electrical Engineer**

#### **Qualifications**

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

#### **Relevant Experience**

- **FLL Exit Roadway and Valet Routing Improvements I Fort Lauderdale, FL**  
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 I Fort Lauderdale, FL**  
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 I Fort Lauderdale, FL**

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.



#### **Professional Credentials**

*Bachelor of Science in  
Mechanical Engineering –  
Rutgers University 1989*

*Professional Engineer Licenses  
held in 2 States*

#### **Distinguishing Highlights**

*USGBC United States Green  
Building Council LEED  
Accredited Professional in 2007*



**DELTA G CONSULTING ENGINEERS, INC.**

---

○ **Wayman Aviation School Building at HWO at North Perry Airport I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

This project consisted of providing MEPFST systems for the renovation of the existing FXE Administration Building at the Fort Lauderdale Executive Airport.



## **Craig Bozeman**

### **Electrical Engineer**

#### **Qualifications**

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

#### **Relevant Experience**

##### **○ FLL Exit Roadway and Valet Routing Improvements I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

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.



#### **Professional Credentials**

*Associate Degree in Electrical Engineering, 1982 BCC*

○ **Wayman Aviation School Building at HWO at North Perry Airport I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

This project consisted of providing MEPFST systems for the renovation of the existing FXE Administration Building at the Fort Lauderdale Executive Airport.

## **Stephen Bender P.E., LEED AP**

### **Project Manager | Mechanical Engineer**

#### **Qualifications**

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.

#### **Relevant Experience**

##### **○ FLL Exit Roadway and Valet Routing Improvements I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

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.



#### **Professional Credentials**

*Bachelor of Science in  
Mechanical Engineering –  
Rutgers University 1989*

*Professional Engineer Licenses  
held in 2 States*

#### **Distinguishing Highlights**

*USGBC United States Green  
Building Council LEED  
Accredited Professional in 2007*

○ **Wayman Aviation School Building at HWO at North Perry Airport I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

This project consisted of providing MEPFST systems for the renovation of the existing FXE Administration Building at the Fort Lauderdale Executive Airport.



## **Ricardo Torres**

### **Plumbing Designer**

#### **Qualifications**

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.

#### **Relevant Experience**

##### **○ FLL Exit Roadway and Valet Routing Improvements I Fort Lauderdale, FL**

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 Exit Roadway and Valet Routing Improvements I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

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.



***Professional Credentials***  
*School of Architecture, Rafael*  
*Landivar University, Guatemala*

○ **Wayman Aviation School Building at HWO at North Perry Airport I Fort Lauderdale, FL**

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 I Fort Lauderdale, FL**

This project consisted of providing MEPFST systems for the renovation of the existing FXE Administration Building at the Fort Lauderdale Executive Airport

**SIVANANTHAN SRITHARAN, P.E.**  
**Principal in Charge | Principal Engineer**

**Qualifications**

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.

**Relevant 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.



**Professional Credentials**

*Vanderbilt University, 1990*  
*M.S. in Structural Engineering*

*Indian Institute of Technology,*  
*1988*  
*B.S. in Civil Engineering*

*Professional Engineer*  
*Florida – 51133*  
*New York – 093081-1*

*Special Inspector*  
*Florida – 2025*

**Distinguishing Highlights**

*Experience with several FLL projects including Terminal 4 Gate Replacement, FIS Expansion, Terminal 3 Security Checkpoint Expansion and ,Concourse B & C Glazing Replacement*

*Experience in Broward County including with Broward County Aviation Department and Broward County Sheriff's Office*



***Sivananthan Sritharan, P.E.***

- **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.



## KEITH EMERY

### Cost Estimating

#### Qualifications

Over 45 years of experience that includes eleven years self-employed as President of a General Contracting/Management and Quantity-Surveying firm in the Caribbean, as well as 38 years as President of CMS-Construction Management Services, Inc. in Florida (established in 1976, incorporated in 1980); Expert Witness Services provided for numerous court cases.

Airport facilities and runways, cruise-port facilities, high rises, offices, condominiums, shopping centers, service stations, single-family homes, townhouses, condominiums, banks, drainage systems, sewer/water mains and pumping stations, museums, auditoriums and theaters, cultural arts centers, schools (K-12), colleges and universities, hospitals and medical facilities, highways, secondary roads, bridges, parking garages, recreational parks, libraries, country clubs, community and recreational centers, hotels and resorts, public safety facilities, courthouses/judicial complexes, governmental centers, police stations, fire stations, and various state and federal government projects.

#### Relevant Experience

Quantity Surveyor/Cost & Quality Consultant (Airport Projects):

- **Fort Lauderdale-Hollywood International Airport:** South Runway Security Enhancements (Security Cameras) and Construction of MDF Utility Building • Signage Guidance System/Roadway & Garage Wayfinding Signage • Terminal 1: In-Line Baggage Screening Solution and Cooling Towers/Chillers, Concourse A – Roadway Barrier, Concourses B & C – Window Replacement, Narrow with Connector to Baggage Claim, without Group Check-In; Dual Taxi Lane connecting Concourses A and B, Terminal 1 Info Booths (4 Locations) • Terminal 3: Interior Improvements/Restroom Renovation & Concourse E Checkpoint Renovation, Generator Replacement, Chiller Plant Upgrades • Infield Parking Garage • Concourse A Taxi Lanes • Concourse B – New North Passenger Terminal • Apron/Taxi Lane – Remote Overnight Aircraft Parking East of Concourse B • Terminal 4 – Four-Phase Planning Study, Duty-Free Shop/Elevated Slab, Broward County Aviation Dept Lobby Renovation and Pre-Security Family Restroom. FIS/ATO Expansion • Terminals 1, 2, and 3 Flooring Study • Terminals 1, 2, 3 & 4 – Chiller Plant Renovation and FIDS Monitors • Exterior Landscaping, Irrigation & Aesthetic Improvements (Master Landscape & Aesthetics Plan) • Concourse H - Pre- & Post-Security Concession/Queuing Study • Aircraft Ramp • New Consolidated Rental Car Garage • ARFF Midfield Station Water Intrusion and HVAC Repairs • Phase 1 Remodel & Expansion of Existing Terminals 2, 3, and 4 with Additional Pedestrian Connecting Bridges • Terminals 1, 2 & 4 FIDS Monitors



#### Professional Credentials

*Bachelor's Degree in Civil Engineering and Construction Management with a Higher National Certificate (H.N.C.) Diploma in Quantity Surveying and Estimating from the University of Lancashire (London, England)*

*Certified Contractor Instructor for Department of Transportation*

*Past Chairman of the Board, Deerfield Beach Housing Authority*

*Past Director, Pompano Beach Chamber of Commerce*

*Past Commissioner, Deerfield Beach Chamber of Commerce*

*Life Member of the Organization of Chartered Quantity Surveyors (London, England)*

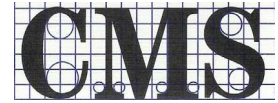
#### Distinguishing Highlights

- ❖ *The City of Pompano Beach/Chamber of Commerce – Certificate of Appreciation to CMS as Small Business of the Month (2007)*
- ❖ *The Miami Herald – In Recognition of CMS as Finalist Small Business Pacesetters in Broward County (1992)*
- ❖ *Greater Deerfield Beach Chamber of Commerce – In Grateful Appreciation to Keith Emery as Director (1991 – 1994)*
- ❖ *The Council for Black Economic Development – Certificate of Appreciation to CMS for Outstanding Achievement (1989)*

- ❖ *Florida Atlantic Builders Association (FABA)* – In Recognition to Keith Emery as Commercial Builders Council Chairman for Dedicated Service on behalf of the Building Industry (1987 – 1988)
- ❖ *Florida Atlantic Builders Association (FABA)* – Certificate of Appreciation to Keith Emery for Outstanding Contribution to the FABA Office Building's Success (1984)
- ❖ *The Greater Pompano Beach, North Broward County Chamber of Commerce* – Outstanding Service as a Director to Keith Emery for (1983 – 1986)

• Perimeter Security Enhancements • Airport Security Reroofing • Safety Facility Renovation • Signage & Wayfinding Master Plan • Spirit Airlines Baggage Services Office Relocation • Inline Baggage Screening Design Criteria Package • BCAD Public Safety Facility • Federal Inspection Services (FIS) Customs & Border Patrol Renovation • Hibiscus and Palm Parking Garages (Sprinkler Study Project - Fire Protection) • Air Freight Facility • Exit Roadway & Valet Improvements Wayfinding Signage • Greenbelt Park Irrigation Main Extension • Westside Water Main Extension Loop • Overall Irrigation Greenbelt • Emergency Operations Center Electrical Renovation

**North Perry Airport:** Security Enhancement, Access Control & CCTV (Added Perimeter Security, including lighting, conduits, cable, gate card entry)



## **DYLAN LARSON, SPWS, CEP, GTA**

### **Environmental Consulting Discipline Leader Permitting**

#### **Qualifications**

Mr. Larson has significant experience in environmental consulting in Florida and is responsible for overseeing and performing studies and investigations on biological and ecological impacts affecting the firm's projects. This includes field evaluations, assessments, recommendations, and report writing.

Dylan has established himself as a valuable leader and team member on a variety of the firm's projects that have involved environmental issues. Specific responsibilities include: wetland jurisdictional determination, dredge and fill permitting, wetland mitigation design, mitigation monitoring, recommendations for maintenance procedures, coordination and oversight of environmental GIS applications, and assistance with plan preparations and mitigation. In addition, Dylan is a Principal and member of the firm's Leadership Council.

#### **Relevant Experience**

- **Broward County Aviation Department (BCAD) Fort Lauderdale Hollywood International Airport South Runway Project** Miller Legg was the lead professional for environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also included tracking of all other site permits including stormwater, utility, FEC, and roadway permits. The new Runway was LF and elevated to cross over the Airport's Perimeter Road, the FEC railroad, and US . Extensive permitting agency coordination was required due to mangrove and other wetland impacts. Utilizing LEED criteria, sustainability opportunities existed in selection of more energy-efficient utilities inside the structures over the roadways and in preservation of existing resources. Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water, and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other sustainability benefits could be realized. Miller Legg was a subconsultant to Atkins North America.
- **Broward County Aviation Department (BCAD) Fort Lauderdale Hollywood International Airport South Runway Hilton Hotel Demolition Tree Survey** Relocation Hilton Demolition Miller Legg and its Certified Arborists conducted a comprehensive tree survey inventory on all trees located at the prior Hilton hotel property in Dania Beach. Using this data, Miller Legg acquired the necessary City and



#### **Professional Credentials**

*Master of Business  
Administration Nova  
Southeastern University*

*Bachelor of Science Biology  
and Business Administration  
University of Wisconsin Stevens  
Point,*

*Professional Wetland Scientist,*

*Certified Landscape Inspector  
Florida*

*Authorized Gopher Tortoise Agent,  
Florida*

*Wetland Delineation Certification*

*Certified Environmental  
Professional*

*PADI Certified Rescue Diver*

*Member Broward County Climate  
Change Task Force current*

*Technical Team Member Broward  
County Water Resources  
Task Force current*

*Past Member Broward League of  
Cities Environmental Committee*

*Member FICE SFWMD Water  
Resources Liaison Committee  
current*

*Past President and Past Board of  
Directors Florida*

*Association of Environmental  
Professionals Treasure Coast*





**Dylan Larson**

County permits to remove trees that were within a 100 foot buffer of the Hilton Hotel which was scheduled for demolition as it was a man made obstruction based on FAA guidelines and the opening of the new Fort Lauderdale Hollywood Airport runway. The firm coordinated with the client, demolition experts and contractor on construction methodologies for tree preservation protection and adherence to permit conditions and county and local tree preservation codes. Miller Legg also conducted a multi week observation of the Hilton Hotel demolition in order to ensure the trees permitted to remain on site were constantly protected from large scale demolition equipment. In addition Miller Legg provided observation during construction for permit compliance in addition to the tree relocation process on site with accompanying field reports of activity. Civil engineering services included specifications preparation and permitting coordination with agencies such as DEP (asbestos report) various Broward County Departments City of Dania Beach and relevant public utilities. This was necessary for utility and cellular power down close out or removal in advance of the demolition event. Prepared demolition specs and anticipated permitting time frames for contractor and coordinated removal of equipment for all cellular providers occupying the cellular towers.

- **Broward County Aviation Department (BCAD) Fort Lauderdale Hollywood International Airport South Runway Extension Burrowing Owl Assessments Permitting and Relocation** One of the Miller Legg assignments associated with the Fort Lauderdale Hollywood International Airport (FLL) South Runway Extension project involved assessments of burrowing owl populations on Airport property. For this work order the Miller Legg environmental observers navigated airside communicated with the tower and evaluated burrowing owl populations. To comply with State and Federal requirements burrowing owl assessments with supplemental reports were provided up to three (3) times per week for approximately 1 year. Non lethal harassment and relocation of burrowing owls airside occurred with the use of subterranean burrow cameras attached to the end of long flexible plastic tubes. In determining whether burrows were active or inactive prior to relocation firm biologists became very familiar with working airside and conducting the appropriate field techniques. Plant and herbaceous coverage surveys wildlife and prey item familiarization were additional key factors. The team coordinated weekly with FLL staff the Qualified Wildlife Biologist and USDA Qualified Wildlife biologist, navigated airside and communicated with the Traffic Control Tower over the duration of the project, providing precise data collection and record keeping in order to keep the project moving forward.
- **City of Fort Lauderdale Executive Airport (FXE) Parcels B C D Permitting**
- **City of Fort Lauderdale Executive Airport (FXE) Parcels B C D Engineering Earthwork**
- **City of Fort Lauderdale Executive Airport (FXE) Mitigation Services Parcel B**
- **City of Fort Lauderdale Executive Airport (FXE) Outparcels B C D Cypress Creek Commerce Center Site Work**
- **City of Fort Lauderdale Executive Airport (FXE) Wildlife Hazard Management Plan (WHMP)**
- **City of Fort Lauderdale Executive Airport (FXE) Wildlife Assessment Plan**
- **City of Fort Lauderdale Executive Airport (FXE) Year EPD Drainage System Re Certification**
- **Broward County Convention Center Expansion Owner's Representative**
- **Broward County Convention Center Master Plan**
- **Port Everglades Turning Notch Mangrove Wetland Creation Project**
- **Broward County Parks and Recreation West Lake Park II Environmental Services**



## JENNIFER SHIPLEY

### Environmental Specialist

#### Qualifications

Ms Shipley is an Environmental Specialist responsible for wetland determination and delineation wetland mitigation design and monitoring environmental permitting threatened and endangered species surveys and assessments benthic surveys coral seagrass and mangrove surveys and monitoring

#### Relevant Experience

- **Broward County Aviation Department BCAD) Fort Lauderdale Hollywood International Airport South Runway Project** Miller Legg is the lead professional for environmental permitting and for determining sustainability strategies viable for implementation on the new South Runway project. The role of the firm also includes tracking of all other site permits including stormwater utility FEC and roadway permits Extensive permitting agency coordination is required due to mangrove and other wetland impacts Utilizing LEED criteria, sustainability opportunities exist in selection of more energy efficient utilities inside the structures over the roadways and in preservation of existing resources Project evaluation was also completed to determine opportunities to reduce the heat island effect, reduce irrigation water use from potable water and incorporate other elements of the Airport Master Plan into the Runway project approach where environmental or other sustainability benefits could be realized Miller Legg is a subconsultant to Atkins North America.
- **Broward County Parks and Recreation West Lake Park II Environmental Services** Miller Legg is the prime consultant for the permitting and design of enhancements for the second phase of this acre estuarine wetland Services provided included: paving and drainage improvements for the nature center and associated parking lot, design of three sewage pump stations water distribution system design sanitary sewage collection and transmission system design off site force main traffic engineering surveying water quality data analysis hypothesis development and review sediment analysis fishery analysis rip rap design benthic macro invertebrate identification seagrass survey mitigation credit determination and permitting with the US Army Corps of Engineers Florida Department of Environmental Protection South Florida Water Management District, and Broward County Environmental Protection Department.



#### Professional Credentials

*Bachelor of Arts Geology  
Hartwick College*

*FDEP Qualified Stormwater  
Management Inspector FL*

*FLERA Annual Conference West  
Lake Park: A Successful Habitat  
Restoration Co Presenter*

*SFAEP Annual Conference West  
Lake Park: Mangroves Seagrass  
and Mudflats Co Presenter*

#### Distinguishing Highlights



## Sheng Yang, P.E., PTOE

### Principal

#### Qualifications

Mr. Yang has over 19 years of engineering experience with emphasis in traffic engineering, transportation planning, Geographic Information System (GIS) application, and data analysis. Prior to joining the industry, Mr. Yang was a Research Assistant in the Lehman Center of Transportation Research (LCTR) at Florida International University (FIU). He has been involved in several research projects for Florida Department of Transportation (FDOT), which focus on travel demand model improvements and GIS application in transportation planning. After he started his professional career, Mr. Yang has served FDOT and many other local governments, such as Miami-Dade County and TPO, Broward County and MPO, City of Fort Lauderdale, City of Boca Raton, and Palm Beach TPA. He has provided professional services in multimodal planning and engineering, traffic analyses, managed lane feasibility studies, transit corridor studies, traffic simulation, travel demand modeling, transit and multimodal minor design, PD&E studies, park & ride, corridor action plan/master plan development, ITS planning and technology implementation, traffic impact study and reviews, traffic data collection, long range travel demand forecasts, school zone studies, and local government transportation system master plan development. He is familiar with various simulation platforms, programming languages, and demand modeling programs.

#### Relevant Experience

- **Transit and Multimodal Development Continuing Services; FDOT District 4.** Project Manager. Performed transit, rail, freight, and multimodal system program administration and engineering support. Perform Districtwide grants (FTA, FRA, FHWA, and state) administration and application process for multimodal system. Performed safety and security review and vehicle inventory review for transit and rail system. Led the planning and engineering support for FEC/CSX Rail Crossing Delay Study, Hialeah Rail Yard Master Plan Scoping, Park & Ride Facility Planning, Engineering, and Design, High Crash Rail Crossing Safety Study and Design, Crossing Trespassing Design, Conceptual Design for Multimodal Development, Sample Road Multimodal Improvement Study, University Drive Alternative Analysis, and SR-7 South Transit Improvement Study. (Client: FDOT District 4; Location: Broward County, Florida; Contact: Gregor Senger; Telephone: 954-677-4141; Start/End Date: 09/2016-Present.)



#### Professional Credentials

*M. Sc. in Civil Engineering,  
Florida International University,  
Miami, FL, 2002*

*B. Sc. in Civil Engineering  
Southeast University, Nanjing,  
China, 2000*

*Florida P.E. # 64802, 2006;  
P.T.O.E.*

*Fine Arts Building  
National & Local recognitions for  
his work including recent front  
page of the Sun Sentinel*

#### Distinguishing Highlights

*Over 19 years of experience in  
Transportation and Transit  
Planning, Traffic Simulation,  
Traffic Operation, Traffic Data  
Collection, Travel Demand  
Modeling, GIS Application, Urban  
Planning, Land Use Modeling,  
Computer Aided in Traffic  
Engineering*



**Sheng Yang**

- **Districtwide Transit Program Support, FDOT District 4.** Project Manager. Performed transit program administration and planning support. Managed Districtwide Transit Grants and application process. Performed safety and security review and vehicle inventory review for local transit agencies. Led the corridor planning support for Broward Boulevard Alternative Analysis, and Hollywood/Pines Boulevard Corridor Transportation Improvement Study. Support the Department in corridor study NEPA process. (Client: FDOT District 4; Location: Broward County, Florida; Contact: Jayne Pietrowski; Telephone: 954-677-7898; Start/End Date: 09/2014-Present.)
- **Districtwide Traffic Operation/Safety Studies, FDOT District 6.** Project Manager. Perform traffic engineering operational and safety studies and reviews for Traffic Operations Office. Tasks include traffic simulation, intersection assessment, traffic data collection, signal warrant analysis, sight distance evaluation, LOS analysis, safety and crash analysis, signal timing optimization, and fatal crash reviews. Perform comprehensive reviews representing FDOT for Miami-Dade SMART Corridor. (Client: FDOT District 6; Location: Miami-Dade County, Florida; Contact: Ramon Sierra; Telephone: 305-470-5336; Start/End Date: 2013-Present.)
- **PortMiami Tunnel Freight Mobility Evaluation Study, FDOT District 6.** Principal in Charge. Oversee the tasks evaluating existing and future multimodal transportation system conditions with PortMiami Tunnel in operation. Tasks include future multimodal improvements identification; coordination with PortMiami, CSX, FEC, cruise companies, and other partners; demand model development; Port Evacuation VISSIM Model development and validation; project management and documentation. (Client: FDOT District 6; Location: Miami-Dade County, Florida; Contact: Carlos Castro; Telephone: 305-470-5238; Start/End Date: 2017-Present.)
- **Districtwide SIS Program Support, FDOT District 4.** Project Manager. Provided comprehensive planning and engineering services for FDOT District 4 Strategic Intermodal System (SIS). Lead the tasks of performing SIS facility LOS evaluation, developing SIS corridor action plan/master plan, Interchange access documents development and reviews (IJR/IMR/IOAR), SIS Cost Feasible Plan Development, LRTP development, DRI and Sub-DRI reviews, Comp Plan Review and growth management documentation reviews, ITS and other technology review for SIS operation improvements, SIS management database and program development, and concurrency and development plan reviews. Assist the Department in preparing and participating at public meetings, coordination with local governments. As part of the contract, Mr. Yang recently assisted the Department with Interchange Operations Analysis Reports (IOAR) for I-95 at Woolbright Road, I-95 at Gateway Blvd, I-95 at 6 Avenue S., I-95 at 10 Avenue N. and I-95 at Lantana Road. (Client: FDOT District 4; Location: Broward County, Florida; Contact: Tammy Campbell; Telephone: 954-777-4668; Start/End Date: 09/2010-Present.)
- **Oakland Park Boulevard Alternative Analysis, FDOT District 4.** Project Manager for traffic analysis. Provide planning and traffic analysis services for an Alternatives Analysis (AA) to investigate and evaluate premium transit improvements in the Oakland Park Boulevard corridor. Mr. Yang led the Team traffic data collection and analysis effort to identify a Locally Preferred Alternative (LPA) for the study corridor. He performed data collection for both traffic and transit along the corridor, studied traffic patterns and market using advanced Dynamic Traffic Assignment (DTA) tool, and conducted micro-simulation analysis for all 45 signalized intersections along the corridor using VISSIM tool. (Client: FDOT District 4; Location: Broward County, Florida; Contact: Khalilah Ffrench; Telephone: 954-677-7898; Start/End Date: 02/2012-Present.)

## Traci-Anne Boyle, MBA, CIH, CSP

### President

#### Qualifications

Ms. Boyle has over twenty-eight (28) years of diverse environmental consulting and industrial hygiene experience spanning more than thirty states in the US as well as the Caribbean. Her niche is in successfully directing sensitive, complex, multi-disciplinary, and large-scale environmental and industrial hygiene projects. Her experience includes simultaneous senior project management of multi-million dollar environmental projects in three (3) states.

Ms. Boyle has provided environmental consulting to a variety of parties including domestic and foreign government officials, attorneys, insurance companies, lending institutions, architects, engineers, the construction industry, property asset managers, multi-national corporations, and regulatory agencies.

Ms. Boyle is the technical qualifier for AirQuest's industrial hygiene and safety consulting services and she is the Chief Executive Officer responsible for all aspects of the business.

#### Relevant Experience

- **Broward County Aviation Department:** Senior project manager for environmental consulting services in support of Broward County Aviation Department's noise mitigation program. 1,200 homes were impacted by the addition of a runway at Fort Lauderdale-Hollywood International Airport. AirQuest provided asbestos and lead surveys, abatement oversight, and clearance.
- **Broward County Aviation Department and Risk Management:** Senior project manager for environmental consulting services on a variety of projects at Fort Lauderdale-Hollywood International Airport. AirQuest has conducted dozens of projects in and around the airport in support of ongoing maintenance activities and as part of the expansion program. Services have included environmental consulting, industrial hygiene, project design, and remediation oversight.
- **Broward County Aviation Department:** AirQuest responded to an uncontrolled asbestos and lead-based paint dump site discovered during the expansion to Terminal 4 at Fort Lauderdale-Hollywood International Airport. AirQuest was contracted to confirm the presence and extent of asbestos-containing materials, develop a remedial plan, obtain cost estimates, and notify regulatory agencies. AirQuest also collected soil and groundwater samples to evaluate if lead impacted the soils and groundwater at the site.



#### Professional Credentials

*Bachelor of Science  
Florida International University –  
1993*

*Master of Business Administration  
University of Baltimore – 2002*

*Certified Industrial Hygienist  
#8561*

*Certified Safety Professional  
#23595*

*Florida Asbestos Consultant  
#AX-60*

*Florida Mold Assessor #MRSA-135*

#### Distinguishing Highlights

*Over 28 Years of Experience*

*Subcommittee on Stewardship and  
Sustainability for the American  
Board of Industrial Hygiene*





**Traci-Anne Boyle**

- **Federal Aviation Administration Air Route Traffic Control Center:** AirQuest conducted environmental consulting services in several Federal Aviation Administration sites throughout the United States including:
  - ZJX: Conducted asbestos surveys, asbestos abatement oversights, and clearances during and after the removal of asbestos-containing materials. Conducted lead-based paint abatement oversights and clearances after the removal of lead-based paint containing materials. Conducted mold remediation oversight and post-remediation testing following the removal of mold-impacted materials.
  - ZMA, ZME, ZHU, ZLA, ZTL: Conducted asbestos abatement oversights and clearances during and after the removal of asbestos-containing materials.
  - HIO and SLE: Conducted initial asbestos and lead-based paint inspections of the air traffic control towers prior to renovations.
  - PNS: Conducted initial asbestos and lead-based paint inspections of the Glidescope shed prior to renovations.

## RAJ KRISHNASAMY, P.E.

Principal in Charge | Principal Engineer

### Qualifications

Mr. Raj Krishnasamy, P.E., President and Principal Engineer of TSFGeo, is a Florida State Registered Geotechnical Engineer with over 34 years of experience. His experience consists of successfully completing over 5,000 public and private projects, **highlighted by 150+ aviation projects, design-build projects over \$2 billion in construction costs, and prominent projects such as Fort Lauderdale-Hollywood International Airport's South Runway Expansion (featuring the largest MSE wall in Florida).**

He serves as Project Manager for continuing contracts with over 25 Florida public agencies and is the **Lead Geotechnical Engineer on numerous aviation continuing contracts including: Professional Consultant Services for Fort Lauderdale-Hollywood International Airport and North Perry Airport, Building Projects, Palm Beach County Department of Airports General Consultant Services, and the City of Fort Lauderdale's Aviation Consulting Services, General Engineering** amongst others.

### Relevant Experience

- North Perry Airport (HWO) Taxiway N Rehabilitation, Broward County, Florida
- HWO Perimeter Security System, Broward County, Florida
- Fort Lauderdale-Hollywood International Airport (FLL) - Terminal 1 Modernization, Broward County, Florida
- FLL Airport – Terminal 2 Modernization, Broward County, Florida
- FLL Airport – Terminal 3 Modernization, Broward County, Florida
- FLL Airport – Terminals 2, 3 & 4 Pedestrian Bridges, Broward County, Florida
- FLL Airport – Terminal 4 Rehabilitation and Expansion, Broward County, Florida
- FLL Airport – South Security Gate, Broward County, Florida
- FLL Airport - T4 FIS Building, Broward County, Florida
- FLL Airport – Roadway and Garage Sign Structures, Broward County, Florida
- FLL Airport – Bombardier Hangar and Parking Lot, Broward County, Florida
- FLL Airport – Concourse B, Broward County, Florida
- FLL Airport – South Security Gate, Broward County, Florida
- FLL Airport – Airfield Electrical Equip Shelter, Broward County, Florida
- FLL Airport – Fueling Hydrants - Western Expansion, Broward County, Florida



### Professional Credentials

*MS in Geotechnical Engineering,  
University of Memphis, 1995*

*BS in Civil Engineering, Christian  
Brothers University, 1987*

*Diploma in Electronic Engineering,  
Malaysian Air Force Institute,  
1984*

*Professional Engineer: Florida,  
53567*

*Water Well Contractor, Florida,  
11346*

*Certified OSHA Supervisor*

*Certified Environmental Consultant*

**SUBCONTRACTOR/SUBCONSULTANTS/SUPPLIERS INFORMATION: COMPLETE NON CBE LIST**

**Subcontracted Firm's Name:** RS&H  
**Subcontracted Firm's Address:** Fort Lauderdale  
**Subcontracted Firm's Telephone Number:** 954-236-7396  
**Contact Person's Name and Position:** John Carrigan, VP Aviation  
**Person's E-Mail Address:** john.carrigan@rsandh.com  
**Estimated Subcontract/Supplies Contract Amount:** 40%  
**Type of Work/Supplies Provided:** Mechanical, Electrical, Plumbing, Fire Protection and IT Engineering, Airside Civil Engineering, Transportation and Traffic Engineering

**Subcontracted Firm's Name:** Jacobs  
**Subcontracted Firm's Address:** Miami  
**Subcontracted Firm's Telephone Number:** 305-342-3023  
**Contact Person's Name and Position:** Luis Olivares  
**Person's E-Mail Address:** luis.olivares@jacobs.com  
**Estimated Subcontract/Supplies Contract Amount:** 10.5%  
**Type of Work/Supplies Provided:** Structural Engineering, Threshold Inspections, Signage and Wayfinding, LEED/Commissioning

**Subcontracted Firm's Name:** KEITH  
**Subcontracted Firm's Address:** Pompano Beach  
**Subcontracted Firm's Telephone Number:** 954-788-3400  
**Contact Person's Name and Position:** Alex Lazowick  
**Person's E-Mail Address:** alex@keithteam.com  
**Estimated Subcontract/Supplies Contract Amount:** 10%  
**Type of Work/Supplies Provided:** Surveying, SUE and Landscape Design, Landside and Utility Engineering

**Subcontracted Firm's Name:** MacFarland-Johnson  
**Subcontracted Firm's Address:** Hollywood  
**Subcontracted Firm's Telephone Number:** 305-705-4871  
**Contact Person's Name and Position:** John Mafera  
**Person's E-Mail Address:** jmafera@mjinco.com  
**Estimated Subcontract/Supplies Contract Amount:** 2%  
**Type of Work/Supplies Provided:** Airport Master Planning, Terminal Planning and Airport Modeling, Blast Analysis

**Subcontracted Firm's Name:** HDR  
**Subcontracted Firm's Address:** Fort Lauderdale  
**Subcontracted Firm's Telephone Number:** 954-531-7848  
**Contact Person's Name and Position:** Tim Fish  
**Person's E-Mail Address:** timothy.fish@hdr.com  
**Estimated Subcontract/Supplies Contract Amount:** 2%  
**Type of Work/Supplies Provided:** Fuel Systems Design and Supporting Airside Civil Engineering

**Subcontracted Firm's Name:** Tierra South Florida  
**Subcontracted Firm's Address:** Palm Beach  
**Subcontracted Firm's Telephone Number:** 561-687-8536  
**Contact Person's Name and Position:** Raj Krishnaswamy  
**Person's E-Mail Address:** Estimated Subcontract/Supplies Contract Amount: 5%

**SUBCONTRACTOR/SUBCONSULTANTS/SUPPLIERS INFORMATION: COMPLETE NON CBE LIST**

**Type of Work/Supplies Provided:** Geotech and Materials Testing



## Supplier: **Cartaya and Associates Architects PA**

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

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

## **F. Demonstrations**

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

## **G. Presentations**

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

## **H. Public Art and Design Program**

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

## **I. Committee Appointment**

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

## **J. Committee Questions, Request for Clarifications, Additional Information**

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

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

## **K. Vendor Questions**

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

## **L. Confidential Material/ Public Records and Exemptions**

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

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

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

## **M. Copyrighted Materials**

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

## **N. State and Local Preferences**

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

## **O. Local Preference**

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

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

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

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

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

#### **P. Tiebreaker Criteria**

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

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

#### **Q. Posting of Solicitation Results and Recommendations**

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

#### **R. Review and Evaluation of Responses**

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

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



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

## **S. Vendor Protest**

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

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

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

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

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

## **T. Right of Appeal**

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

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

## **U. Rejection of Responses**

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

## **V. Negotiations**

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

## **W. Submittal Instructions:**

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

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

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

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

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

## Supplier: Cartaya and Associates Architects PA

### 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: Cartaya and Associates Architects PA****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: **Cartaya and Associates Architects, P.A.**
2. Doing Business As/Fictitious Name (if applicable): **Cartaya and Associates Architects**
3. Federal Employer I.D. no. (FEIN): **59-2329682**
4. Dun and Bradstreet No.: **2400 E. Commercial Boulevard, Suite 201**
5. Website address (if applicable): **www.cartayaandassociates.com**
6. Principal place of business address: **2400 E. Commercial Boulevard Suite 201 Fort Lauderdale, FL 33308**
7. Office location responsible for this project: **same**
8. Telephone no.: **954-771-2724** Fax no.: **n/a**
9. Type of business (check appropriate box):
  - ☒ Corporation (specify the state of incorporation): **Florida**
  - ☐ Sole Proprietor
  - ☐ Limited Liability Company (LLC)
  - ☐ Limited Partnership
  - ☐ General Partnership (State and County filled in) **Florida**
  - ☐ Other – Specify
10. List [Florida Department of State, Division of Corporations](#) document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
  - a) **Mario Cartaya - CEO**
  - b) **Mario M. Cartaya - President, Secretary**
  - c) **Juan Justiniano - Vice President, Treasurer**
  - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:  
Name: **Deborah Martin**  
Title: **Marketing Manager**  
E-mail: **dmartin@cartayaandassociates.com**  
Telephone No.: **954-771-2724**  
  
Name: **Mario M. Cartaya**  
Title: **President**  
E-mail: **mjcartaya@cartayaandassociates.com**  
Telephone No.: **954-771-2724**
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:

**Mario M. Cartaya**

**President**

**4/21/2021**

\*AUTHORIZED SIGNATURE/NAME

TITLE

DATE

Vendor Name: **Cartaya and Associates Architects**

\* 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: Cartaya and Associates Architects PA**

**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: **Bernie Friedman**

Lobbyist's Firm: **Becker & Poliakoff**

Phone: **954-328-9144**

E-mail: **bfriedmant@beckerlawyers.com**

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

**Authorized Signature/Name: Mario M. Cartaya Date: 4/20/2021**

**Title: President**

**Vendor Name: Cartaya and Associates Architects**

Supplier: **Cartaya and Associates Architects PA****LITIGATION HISTORY FORM**

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: <b>Please see attached</b> Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	
Name of Court or other tribunal	
Type of Case	Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/>
Claim or Cause of Action and Brief description of each Count	
Brief description of the Subject Matter and Project Involved	
Disposition of Case  (Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)	Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/>  Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/>  If Judgment Against, is Judgment Satisfied? <input type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: Email: Telephone Number:

**Vendor Name: Cartaya and Associates Architects, P.A.**

Supplier: **Cartaya and Associates Architects PA****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).

<b>Mario M. Cartaya</b>	<b>President</b>	<b>Cartaya and Associates</b>	<b>4/20/2021</b>
<b>Authorized Signature/Name</b>	<b>Title</b>	<b>Architects, P.A.</b>	<b>Date</b>
		<b>Vendor Name</b>	



**Supplier: Cartaya and Associates Architects PA**

**AFFILIATED ENTITIES OF THE PRINCIPAL(S) CERTIFICATION FORM**

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

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

The Vendor hereby certifies that: (select one)

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

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Authorized Signature Name: **Mario M. Cartaya**

Title: **President**

Vendor Name: **Cartaya and Associates Architects**

Date: **4/20/2021**

Supplier: **Cartaya and Associates Architects PA**

## 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 **0%**.

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

**2400 E. Commercial Boulevard, Suite 201  
Fort Lauderdale, FL 33308**

☐ **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 **FLORIDA**% 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:**  
**2400 E. Commercial Boulevard**  
**Suite 201**  
**Fort Lauderdale, FL 33308**

**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: **Mario M. Cartaya**

TITLE: **President**

VENDOR NAME: **Cartaya and Associates Architects**

DATE: **4/20/2021**

**Supplier: Cartaya and Associates Architects PA**

**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:** Cartaya and Associates Architects


Supplier: **Cartaya and Associates Architects PA**

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

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

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

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

 bold line separating sections

1. Subcontracted Firm's Name: **see attached 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:

 bold line separating sections

2. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

3. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:



bold

4. Subcontracted Firm's Name:

separating

sections

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.

**Mario M. Cartaya**      **President**      **Cartaya and Associates Architects**      **4/20/2021**

**Authorized Signature/Name**

**Title**

**Vendor Name**

**Date**



**Supplier: Cartaya and Associates Architects PA****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.	Professional Consulting Services FLL/HWO Building Projects	Z1224902P1	Aviation Department	06/02/2015	\$6,118,108.09	\$2,832,558.55
2.	Port Everglades T2/T4 Parking Garage Expansion & Roadway Impr.	R2111178P1	Construction Mgmt. Div.	01/10/2017	\$6,179,000.46	\$3,012,611.07
3.	Work of a Specified Nature	R0832007R1	Construction Mgmt. Div.	05/03/2011	\$583,179.10	\$519,127.83
4.	Work of a Specified Nature	R2111778P1	Construction Mgmt. Div.	11/14/2017	\$504,658.49	\$271,541.34
5.						
6.						
7.						

Grand Total      **\$13,384,946.14    \$6,635,838.79**

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: Cartaya and Associates Architects**

**Mario M. Cartaya**  
Authorized Signature/Name

**President**  
Title

**4/20/2021**  
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.	<b>Broward County Courthouse</b>	<b>BCM0303060000000054</b>	<b>Construction Mgmt. Div.</b>	<b>08/04/2009</b>	<b>15.5</b>	<b>1,198,694.34</b>	<b>1,198,694.34</b>
2.							
3.							
4.							
5.							
6.							
7.							
8.							
Grand Total						<b>1,198,694.34</b>	<b>1,198,694.34</b>

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: Cartaya and Associates Architects**

**Mario M.Cartaya**  
Authorized Signature/Name

**President**  
Title

**4/20/2021**  
Date

**Supplier: Cartaya and Associates Architects PA**



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](http://www.broward.org)