

R. J. Behar & Company, Inc.

Bid Contact **Robert Behar**
dbehar@rjbehar.com
Ph 954-680-7771

Address **6861 SW 196 Ave**
Suite 302
Pembroke Pines, FL 33332

Supplier Code VC0000040324

Qualifications **DBE MBE SB**

Bid Notes **R.J. Behar & Company, Inc. is pleased to submit on this project.**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PNC2120376P1--01-01	Consulting Services for Pine Island Road from Griffin Rd. to Nova Drive.	Supplier Product Code:	First Offer -	1 / project	Y	Y
					Supplier Total	\$0.00

R. J. Behar & Company, Inc.

Item: **Consulting Services for Pine Island Road from Griffin Rd. to Nova Drive.**

Attachments

Consulting Services for Pine Island Road from Griffin Road to Nova Drive PNC2120376P1.pdf

BROWARD COUNTY



Solicitation PNC2120376P1 Consulting Services for Pine Island Road from Griffin Road to Nova Drive

July 15, 2020



R.J. Behar & Company, Inc.
Engineers • Planners

In Association with:

AREHNA Engineering, Inc.

HSQ Group, Inc.

Janus Research, Inc.

Cyriacks Environmental Consulting Services, Inc.

Smith Engineering Consultants, Inc.

InfraMap Corp.

I.F. Rooks & Associates, Inc.

Craven Thompson & Associates, Inc.

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- a) Ability of Key Personnel
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Standard/Special Instructions to Vendors

A. Responsiveness Criteria

1. Lobbyist Registration Requirement Certification
2. Addenda

LOBBYIST REGISTRATION REQUIREMENT CERTIFICATION FORM

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

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

The Vendor hereby certifies that: (select one)

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

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

Name of Lobbyist:

Lobbyist's Firm:

Phone:

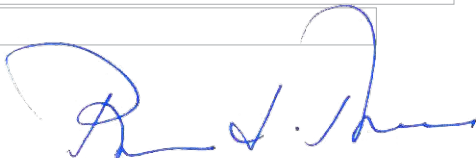
E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:



Authorized Signature/Name:

Date: July 6, 2020

Title:

Vendor Name:

Standard/Special Instructions to Vendors

A2. Responsiveness Criteria

Addenda 1. Added information

Addenda 2. Bid End Date changed to July 15, 2020

Addendum # 1 made on Jul 01, 2020 9:15:41 AM EDT

Description/Bid Comments:(Information was added)

Addendum # 2 made on Jul 02, 2020 3:00:37 PM EDT

Previous Bid End Date:Jul 08, 2020 2:00:00 PM EDT

New Bid End Date:Jul 15, 2020 2:00:00 PM EDT

B. Responsibility Criteria

1. Litigation History
2. Financial Information
3. Authority to Conduct Business in Florida
4. Affiliated Entities of the Principal(s) – Certification Form
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6. Letter of Intent between Bidder/Offeror and CBE Subconsultant/Supplier

LITIGATION HISTORY FORM

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 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	R.J. Behar & Co. Inc./Foster Marine/City of Delray Beach, #502017CA008953XXXXMB-AO, City of Delray Beach, 10/12/2017
Name of Court or other tribunal	Circuit Court of the 15th Judicial Circuit in Palm Beach County, Florida
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	Accusing breach of contract - RJ Behar has filed a motion to dismiss.
Brief description of the Subject Matter and Project Involved	There is a discrepancy regarding materials used by the Contractor on this CEI project.
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: Lynn Gelin, Esq.- City Attorney Email: gelinL@mydelraybeach.com Telephone Number: (561) 243-7090

Vendor Name:

LITIGATION HISTORY FORM

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- 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" value="#10-20071CA (11), Melitina Valiente, etc., July 2010"/>
Name of Court or other tribunal	<input type="text" value="Miami-Dade 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	<input type="text" value="The case involved a sight distance issue with a tree."/>
Brief description of the Subject Matter and Project Involved	<input type="text" value="E. First Avenue, City of Hialeah. A resident planted a tree and an accident occurred. RJ Behar did not design the street with a tree. The tree was on a private residence."/>
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 checked="" 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: <input type="text" value="Raul Manuel Rodriguez"/> Email: <input type="text" value="mr.lawoffices@att.net"/> Telephone Number: <input type="text" value="(305) 448-2008"/>

Vendor Name:

Supreme Court of Florida

MONDAY, APRIL 8, 2019

CASE NO.: SC18-1756

Lower Tribunal No(s):

3D15-1049; 3D14-2635; 3D14-3058; 132010CA020071000001

MELITINA VALIENTE, ETC. vs. R.J. BEHAR & COMPANY, INC., ET AL.

Petitioner(s)

Respondent(s)

This cause having heretofore been submitted to the Court on jurisdictional briefs and portions of the record deemed necessary to reflect jurisdiction under Article V, Section 3(b), Florida Constitution, and the Court having determined that it should decline to accept jurisdiction, it is ordered that the petition for review is denied.

No motion for rehearing will be entertained by the Court. *See* Fla. R. App. P. 9.330(d)(2).

R.J. Behar & Company Inc.'s motion for attorney's fees is granted in the amount of \$2,500.00, conditioned on the trial court's determination, at the conclusion of the case, that under Florida Rule of Civil Procedure 1.442, R.J. Behar & Company Inc. is entitled to attorney's fees pursuant to a proposal for settlement.

Williams Paving Co., Inc.'s motion for attorney's fees is granted in the amount of \$2,500.00, conditioned on the trial court's determination, at the conclusion of the case, that under Florida Rule of Civil Procedure 1.442, Williams Paving Co., Inc. is entitled to attorney's fees pursuant to a proposal for settlement.

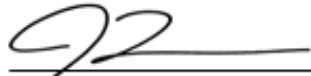
Melrose Nursery, Inc.'s motion for attorney's fees is granted in the amount of \$2,500.00, conditioned on the trial court's determination, at the conclusion of the case, that under Florida Rule of Civil Procedure 1.442, Melrose Nursery, Inc. is entitled to attorney's fees pursuant to a proposal for settlement.

CANADY, C.J., and POLSTON, LABARGA, LAWSON, and MUÑIZ, JJ., concur.

A True Copy

Test:

CASE NO.: SC18-1756
Page Two



John A. Tomasino
Clerk, Supreme Court



dl

Served:

ROY D. WASSON
CARYN L. BELLUS
LUIS N. PEREZ
MARIA LUISA RUBIO
JOSEPH W. DOWNS III
HINDA KLEIN
ELIZABETH ANN IZQUIERDO
RAMON MANUEL RODRIGUEZ
CHRISTINE LEONA WELSTEAD
HON. MARY CAY BLANKS, CLERK
EDGARDO FERREYRA
HON. DIANE VALENTINA WARD, JUDGE
HON. HARVEY RUVIN, CLERK
JOHN BOND ATKINSON
JOHN PATRICK KELLER

LITIGATION HISTORY FORM

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- 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

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

Vendor Name:

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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: <input type="text"/>
	Or No <input type="checkbox"/>
Party	
Case Number, Name, and Date Filed	<input type="text" value="2017-CA-002488 August 2017"/>
Name of Court or other tribunal	<input type="text" value="Circuit Court of the 6th Judicial Court, Pasco 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	<input type="text" value="AREHNA was named along with a contractor for failed sinkhole repair of a residence. The claim was without merit."/>
Brief description of the Subject Matter and Project Involved	<input type="text" value="AREHNA performed a sinkhole investigation, contractor stabilized the residence. After the insurance company paid, plaintiff claimed failed repair. The rapair was not failed and no wrong doing was found."/>
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 checked="" 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" value="Christopher Polermo, PA"/> Email: <input type="text" value="service@palermopa.com"/> Telephone Number: <input type="text" value="(813) 221-5636"/>

Vendor Name:

**IN THE CIRCUIT COURT OF THE SIXTH JUDICIAL CIRCUIT
IN AND FOR PASCO COUNTY, FLORIDA
GENERAL CIVIL DIVISION**

MANUEL MANGA and
MILVIA MANGA,

CASE NO: 2017-CA-002488

Plaintiffs,

v.

AREHNA ENGINEERING, INC. and
SUPERIOR FOUNDATION SOLUTIONS, LLC,

Defendants.

PLAINTIFFS' NOTICE OF VOLUNTARY DISMISSAL WITH PREJUDICE

COME NOW Plaintiffs, MANUEL MANGA and MILVIA MANGA, by and through undersigned counsel, hereby give notice that the claim of the Plaintiffs against the Defendants, AREHNA ENGINEERING, INC. and SUPERIOR FOUNDATION SOLUTIONS, LLC as alleged in this cause should now be dismissed with prejudice.

CERTIFICATE OF SERVICE

WE HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via Electronic Mail, pursuant Florida Rule of Judicial Administration 2.516(b)(1), through the Court's E-Filing Portal System to: Brett D. Divers, Esq. (counsel for Defendant, Arehna Engineering, Inc.) at: bdivers@mpdlegal.com and sjames@mpdlegal.com; and Robert Hubbard, Esq. (counsel for Defendant, Superior Foundation Solutions, LLC) at: robert.hubbard@csklegal.com, nicholas.smith@csklegal.com, and roxanne.cohen@csklegal.com; on this 20th day of September, 2018.

/s/ Christopher M. Palermo
Christopher M. Palermo, Esquire
Florida Bar Number 104000
Jonathan N. O'Neil, Esquire
Florida Bar Number 120498
258 Crystal Grove Boulevard
Lutz, Florida 33548
Phone: (813) 221-5636
Fax: (813) 864-4437
Primary Email: dpelaez@palermopa.com
Secondary Email: smorales@palermopa.com
Service Email: service@palermopa.com
Attorneys for Plaintiffs

LITIGATION HISTORY FORM

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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	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 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: Janus Research, Inc.

LITIGATION HISTORY FORM

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

Vendor Name:

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

Vendor Name:

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

Vendor Name:

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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	Case#502016CA006688XXXMB, The Edge No. One Condominium Association, Inc. vs. The Edge Investors, L.P.; et al., Filed March 2017, Settled September 2017
Name of Court or other tribunal	<input type="text" value="Circuit Court of the 15th Judicial Circuit, 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	Plaintiff claimed that water backed up into garage through the drain and caused property damage to vehicles.
Brief description of the Subject Matter and Project Involved	<input type="text" value="Case settled September 2017, Monetary Amount was \$15,000."/>
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 type="checkbox"/> Judgment Against Vendor <input checked="" type="checkbox"/> If Judgment Against, is Judgment Satisfied? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Opposing Counsel	Name: <input type="text"/> Email: <input type="text" value="ralbert@broadandcassell.com"/> Telephone Number: <input type="text"/>

Vendor Name:

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark
Here

Sent To: Evan Bachove
4440 PGA Boulevard
 Street and Apt. No., or PO Box No.
Suite 308
 City, State, ZIP+4®
Palm Beach Gardens FL 33410-6541

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 1730 0002 0732 2587

MMP

MILBER MAKRIS PLOUSADIS

ATTORNEYS AT LAW
 1900 N.W. CORPORATE BOULEVARD SUITE 440
 TELEPHONE: 561.994.7310 FAX
 HTTP://WWW.MILBERMAKRIS.COM

August 29, 2017

PARTNER ADMITTED IN FLORIDA:
 BRUCE R. CALDERON

VIA US Certified Mail

Fields & Bachove, PLLC
 Attn: Evan Bachove, Esq.
 4440 PGA Boulevard, Suite 308
 Palm Beach Gardens, FL 33410-6541

Re: The Edge Master Association, Inc. v. The Edge Investors, LP, et al
Case No.: 50-2016-CA-006688-XXXX-MB
Our File No.: 0067-12880

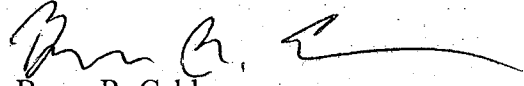
Dear Mr. Bachove:

Enclosed please find settlement check number 22565, made payable to Fields Trust Account on behalf of the Edge Master Association in the amount of Five Thousand, Seven Hundred Thirteen Dollars and Eight Cents (USD \$5,713.08) and check number 1101350194, made payable to Fields Trust Account on behalf of the Edge Master Association in the amount of Nine Thousand, Two Hundred Eighty-Six Dollars and Ninety-Two Cents (USD \$9,286.92). The sum of these checks totals Fifteen Thousand Dollars and Zero Cents (USD \$15,000.00), which reflects the global settlement reached in this matter between The Edge Master Association, Inc., The Edge Investors, LP and our client, Craven Thompson & Associates, Inc., as set forth in the *Settlement Agreement and Mutual Release of Claims* executed by the parties and attached hereto.

Please notify us once you have received the checks referenced herein. At that point, per the terms of the *Settlement Agreement and Mutual Release of Claims*, the Edge Investors, LP's obligation to execute and return to us the attached *Stipulation of Dismissal with Prejudice* will be triggered. Once executed, we will submit that *Stipulation of Dismissal with Prejudice* to the Court, along with the attached proposed *Order of Dismissal with Prejudice*.

Should you have any questions, do not hesitate to contact my office.

Very truly yours,


 Bruce R. Calderon

Encl.
 cc: Mr. Thomas McDonald
 Ms. Natalie Peters Chappel, Esq.

SETTLEMENT AGREEMENT AND MUTUAL RELEASE OF CLAIMS

This Settlement Agreement and Mutual Release of Claims (this "Agreement") is entered into as of the ____ day of June, 2017, by and among The Edge Master Association, Inc. ("Master Association"), The Edge Investors, L.P. ("Developer") and Craven Thompson & Associates, Inc., ("Craven Thompson") (all collectively, the "Parties").

WHEREAS, the Master Association is a condominium association responsible for maintaining and operating certain common areas at the Edge Condominium, a condominium complex located in Palm Beach County, Florida (the "Project");

WHEREAS, the Developer offered units for sale and otherwise acted as the developer of the Project;

WHEREAS, the Developer and Craven Thompson are parties to a certain agreements pursuant to which Craven Thompson was retained by the Developer to perform professional services (the "Craven Contracts"), true and correct copies which are attached as **Exhibit "A"** to this Agreement;

WHEREAS, the Master Association has filed a lawsuit against, among others, the Developer in the Circuit Court of the Fifteenth Judicial Circuit, in and for Palm Beach County, Florida, Case No. 50-2016-CA-006688-XXXX-MB (the "Lawsuit"), for, among other things, alleged damages arising out of, or caused by, Craven Thompson's professional services performed at the Project under the Craven Contracts;

WHEREAS, the Developer has filed a Third-Party Complaint in the Lawsuit against, among others, Craven Thompson for, among other things, damages and indemnification arising out of, or caused by, Craven Thompson's professional services performed at the Project under the Craven Contracts ("Craven Thompson's Scope of Work");

WHEREAS, the Developer and Craven Thompson deny all allegations made in the Lawsuit, including those made by the Master Association and each other;

WHEREAS, in order to avoid the expense, burden and delay of litigation, and without admitting or acknowledging any liability, the Parties now wish to affect a complete resolution and settlement of: (i) the Master Association's claims against the Developer and Craven Thompson related solely to Craven Thompson's Scope of Work, including any and all claims that have not been raised, but which could have been raised related solely to Craven Thompson's professional services and work on the Project; and (ii) the Developer's claims against Craven Thompson related to Craven Thompson's Scope of Work, including claims that have not been raised, but which could have been raised related solely to Craven Thompson's professional services and work on the Project; and freely and voluntarily enter into this Agreement for that purpose;

NOW THEREFORE, in consideration of the covenants contained in this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the Parties agree as follows:

1. **Recitals.** The Parties agree that the foregoing recitals are true and correct and are incorporated into this Agreement by this reference.

2. **Complete Resolution.** It is the intent of this Agreement to resolve, fully and forever, any and all claims of Master Association against Developer and Craven Thompson related solely to Craven Thompson's Scope of Work and any and all claims of the Developer against Craven Thompson related to Craven Thompson's Scope of Work, pursuant to the terms herein.

3. **Settlement Payment.** Within thirty (30) days following complete execution of this Agreement, Craven Thompson shall pay, or cause to be paid, to the Master Association the total sum of Fifteen Thousand and 00/100 Dollars (\$15,000.00) (the "Craven Settlement Proceeds") for the sole benefit and use of the Master Association. The Craven Settlement Proceeds shall be made payable to "Fields Trust Account on behalf of The Edge Master Association, Inc."

4. **Dismissals.** Upon full execution of this Agreement, Craven Thompson shall withdraw all pending motion(s) filed by Craven Thompson in the Lawsuit. Within ten (10) days of payment and clearance of the Craven Settlement Proceeds, the Developer shall dismiss, with prejudice, all claims it has made against Craven Thompson in the Lawsuit. The Developer shall cause its counsel to execute and deliver to the other Parties the *Joint Stipulation of Dismissal with Prejudice*, attached hereto as **Exhibit "B"** and allow same to be filed with the Court, together with the *Order Granting Joint Stipulation of Dismissal with Prejudice* attached here to as **Exhibit "C"**. Within ten (10) days of payment and clearance of the Craven Settlement Proceeds, the Master Association shall amend to remove or otherwise dismiss its claim against the Developer related to the garage drainage at the Project, as currently depicted in Item No. B1 of its Turnover Items Status Spreadsheet, dated March 24, 2017 provided in the course of the Lawsuit, and any other claims or items arising from Craven Thompson's Scope of Work.

5. **Releases.**

a. The Master Association, for itself and its successors, assigns and members, hereby releases, discharges and holds harmless the Developer, Wood Edge Investors, LLC, WP South Development Corporation, Inc. and Craven Thompson and each of their current and former parents, subsidiaries, affiliated and related companies, partnerships and entities, their successors and assigns, and any current or former owners, shareholders, officers, directors, insurers, agents, representatives, professionals, attorneys and employees of Craven Thompson, the Developer, Wood Edge Investors, LLC, WP South Development Corporation, Inc. or their current or former parents, subsidiaries, affiliated and related companies, partnerships and entities, and their guardians, successors, assigns, heirs, executors and administrators, professionals, attorneys and insurers from any and all known or unknown claims, complaints, grievances, liabilities, obligations, promises, agreements, damages, causes of action, rights,

debts, demands, controversies, costs, losses and expenses whatsoever, existing now or in the future, under any municipal, local, state or federal law, common or statutory, related to, concerning, or arising, directly or indirectly, out of any injury, damage, loss or expense incurred solely in connection with Craven Thompson's Scope of Work, including without limitation any and all claims described in, arising out of, or in any way related to the Lawsuit and Third-Party Complaint related solely to Craven Thompson's Scope of Work on the Project. This Release is intended only to release the Developer, Wood Edge Investors, LLC, WP South Development Corporation, Inc. and Craven Thompson for claims that arise out of, or relate to, Craven Thompson's Scope of Work at the Project and the services performed by Craven Thompson at the Project. Nothing stated herein shall be construed or interpreted as the Master Association releasing the Developer for any claims, other than the claims that are related solely to Craven Thompson's Scope of Work.

b. The Developer, for itself and its successors and assigns, hereby releases, discharges and holds harmless Craven Thompson, and each of its current and former parents, subsidiaries, affiliated and related companies, partnerships and entities, their successors and assigns, and any current or former owners, shareholders, officers, directors, insurers, agents, representatives, professionals and employees of Craven Thompson or its current or former parents, subsidiaries, affiliated and related companies, partnerships and entities, and their guardians, successors, assigns, heirs, executors and administrators, from any and all known or unknown claims, complaints, grievances, liabilities, obligations, promises, agreements, damages, causes of action, rights, debts, demands, controversies, costs, losses and expenses whatsoever, existing now or in the future, under any municipal, local, state or federal law, common or statutory, related to, concerning, or arising, directly or indirectly, out of any injury, damage, loss or expense incurred in connection with Craven Thompson's Scope of Work, including without limitation any and all claims described in, arising out of, or in any way related to the Lawsuit and Third-Party Complaint related solely to Craven Thompson's Scope of Work on the Project. This Release is intended only to release Craven Thompson for claims that arise out of, or relate to, Craven Thompson's Scope of Work at the Project and the services performed by Craven Thompson at the Project. Nothing stated herein shall be construed or interpreted as the Developer releasing any claims other than the claims that are related solely to Craven Thompson's Scope of Work.

6. **Representations and Warranties.** The Master Association, the Developer, and Craven Thompson each represent and warrant that: (i) it is not relying upon any statements (oral or written), understandings, representations, expectations or agreements other than those expressly set forth in this Agreement; (ii) it has had the opportunity to be represented and advised by legal counsel in connection with this Agreement; (iii) this Agreement is being made voluntarily and of each party's own choice and not under coercion or duress; (iv) it has no expectation of that any of the other parties will disclose facts material to this Agreement; (v) it knowingly waives any and all rights to rescind or avoid this Agreement based upon presently existing facts, known or unknown; and (vi) it has the full power, authority and capacity to make the commitments contained in this Agreement. The Master Association and the Developer understand that it is giving up any and all claims against Craven Thompson for damages that are currently known as well as any and all claims against Craven Thompson for damages that have not yet been discovered or that do not yet exist, but which may be discovered or arise in the

future. The Parties each agree and stipulate that the other parties are relying on these representations and warranties as a material inducement to enter into the Agreement. The Master Association, the Developer and Craven Thompson each expressly waive any claim of fraud or fraudulent inducement with respect to this Agreement and agree that no party shall be deemed to be the drafter. These representations and warranties shall survive the execution of this Agreement indefinitely and without regard to the statute of limitations.

7. **Disclaimer of Liability.** By entering into this Agreement, the Parties do not admit, and do not specifically deny, any violation of any local, state, or federal law, common or statutory. Neither the execution of this Agreement nor the consideration provided for herein shall constitute or be construed as an admission by any Party of any fault, wrongdoing or liability, whatsoever, and the Parties acknowledge that all such liability is expressly denied.

8. **Binding Effect.** This Agreement shall be binding upon and inure to the benefit of each Party hereto, its successors and assigns, as well as every past, present and future member of Plaintiff, and their respective successors and assigns. The Parties' obligations under this Agreement shall survive the Parties' performance of their obligations under this Agreement.

9. **Confidentiality.** The Parties agree that the facts and the terms of this Agreement, the negotiation of this Agreement, will be kept strictly and completely confidential and shall not be disclosed in any way to any person except as may be required by law or compulsory process. A breach of this provision is a material breach of this Agreement. The Parties agree that this paragraph is a material inducement to the entering into of this Agreement and that any party may seek a temporary restraining order to enforce this paragraph without posting a bond.

10. **Miscellaneous.** This Agreement constitutes the entire agreement of the Parties with respect to the subject matter addressed herein and supersedes all prior and contemporaneous negotiations and agreements, oral or written, all of which are deemed incorporated and merged into this Agreement or abandoned. The Parties acknowledge and agree that this Agreement is fully and adequately supported by consideration and is fair and reasonable. This Agreement cannot be assigned, amended, modified or terminated without the express written consent of all parties. No waiver of any breach or failure to enforce one or more of the terms and conditions hereof shall be construed as an implied amendment or agreement to modify or as a waiver of the right to later enforce such terms. If any provision of this Agreement is held invalid, then to the fullest extent permitted by law, such invalidity shall not affect the validity of any other provision of this Agreement. Each Party shall bear its own attorneys' fees and costs. This Agreement shall be covered by and interpreted under the laws of the State of Florida. This Agreement shall be binding on, and shall inure to the benefit of, the Parties, their heirs, successors and assigns. This Agreement may be executed in one or more counterparts, each of which shall be binding and enforceable as an original, and electronic or facsimile signatures shall be deemed valid as originals.

[SIGNATURES COMMENCE ON FOLLOWING PAGE]

Signed, Sealed and Delivered this 26 day of June, 2017.

The Edge Master Association, Inc.

By: [Signature]

Print Name: Joseph Nasuti

Title: President

STATE OF FL)

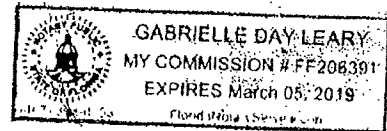
COUNTY OF Palm Beach)

Sworn to (or affirmed) and subscribed before me this 26 day of June, 2017, by Joseph Nasuti, who is personally known to me, or who produced identification; type of identification produced N/A.

[Signature]
Signature of Notary Public

Gabrielle Leary
Print, Type, or Stamp Commissioned Name of Notary Public

My Commission Expires: March 05, 2019



Signed, Sealed and Delivered this 17 day of August, 2017.

The Edge Investors, L.P., a Georgia limited partnership

By: Wood Edge Investors, LLC, a Georgia limited liability company, its general partner

By: WP South Development Corporation, Inc., a Georgia corporation, its manager

By: Melanie C. Waters

Print Name: Melanie C. Waters

Title: Assistant Vice President

STATE OF GEORGIA

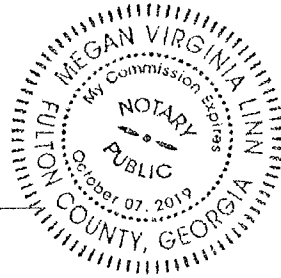
COUNTY OF FULTON

Sworn to (or affirmed) and subscribed before me this 17 day of August, 2017, by Melanie C. Waters, who is personally known to me.

Signature of Notary Public

Megan Lin
Print, Type, or Stamp Commissioned Name of Notary Public

My Commission Expires: 10/7/19



Signed, Sealed and Delivered this _____ day of _____, 2017.

Craven Thompson & Associates,
Inc.

By: *Thomas M. McDonald*

Print Name: THOMAS M. McDONALD

Title: PRESIDENT

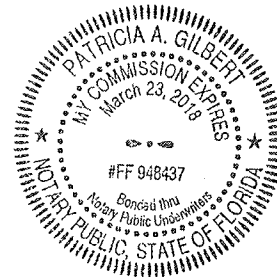
STATE OF FLORIDA)
COUNTY OF BROWARD)

Sworn to (or affirmed) and subscribed before me this 22nd day of August, 2017,
by THOMAS M. McDONALD, who is personally known to me, or who produced identification; type
of identification produced _____.

Patricia A. Gilbert
Signature of Notary Public

PATRICIA A. GILBERT
Print, Type, or Stamp Commissioned Name of Notary Public

My Commission Expires: 3/23/2018



GREEN SECURITY LINK CHAIN AND GREEN DIAMOND DISAPPEAR WHEN COPIED. HEAT SENSITIVE RED LOCK DISAPPEARS WHEN HEATED.

22565

CRAVEN THOMPSON & ASSOC., INC.

3563 NW 53RD STREET
FORT LAUDERDALE, FL 33309
(954) 739-6400

DATE Aug. 22, 2017

63-1599/670

PAY
TO THE
ORDER OF

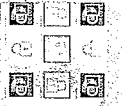
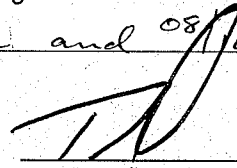
Fields Trust Account on behalf of the Edge Master Association

\$ 5713.08

Five thousand seven hundred thirteen and 08/100 DOLLARS

LEGACY BANK OF FLORIDA
BOCA RATON, FL 33431

FOR



⑈022565⑈ ⑆067015999⑆ 0040005449⑈

Details on back Security Features

THE FACE OF THIS DOCUMENT HAS A BLUE BACKGROUND - NOT A WHITE BACKGROUND. SIMULATED WATERMARK ON BACK. HOLD AT AN ANGLE TO VIEW.



ZURICH AMERICAN INSURANCE COMPANY

56-1544/441

ZURICH

PO BOX 66946
CHICAGO IL 60666 0946

Claim Number	Date Issued	CHECK NO.
941-0420094 001 BH	08/24/17 VOID AFTER 02/20/18	1101350194

Amount : NINE THOUSAND, TWO HUNDRED EIGHTY-SIX AND 92/100 -----DOLLARS

PAY TO THE Law Offices of Gary D. Fields Client Trust Account on
ORDER OF Behalf Of The Edge Master Association, Inc

**9,286.92

JPMORGAN CHASE BANK, N.A.
COLUMBUS OH

** THE BACKGROUND IS COLORED **

⑈ 1101350194⑈ ⑆044115443⑆

528291201⑈

IN THE CIRCUIT COURT OF THE 15TH JUDICIAL CIRCUIT
IN AND FOR PALM BEACH COUNTY, FLORIDA

THE EDGE MASTER ASSOCIATION, INC.,
a Florida Not-for-Profit Corporation,

Plaintiff,

Case No. 502016CA006688XXXXMB
consolidated with for purposes of discovery
Case No. 2013-CA-007785

v.

Division: AJ

THE EDGE INVESTORS, L.P., a Foreign
Limited Partnership, WOOD EDGE
INVESTORS, LLC, a Foreign Limited
Liability Corporation, WP SOUTH
DEVELOPMENT CORPORATION, INC., a
Foreign Corporation,

Defendants.

THE EDGE INVESTORS, L.P.,

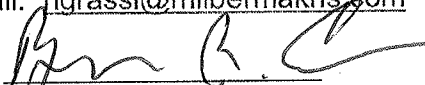
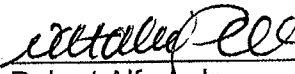

Third-Party Plaintiff,

v.

COASTAL CONSTRUCTION OF SOUTH
FLORIDA, INC., COHEN, FREEDMAN,
ENCINOSA & ASSOCIATES
ARCHITECTS, P.A., CRAVEN THOMPSON
& ASSOCIATES, INC., CHM CONSULTING
ENGINEERS, INC., SAMUEL DELEON,
P.E., STEVEN FELLER, P.E., INC. and
STEVEN FELLER, P.E.,

JOINT STIPULATION OF DISMISSAL WITH PREJUDICE

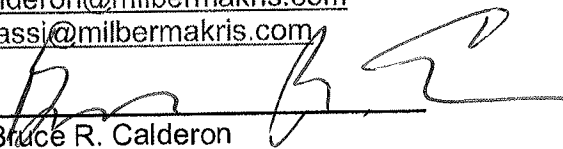
Third Party Plaintiff, THE EDGE INVESTORS, L.P. ("Developer"), and Third Party Defendant, CRAVEN THOMPSON & ASSOCIATES, INC. ("Craven Thompson"), hereby stipulate to the dismissal of all claims in this action between Developer and Craven Thompson with prejudice, with each party to bear its own attorneys' fees and costs.

<p>MILBER MAKRIS PLOUSADIS & SEIDEN, LLP Attorneys for CRAVEN THOMPSON & ASSOCIATES, INC. 1900 NW Corporate Blvd., Suite 440E Boca Raton, Florida 33431 Telephone: (561) 994-7310 Facsimile: (561) 994-7313 Email: bcalderon@milbermakris.com Email: ngrassi@milbermakris.com</p> <p>By:  Bruce R. Calderon Florida Bar No. 50448</p>	<p>BROAD AND CASSEL, LLP Attorneys for Defendants/Third-Party Plaintiff, The Edge Investors, L.P. 390 N. Orange Avenue, Suite 1400 Orlando, FL 32801 Telephone: (407) 839-4200 Facsimile: (407) 425-8377 Email: ralfert@broadandcassel.com Email: nchappel@broadandcassel.com</p> <p>By:  FL BAR NO. 10247 Robert Alfert, Jr.  Florida Bar No. 959324</p>
---	---

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 15th day of Sept, 2017, a true and correct copy of the foregoing was filed with the Clerk of Broward County by using the Florida Court's e-Filing Portal, which will send an automatic e-mail message to the following parties registered with the e-Filing Portal system:

MILBER MAKRIS PLOUSADIS & SEIDEN, LLP
Attorneys for CRAVEN THOMPSON & ASSOCIATES, INC.
1900 NW Corporate Blvd., Suite 440E
Boca Raton, Florida 33431
Telephone: (561) 994-7310
Facsimile: (561) 994-7313
Email: bcalderon@milbermakris.com
Email: ngrassi@milbermakris.com

By: 
Bruce R. Calderon
Florida Bar No. 50448
Nicole Grassi
Florida Bar No. 93753

SERVICE LIST
THE EDGE V. CRAVEN THOMPSON & ASSOCIATES, INC (6688)

Robert Alfert, PA
Natalie P. Chappel, Esq.
BROAD AND CASSEL
Broad & Cassel
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Telephone No. 407.839.4200
Facsimile No. 407.425.8377
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kbartoo@broadandcassel.com
efileorl@broadandcassel.com
ralfert@broadandcassel.com
nchappel@broadandcassel.com
*Counsel for Defendants/Third-Party Plaintiff,
The Edge Investors, L.P.*

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Nicole R. Grassi, Esq.
Milber Makris
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Fax: 561.994.7313
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Fax: 561.833.4209
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mgore@ciklinlubitz.com

cstephens@ciklinlubitz.com

lburgos@ciklinlubitz.com

Counsel for Coastal Construction

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Plantation, FL 33322

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Fax: 954.337.3925

Email: jmk@kendrick-lawfirm.com

dny@kendrick-lawfirm.com

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Patrick J. Toomey, Esq.

DANIELS KASHTAN

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(305) 448-7978 fax

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truiz@dkdr.com

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Counsel for Cohen Freedman Encinosa & Associates Architects

Jordan C. Kay, Esq.

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Coral Gables, FL 33146

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servie-JCK@drbdc-law.com

rdaniels@drbdc-law.com

pgregory@drbdc-law.com

service-RDG@drbdc-law.com

Counsel for CHM and Samuel De Leon

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West Palm Beach, FL 33411

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Email: eservices@derreverelaw.com

prh@derreverelaw.com

jgordon@derreverelaw.com
jdellepiane@derreverelaw.com
Counsel for Steven Feller, PE

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Fax: 954.474.7343
Email: rferencik@flblawyers.com
jnadel@flblawyers.com
tjosephs@flblawyers.com
Counsel for Trans Coastal Construction Co.

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Law Office of Jason L. Weissman
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Hollywood, FL 33021
Tel: 954.364.5104
Fax: 877.369.4874
Email: carmenm.rodriguez-altieri@thehartford.com
Lawofficesweissman@thehartford.com
Counsel for US Brick & Block

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Coral Gables, FL 33134
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Email: miacrtpleadings@wickersmith.com
wfink@wickersmith.com
agaitan@wickersmith.com
lacuna@wickersmith.com
Counsel for General Caulking & Coatings Co.

Christopher Hill, Esq.
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Orlando, FL 32801
Tel: 407.926.7460
Fax: 407.926.7461
Email: filings@hrkmlaw.com
Counsel for Eurocraft Wall Industries, Inc.

Jason K. Gunther, Esq.
McIntosh Schwartz
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Ft. Lauderdale, FL 33316
Tel: 954.660.9888
Fax: 954.660.9875
Email: jkg@mcintoshschwartzx.com
sps@mcintoshschwartz.com
cpagain@mcintoshschwartz.com
Counsel for Nagelbush

IN THE CIRCUIT COURT OF THE 15TH JUDICIAL CIRCUIT
IN AND FOR PALM BEACH COUNTY, FLORIDA

THE EDGE MASTER ASSOCIATION, INC.,
a Florida Not-for-Profit Corporation,

Plaintiff,

Case No. 502016CA006688XXXXMB
consolidated with for purposes of
discovery
Case No. 2013-CA-007785

v.

Division: AJ

THE EDGE INVESTORS, L.P., a Foreign
Limited Partnership, WOOD EDGE
INVESTORS, LLC, a Foreign Limited
Liability Corporation, WP SOUTH
DEVELOPMENT CORPORATION, INC.,
a Foreign Corporation,

Defendants.

_____/

THE EDGE INVESTORS, L.P.,

Third-Party Plaintiff,

v.

COASTAL CONSTRUCTION OF SOUTH
FLORIDA, INC., COHEN, FREEDMAN,
ENCINOSA & ASSOCIATES ARCHITECTS,
P.A., CRAVEN THOMPSON &
ASSOCIATES,
INC., CHM CONSULTING ENGINEERS,
INC.,
SAMUEL DELEON, P.E., STEVEN FELLER,
P.E., INC.

Third-Party Defendants.

ORDER GRANTING JOINT STIPULATION OF DISMISSAL WITH PREJUDICE

THIS CAUSE came before the Court upon Third Party Plaintiff, THE EDGE INVESTORS, L.P. ("Developer"), and Third Party Defendant, CRAVEN THOMPSON & ASSOCIATES, INC.'s ("Craven Thompson") (collectively, Developer and Craven Thompson are the "Parties"), *Joint Stipulation of Dismissal with Prejudice*, and the Court being advised of the agreement of counsel, having reviewed the record and otherwise being duly advised, it is hereby,

ORDERED and ADJUDGED as follows:

1. The Parties' *Joint Stipulation of Dismissal with Prejudice* is GRANTED;

2. All claims in this action between Developer and Craven Thompson are hereby dismissed with prejudice, with each party to bear its own attorneys' fees and costs.

DONE and ORDERED in Chambers, at West Palm Beach, Palm Beach County, Florida.


50-2016-CA-006688-XXXX-MB 09/19/2017
David E. French Circuit Judge

50-2016-CA-006688-XXXX-MB 09/19/2017
David E. French
Circuit Judge

cc: Copies to all parties on attached Service List

SERVICE LIST
THE EDGE V. CRAVEN THOMPSON & ASSOCIATES, INC
(6688)

Robert Alfert, PA
Natalie P. Chappel, Esq.
BROAD AND CASSEL
Broad & Cassel
390 N. Orange Avenue, Suite 1400
Orlando, FL 32801
Telephone No. 407.839.4200
Facsimile No. 407.425.8377
Emails: vmattison@broadandcassel.com
kbartoo@broadandcassel.com
efileorl@broadandcassel.com
ralfert@broadandcassel.com
nchappel@broadandcassel.com
***Counsel for Defendants/Third-Party Plaintiff, The
Edge Investors, L.P.***

Evan R. Bachove, Esq.
FIELDS & BACHOVE, PLLC
4440 PGA Blvd., Ste 308
Palm Beach Gardens, FL 33410
Email: service@fbhoalaw.com
Counsel for Master Association

Bruce R. Calderon, Esq. Nicole R.
Grassi, Esq.
Milber Makris
1900 NW Corporate Blvd., Suite 440E
Boca Raton, FL 33431
Tel: 561.994.7310
Fax: 561.994.7313
Email: bcalderon@milbermakris.com
ngrassi@milbermakris.com
Counsel for Craven Thompson & Assoc., Inc.

Christin M. Hoke, Esq.
Ciklin Lubitz & O'Connell
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West Palm Beach, FL 33401 Tel:
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Fax: 561.833.4209

Email: service@ciklinlubitz.com
cmhoke@ciklinlubitz.com mgore@ciklinlubitz.com
cstephens@ciklinlubitz.com
lburgos@ciklinlubitz.com
Counsel for Coastal Construction

The Kendrick Law Firm
1776 N. Pine Island Road, Suite 118
Plantation, FL 33322
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Fax: 954.337.3925
Email: jmk@kendrick-lawfirm.com
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Counsel for Proietto Painting, Inc.

Patrick J. Toomey, Esq. DANIELS
KASHTAN
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Coral Gables, Florida 33146
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(305) 448-7978 fax
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Counsel for Cohen Freedman Encinosa & Associates Architects

Jordan C. Kay, Esq.
Daniels Rodriguez Berkeley Daniel & Cruz
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jkay@drbdc-law.com vmunoz@drbdc-law.com
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rdaniels@drbdc-law.com
pgregory@drbdc-law.com
service-RDG@drbdc-law.com
Counsel for CHM and Samuel De Leon
Derrevere, Hawkes Black
2005 Vista Parkway, Suite 210 West
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Tel: 684.3222
Fax: 640.3050
Email: eservices@derreverelaw.com
prh@derreverelaw.com
jgordon@derreverelaw.com
jdellepiane@derreverelaw.com **Counsel**

for Steven Feller, PE

Ferencik Libanoff Brandt
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Lauderdale, FL 33324
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Fax: 954.474.7343
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Counsel for Trans Coastal Construction Co.

Carmen M. Roriguez-Altieri, Esq. Law
Office of Jason L. Weissman 4000
Hollywood Blvd, Suite 501-S Hollywood,
FL 33021
Tel: 954.364.5104
Fax: 877.369.4874
Email: carmenmrodriguez-altieri@thehartford.com Lawofficesweissman@thehartford.com
Counsel for US Brick & Block

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Fax: 305.441.1745
Email: miacrpleadings@wickersmith.com
wfink@wickersmith.com agaitan@wickersmith.com
ith.com lacuna@wickersmith.com
Counsel for General Caulking & Coatings Co.

Christopher Hill, Esq.
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Orlando, FL 32801
Tel: 407.926.7460
Fax: 407.926.7461
Email: filings@hrkmlaw.com
Counsel for Eurocraft Wall Industries, Inc.

Jason K. Gunther, Esq.
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Fax: 954.660.9875
Email: jkg@mcintoshschwartz.com
sps@mcintoshschwartz.com
cpagain@mcintoshschwartz.com
Counsel for Nagelbush



MILBER MAKRIS PLOUSADIS SEIDEN, LLP

ATTORNEYS AT LAW

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TELEPHONE: 561.994.7310 FAX: 561.994.7313
HTTP://WWW.MILBERMAKRIS.COM

PARTNER ADMITTED IN FLORIDA:
BRUCE R. CALDERON

September 28, 2017

VIA E-MAIL
PRIVILEGED & CONFIDENTIAL
CLOSING REPORT

Mr. BW Radley - bw.radley@zurichna.com
Claims Specialist
Zurich America Insurance Company
P.O. Box 66965
Chicago, IL 60606

Re: *The Edge Master Association, Inc. v The Edge Investors, L.P., et al.*

Insured : Craven Thompson & Associates
Policy No. : To be provided
Claim No. : 9410420094
Our File No. : 67-12880

Dear BW:

Please accept this correspondence as the Closing Report for the above-referenced matter. As you will recall, this matter recently resolved for the total amount of \$15,000.00 [of which the Insured, Craven Thompson & Associates, Inc. paid \$5,713.08 and Zurich paid \$9,286.92].

As part of the settlement, the plaintiff, THE EDGE MASTER ASSOCIATION, INC. ("Edge Master"), and the third-party plaintiff, THE EDGE INVESTORS L.P. ("Edge Investor"), executed a General Release in favor of Craven Thompson. Additionally, Edge Investor executed a Joint Stipulation for Voluntary Dismissal with Prejudice and the Court, after considering the Joint Stipulation, entered a Final Order of Dismissal with Prejudice. A copy of the executed General Release, the Joint Stipulation and the Final Order of Dismissal are attached hereto for your records.

I would like to take this opportunity to thank you again for this assignment. Please do not hesitate to contact me in the event you have any questions about the handling of this matter.

Very truly yours,



Bruce Calderon

Enclosures

cc: Thomas Mcdonald - (tmcdonald@craventhompson.com)

B. Responsibility Criteria

3. Authority to Conduct Business in Florida

R.J. Behar & Company, Inc. – 2020 Florida Profit Corporation Annual Report: Status is Active
Document No.: P99000088184 – Expiration: 12/31/2020

2020 FLORIDA PROFIT CORPORATION ANNUAL REPORT		FILED	
DOCUMENT# P99000088184		Jan 06, 2020	
Entity Name: R.J. BEHAR & COMPANY, INC.		Secretary of State	
Current Principal Place of Business:		8325094951CC	
6861 SW 196TH AVENUE			
302			
PEMBROKE PINES, FL 33332			
Current Mailing Address:			
6861 SW 196TH AVENUE			
302			
PEMBROKE PINES, FL 33332			
FEI Number: 65-0954070		Certificate of Status Desired: Yes	
Name and Address of Current Registered Agent:			
KRAKOWER, EVAN RESO			
10081 NW 1ST COURT			
PLANTATION, FL 33324 US			
<i>The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.</i>			
SIGNATURE: _____			
Electronic Signature of Registered Agent		Date	
Officer/Director Detail :			
Title	PCEO	Title	S
Name	BEHAR, ROBERT J	Name	BEHAR, DERETH A
Address	12090 SW 26TH COURT	Address	12090 SW 26 CT
City-State-Zip:	DAVIE FL 33330	City-State-Zip:	DAVIE FL 33330
Title	VP		
Name	VAZQUEZ, JUAN H		
Address	13390 SW 26TH STREET		
City-State-Zip:	DAVIE FL 33325		
<small>I hereby certify that the information included on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath, filed with an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 507, Florida Statutes, and that my name appears above, or on an attachment with all other the signatories.</small>			
SIGNATURE: ROBERT J. BEHAR		PRESIDENT	
Electronic Signature of Signing Officer/Director Detail		01/06/2020	
		Date	

State of Florida Department of State


I certify from the records of this office that R.J. BEHAR & COMPANY, INC. is a corporation organized under the laws of the State of Florida, filed on October 4, 1999.

The document number of this corporation is P99000088184.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 6, 2020, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Sixth day of January, 2020



Randy Bee
Secretary of State

Tracking Number: 8325094951CC

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

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

AREHNA Engineering, Inc. -- Status is Active
Document No.: P08000110763 – Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that AREHNA ENGINEERING INC. is a corporation organized under the laws of the State of Florida, filed on December 24, 2008, effective January 1, 2009.

The document number of this corporation is P08000110763.

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

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Ninth day of January, 2020*



Laundreae
Secretary of State

Tracking Number: 9260576778CC

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

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

HSQ Group, Inc. – Status is Active
Document No.: P04000172032 – Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that HSQ GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on December 27, 2004, effective December 27, 2004.

The document number of this corporation is P04000172032.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 6, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Seventeenth day of February,
2020*



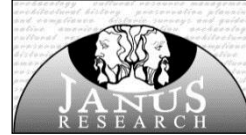
Ronald R. Be...
Secretary of State

Tracking Number: 2165166342CU

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

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

JANUS Research, Inc. - - Status is Active
Document No.: 351512 - Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that JANUS RESEARCH, INC. is a corporation organized under the laws of the State of Florida, filed on August 29, 1969.

The document number of this corporation is 351512.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 2, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Second day of January, 2020*



Randy Be
Secretary of State

Tracking Number: 2545865615CC

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

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

CYRIACKS Environmental Consulting Services, Inc. – Status is Active
Document No.: P0300078714 – Expiration: 12/31/2020



State of Florida

Department of State

I certify from the records of this office that CYRIACKS ENVIRONMENTAL CONSULTING SERVICES INC. is a corporation organized under the laws of the State of Florida, filed on July 16, 2003.

The document number of this corporation is P03000078714.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 22, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-second day of January,
2020*



Randy Be
Secretary of State

Tracking Number: 5038631658CC

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

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

Smith Engineering Consultants, Inc. – Status is Active
Document No.: P99000049883 – Expiration: 12/31/2020



**Smith Engineering
Consultants, Inc.**

State of Florida Department of State

I certify from the records of this office that SMITH ENGINEERING CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on June 3, 1999, effective June 1, 1999.

The document number of this corporation is P99000049883.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 23, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-third day of January,
2020*



Randy Be
Secretary of State

Tracking Number: 1766095307CC

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

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

InfraMap, Corp – Status is Active
Document No.: F94000005189 – Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that INFRAMAP CORP. is a Delaware corporation authorized to transact business in the State of Florida, qualified on October 6, 1994.

The document number of this corporation is F94000005189.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 7, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Seventh day of January, 2020*



Ramona Bee
Secretary of State

Tracking Number: 0826213796CC

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

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

I.F. Rooks & Associates, LLC – Status is Active
Document No.: M18000002054 – Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that I.F. ROOKS & ASSOCIATES, LLC is a Tennessee limited liability company authorized to transact business in the State of Florida, qualified on February 12, 2018.

The document number of this limited liability company is M18000002054.

I further certify that said limited liability company has paid all fees due this office through December 31, 2020, that its most recent annual report was filed on May 7, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twelfth day of May, 2020*



Ronald R. Lee
Secretary of State

Tracking Number: 9528302258CU

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

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

Craven Thompson & Associates, Inc. (CTA) – Status is Active
Document No.: 254407 – Expiration: 12/31/2020



State of Florida Department of State

I certify from the records of this office that CRAVEN, THOMPSON & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 1, 1962.

The document number of this corporation is 254407.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 13, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Thirteenth day of January,
2020*



Ramona Bee
Secretary of State

Tracking Number: 6837198390CC

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

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

B4. Certification Form

AFFILIATED ENTITIES OF THE PRINCIPAL(S) CERTIFICATION FORM

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

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

The Vendor hereby certifies that: (select one)

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

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Principal's Name:

Names of Affiliated Entities:

Authorized Signature Name: 

Title:

Vendor Name:

Date:

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



B. Responsibility Criteria

5. Insurance Requirements

R.J. Behar & Company, Inc. – Certificate of Liability Insurance – Expires: 11/17/2020

Client#: 25186		RJBEHARC				
ACORD™		CERTIFICATE OF LIABILITY INSURANCE				
			DATE (MM/DD/YYYY) 11/14/2019			
<p>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.</p> <p>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 any rights to the certificate holder in lieu of such endorsement(s).</p>						
PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Rd. Suite 370 Alpharetta, GA 30022		CONTACT NAME: Nicole Larsen PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): 866-550-4082 E-MAIL ADDRESS: Nicole.Larsen@greyling.com				
		INSURER(S) AFFORDING COVERAGE				
		INSURER A : Sentinel Insurance Co Ltd	NAIC # 11000			
		INSURER B : Hartford Casualty Ins. Co.	29424			
		INSURER C : Beazley Insurance Company, Inc.	37540			
		INSURER D :				
		INSURER E :				
		INSURER F :				
INSURED R.J. Behar & Company, Inc. 6861 S.W. 196th Avenue Suite 302 Pembroke Pines, FL 33332						
COVERAGES		CERTIFICATE NUMBER: 19-20	REVISION NUMBER:			
<p>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.</p>						
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WWD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		20SBWBA1624	11/17/2019	11/17/2020	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/>		20UEGNG0289	11/17/2019	11/17/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10000		20SBWBA1624	11/17/2019	11/17/2020	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	20WBGAD8LUV	11/17/2019	11/17/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	Professional Liab & Pollution Liability		V20C99190301	11/17/2019	11/17/2020	Per Claim \$2,000,000 Aggregate \$3,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Umbrella Follows Form with respects to General, Automobile & Employers Liability Policies.						
CERTIFICATE HOLDER				CANCELLATION		
For Proposal Purposes				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 		
© 1988-2015 ACORD CORPORATION. All rights reserved.						
ACORD 25 (2016/03) 1 of 1		The ACORD name and logo are registered marks of ACORD			NLAR1	
#S1867858/M1867176						





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.: PNC2120376P1

Project Title: Consulting Services for Pine Island Road from Griffin Road to Nova Drive

Bidder/Offeror Name: R.J. Behar Company, Inc.

Address: 6861 SW 196th Avenue, Suite 302 City: Pembroke Pines State: FL Zip: 33332

Authorized Representative: Robert J. Behar, PE Phone: (954) 680-7771

CBE Firm/Supplier Name: AREHNA Engineering, Inc.

Address: 12296 Wiles Road City: Coral Springs State: FL Zip: 33076

Authorized Representative: Jessica McRory, PE Phone: (813) 944-3464


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

Work to be performed by CBE Firm

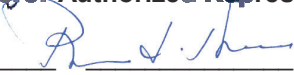
Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
Geotechnical Engineering	541330	TBD	11 %
9.1 Soil Exploration	541330		%
			%

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

CBE Firm/Supplier Authorized Representative

Signature:  Title: President Date: June 16, 2020

Bidder/Offeror Authorized Representative

Signature:  Title: President/CEO Date: June 22, 2020

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

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



Office of Economic and
Small Business Development

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

This Certificate is Awarded to:

AREHNA ENGINEERING, INC.

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

County Business Enterprise

Anniversary Date: April 7th

A handwritten signature in black ink, appearing to read "Chris Adams", written over a horizontal line.

Authorized Representative

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

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



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.: PNC2120376P1

Project Title: Consulting Services for Pine Island Road from Griffin Road to Nova Drive

Bidder/Offeror Name: R.J. Behar & Company, Inc.

Address: 6861 SW 196th Avenue, Suite 302 **City:** Pembroke Pines **State:** FL **Zip:** 33332

Authorized Representative: Robert J. Behar, PE **Phone:** (954) 680-7771

CBE Firm/Supplier Name: HSQ Group, Inc.

Address: 4577 Nob Hill Road, Suite 210 **City:** Sunrise **State:** FL **Zip:** 33351

Authorized Representative: Nour Shehadeh, PE **Phone:** (954) 440-6990

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

Work to be performed by CBE Firm

Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
8.1 Control Surveying / Mapping	541370	TBD	7 %
3.2 Major Highway Design	541330	TBD	3 %
Utility Coordination		TBD	1 %

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

CBE Firm/Supplier Authorized Representative

Signature: Title: Vice President Date: 06/19/2020

Bidder/Offeror Authorized Representative

Signature: Title: President/CEO Date: 6/22/2020

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

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

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



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

Office of Economic and Small Business Development

This Certificate is Awarded to:

HSQ GROUP, INC.

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

**County Business Enterprise (CBE)
Anniversary Date: January 27th**

A handwritten signature in blue ink, appearing to read "S. Smith", written over a horizontal line.

Authorized Representative

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

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



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.: PNC2120376P1

Project Title: Consulting Services for Pine Island Road from Griffin Road to Nova Drive

Bidder/Offeror Name: R.J. Behar & Company, Inc.

Address: 6861 SW 196th Avenue, Suite 302 **City:** Pembroke Pines **State:** FL **Zip:** 33332

Authorized Representative: Robert J. Behar, PE **Phone:** (954) 680-7771

CBE Firm/Supplier Name: Cyriacks Environmental Consulting Services, Inc.

Address: 3001 SW 15th Street Suite B **City:** Deerfield Beach **State:** FL **Zip:** 33442

Authorized Representative: Wendy Cyriacks **Phone:** (954) 571-0290

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

Work to be performed by CBE Firm

Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
Environmental		TBD	4 %
Noise Study		TBD	1 %
			%

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

CBE Firm/Supplier Authorized Representative

Signature:  Title: President Date: 06/18/2020

Bidder/Offeror Authorized Representative

Signature:  Title: President/CEO Date: 6/22/2020

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

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

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



**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

February 7, 2020

Ms. Wendy Cyriacks
CYRIACKS ENVIRONMENTAL CONSULTING SERVICES, INC
3001 SW 15th Street, Suite B
Deerfield Beach, Florida 33442

Dear Ms. Cyriacks:

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

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

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

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

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

NAICS CODE: 541620

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

Sincerely,

A handwritten signature in black ink, appearing to read "Sandy-Michael McDonald", with a long, sweeping flourish extending to the right.

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

Cert Agency: BC-CBE
ANNIVERSARY DATE: February 5th



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.: PNC2120376P1

Project Title: Consulting Services for Pine Island Road from Griffin Road to Nova Drive

Bidder/Offeror Name: R.J. Behar & Company, Inc.

Address: 6861 SW 196th Avenue, Suite 302 City: Pembroke Pines State: FL Zip: 33332

Authorized Representative: Robert J. Behar, PE Phone: (954) 680-7771

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

Address: 412 S.E. 18th Street City: Fort Lauderdale State: FL Zip: 33316

Authorized Representative: Larry M. Smith, PE Phone: (954) 590-0488

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

Work to be performed by CBE Firm

Description	NAICS ¹	CBE Contract Amount ²	CBE Percentage of Total Project Value
7.2 Lighting	541330	TBD	2 %
7.3 Signals	541330	TBD	2 %
			%

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

CBE Firm/Supplier Authorized Representative

Signature: Title: President Date: 6-29-20

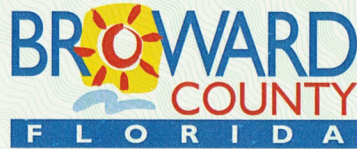
Bidder/Offeror Authorized Representative

Signature: Title: President/CEO Date: 6/29/2020

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

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

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



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Office of Economic and Small Business Development

This Certificate is Awarded to:

SMITH ENGINEERING CONSULTANTS, INC.

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

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

A handwritten signature in black ink, appearing to read "Chris Johnson", written over a horizontal line.

Authorized Representative

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

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

C. Additional Information and Certifications

1. Vendor Questionnaire & Standard Certifications
 - *Scrutinized Companies List Requirement Certification Form*
2. Subcontractors/Subconsultants/Suppliers Requirement

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:
2. Doing Business As/ Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN):
4. Dun and Bradstreet No.:
5. Website address (if applicable):
6. Principal place of business address:
7. Office location responsible for this project:
8. Telephone no.: Fax no.:
9. Type of business (check appropriate box):
 - Corporation (specify the state of incorporation):
 - Sole Proprietor
 - Limited Liability Company (LLC)
 - Limited Partnership
 - General Partnership (State and County Filed In)
 - Other - Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name):
11. List name and title of each principal, owner, officer, and major shareholder:
 - a)
 - b)
 - c)
 - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name:

Title:
E-mail:
Telephone No.:

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

13. Has your firm, its principals, officers or predecessor organization(s) been debarred or suspended by any government entity within the last three years? If yes, specify details in an attached written response. Yes No
14. Has your firm, its principals, officers or predecessor organization(s) ever been debarred or suspended by any government entity? If yes, specify details in an attached written response, including the reinstatement date, if granted. Yes No
15. Has your firm ever failed to complete any services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. Yes No
16. Is your firm or any of its principals or officers currently principals or officers of another organization? If yes, specify details in an attached written response. Yes No
17. Have any voluntary or involuntary bankruptcy petitions been filed by or against your firm, its parent or subsidiaries or predecessor organizations during the last three years? If yes, specify details in an attached written response. Yes No
18. Has your firm's surety ever intervened to assist in the completion of a contract or have Performance and/or Payment Bond claims been made to your firm or its predecessor's sureties during the last three years? If yes, specify details in an attached written response, including contact information for owner and surety. Yes No
19. Has your firm ever failed to complete any work awarded to you, services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. Yes No
20. Has your firm ever been terminated from a contract within the last three years? If yes, specify details in an attached written response. Yes No
21. Living Wage solicitations only: In determining what, if any, fiscal impacts(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 this contract.
Living Wage had an effect on the pricing. Yes No
 N/A
- If yes, Living Wage increased the pricing by % or decreased the pricing by %.

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. 287.07 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, principal 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:

	<u>Robert J. Behar</u>	<u>President/CEO</u>	<u>July 6, 2020</u>
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE	

Vendor Name: R.J. Behar & Company, Inc.

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

SCRUTINIZED COMPANIES LIST REQUIREMENT CERTIFICATION FORM

The completed and signed 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.

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, by virtue of the signature below, certifies that:

- a. The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4725 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
- b. 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
- c. 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.



Robert J. Behar, PE
**Authorized
Signature/Name**

President/CEO
Title

R.J. Behar & Company, Inc.
Vendor Name


July 6, 2020
Date

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

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

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

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

 bold line seperating sections

1. Subcontracted Firm’s Name:

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 seperating 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

line 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.

 Robert J. Behar

Authorized Signature/Name

Title

Vendor Name

Date

D. Standard Agreement Language Requirements

1. Agreement Exception Form

AGREEMENT EXCEPTION FORM

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

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

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

Term or Condition Article / Section	Insert version of exception or specific proposed alternative language	Provide brief justification for change
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Vendor Name:

E. Tiebreaker Criteria

1. Local Preference and Tie Breaker Certification Form
 - *(Broward County Business Tax Receipt)*
2. Domestic Partnership Act Certification (Requirement and Tiebreaker)
3. Tiebreaker Criteria Form: Volume of Work Over Five Years

RFP-RLI-RFQ LOCAL PREFERENCE AND TIE BREAKER CERTIFICATION FORM

The completed and signed form should be returned with the Vendor's submittal to determine Local Preference eligibility, however it must be returned at time of solicitation submittal to qualify for the Tie Break criteria. If not provided with submittal, the Vendor must submit within three business days of County's request for evaluation of Local Preference. Proof of a local business tax should be submitted with this form. Failure to timely submit this form or local business tax receipt may render the business ineligible for application of the Local Preference or Tie Break Criteria.

In accordance with Section 21.31.d. of the Broward County Procurement Code, to qualify for the Tie Break Criteria, the undersigned Vendor hereby certifies that (check box if applicable):

- The Vendor is a local Vendor in Broward County and:
 - a. has a valid Broward County local business tax receipt;
 - b. has been in existence for at least six-months prior to the solicitation opening;
 - c. at a business address physically located within Broward County;
 - d. in an area zoned for such business;
 - e. provides services from this location on a day-to-day basis, and
 - f. services provided from this location are a substantial component of the services offered in the Vendor's proposal.


In accordance with Local Preference, Section 1-74, et. seq., Broward County Code of Ordinances, a local business meeting the below requirements is eligible for Local Preference. To qualify for the Local Preference, the undersigned Vendor hereby certifies that (check box if applicable):

- The Vendor is a local Vendor in Broward and:
 - a. has a valid Broward County local business tax receipt issued at least one year prior to solicitation opening;
 - b. has been in existence for at least one-year prior to the solicitation opening;
 - c. provides services on a day-to-day basis, at a business address physically located within the Broward County limits in an area zoned for such business; and
 - d. the services provided from this location are a substantial component of the services offered in the Vendor's proposal.

**6861 SW 196th Avenue, Suite 302
Pembroke Pines, Florida 33332**

Local Business Address:

~~Vendor does not qualify~~ for Tie Break Criteria or Local Preference, in accordance with the above requirements. The undersigned Vendor hereby certifies that (check box if applicable) : The Vendor is not a local Vendor in Broward County.

	Robert J. Behar	President/CEO	R.J. Behar & Company, Inc.	July 6, 2020
AUTHORIZED SIGNATURE/NAME	TITLE	COMPANY	DATE	

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.)

	Robert J. Behar	President/CEO	R.J. Behar & Company, Inc.	July 6, 2020
Authorized Signature/Name	Title	Vendor Name	Date	

DOMESTIC PARTNERSHIP ACT CERTIFICATION FORM (REQUIREMENT AND TIEBREAKER)

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	Robert J. Behar	President/CEO	R.J. Behar & Company, Inc.	July 6, 2020
Authorized Signature/Name	Title	Vendor Name	Date	

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

Grand Total

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

Vendor Name:

Authorized Signature/Name

Title

Date

Evaluation Criteria

Tab 1a) Ability of Key Personnel

Resumes

Tab 1b) Organizational Chart

Professional Licenses & Certifications

FDOT Form & Prequalification Letters

EVALUATION CRITERIA

Tab 1a. ABILITY OF KEY PERSONNEL

R.J. BEHAR & COMPANY, INC. (RJ Behar) has assembled an experienced team of individuals with redundancies and depth in key staffing positions. **RJ Behar** is one of the premier Transportation Planning and Traffic Engineering firms in the County. We are very familiar with all applicable policies, guidelines, regulations, and standards within these disciplines. In approaching all transportation planning projects, **RJ Behar** integrates the land use issues and transportation relationships in order to provide the proper balance between the travel modes and the operation of the facility, taking into consideration the social, environmental and engineering constraints, and available funding to provide innovative and practical solutions to our clients. We also recognize the importance of involving elected officials and the public throughout the planning process to obtain meaningful solutions, which contribute to successful projects. The Complete Streets concept underscore the necessity for roadway improvements to reduce automobile accidents, safety enhancements for bicycles and pedestrians, and encourage walking and cycling to promote good health.

Mr. Robert J. Behar, PE – Principal in Charge/Project Manager: Mr. Behar provides vast experience in the planning, design, and management of transportation projects nationwide. He is RJ Behar's President and oversees the firm's full operation. Mr. Behar has over 44 years of experience. His project experience includes designing over 300 roadway projects incorporating "Complete Streets" attributes. Mr. Behar was an original member and helped develop the American Society of Civil Engineers (ASCE) publication "Context Sensitive Highway Design Principles" and he is currently a member of the Subcommittee for the development of the Complete Streets Chapter in the Florida Greenbook. He is also a voting member of the Florida Greenbook Committee. His projects include preparing project budgets, schedules, developing specifications for labor and/or materials, plan alterations and/or modifications of existing transportation structures to improve safety or function, investigation of traffic problems and recommendations to improve traffic flow or safety and develops plans for surface transportation projects according to established engineering standards and state and federal construction policy. He also checks construction plans, design calculations, or cost estimations to ensure completeness, accuracy, or conformity to engineering standards or practices. Mr. Behar has been the Principal in Charge for the SR 814/Atlantic Boulevard at Rock Island Road Intersection Improvement Design and Construction Engineering Inspection (CEI) Project and the SR-810/Hillsboro Boulevard at SR-809/Military Trail Intersection Improvement Design and CEI for Broward County Highway Construction and Engineering Department; Pine Island Road Construction Engineering Inspection Project, Davie Road CEI Phase II Project and the Nova Drive Roadway Improvements CEI Project for the Town of Davie.

Mr. Juan H. Vazquez, PE, PH, BCEE – Quality Control Officer/Drainage Engineer: Mr. Vazquez has more than 35 years of civil engineering experience including the preparation of stormwater master plans; drainage studies; street improvements; highway designs, interchanges, intersections both urban and rural; pavement designs; transportation studies; permitting through multiple agencies; hydrologic-hydraulic and scour studies, utility relocations, and miscellaneous structures such as culverts and pump stations. Mr. Vazquez is a Professional Hydrologist and a Board-Certified Environmental Engineer in the specialty of water supply and wastewater. He is a member of the Florida Greenbook Drainage Subcommittee. Mr. Vazquez is author and co-author of several technical reports on water resources studies, hydrologic-hydraulic modeling, and bridge hydraulic/scours analyses for presentation and publications and has prepared seminars on stormwater/drainage design. He was coauthor of the FDOT Exfiltration Design Drainage Handbook. He has been the Engineer of Record for several Town of Davie projects.

Ms. Paola Riveros, PE – Major Highway Design: Ms. Riveros brings over 19 years of highway design experience and has managed several Florida Department of Transportation (FDOT), District 4 roadway design projects, not only in the capacity of Project Manager but also as Lead Highway Designer. Her experience includes roadway design as well as drainage design of stormwater management projects. Her experience includes geometric design of major interstate interchanges, freeway design, and major arterials. In her designs, she incorporates field reviews, reviews of the approved preliminary engineering report, typical section packages, traffic technical memorandum and proposed

geometric design alignment to identify proposed improvements, sign placements and roadway pavement markings and performs queue analysis for all turning lanes. Ms. Riveros performs traffic data analyses that includes the signal operation plan, intersection geometry, local signal timings, pre-emption phasing and timings, forecasting traffic and intersection analysis runs for all signalization projects. She performs proper coordination for the timing plans including splits, force offs, offsets, and preparation of Time Space Diagram. Ms. Riveros is well-versed in the use of AdICPR, ASAD and HEC-RAS for stormwater and hydraulic design and Geopak software for roadway design and with electronic delivery of FDOT plans. Her responsibilities have included the preparation of drawings in MicroStation Open Roads, AutoCAD, and Civil 3D.

Mr. Rafael De Arazoza, PE, PTOE, CPM – Traffic Engineering Studies: Mr. De Arazoza has 46 years of transportation planning and traffic engineering experience. He is a Professional Traffic Operations Engineer and has worked in both private and governmental agencies, including Broward County and FDOT. He is well-versed in traffic engineering design standards and procedures. He has managed the MPO planning process, including development of several Long-Range Transportation Plans (LRTP), Growth Management, Highway Functional Classification and Districtwide transportation data collection. He has performed numerous traffic studies including crash analysis, highway lighting, fatal crash reviews, intersection safety and traffic operation, roadway lighting and field inventory, speed data collection, spot speed and safe curve speed, vehicle gap analysis, traffic data collection, road safety audits, intersection quality assessments and intersection improvements.

Mr. Jasmani Riveron, PE – Major Highway Design: Mr. Riveron brings 11 years of highway design experience and has managed multiple Palm Beach County roadway/bridge design projects. He has been the Project Engineer/Manager for the preparation of several, very successful highway construction plans, which included the design of horizontal and vertical geometry with Geopak software. He has experience in civil engineering, permitting, budgeting and construction management. Mr. Riveron has been Project Engineer responsible for roadway, signing and marking, utility coordination, drainage plans and permitting for roadway projects. He has recently completed several assignments for the Florida Turnpike Enterprise.

Mr. Hans Murzi, PE, CFM – Drainage Engineer: Mr. Murzi has 18 years of civil engineering experience. He is a water resources engineer with expertise in hydrologic and hydraulic analysis and modeling of rivers and flood control systems, natural resources restoration projects and watershed management. Mr. Murzi is a Certified Floodplain Manager and has been project manager on several municipal projects in Broward County. He is experienced in the use of several computer programs such as XPSWMM, HEC-RAS, AdICPR, MIKE SHE/MIKE 11, ASAD, ArcGIS. Mr. Murzi is also a member of the ACEC-FL Water Resources Committee. He serves as one of two District Drainage Engineers for the **Central Broward Water Control District**. He recently was the Deputy Project Manager for the Town of Davie Oakhill Culvert Replacement and the Drainage study for Area West of Hiatus Road. The project includes replacing the sewer system and waterline relocations. He has prepared numerous permit packages for environmental resource permits and the United States Army Corps of Engineers Section 404 and 408 permits.

Mr. Jerry Piccolo, PE – Miscellaneous Structures: He has over 44 years of engineering experience. Mr. Piccolo is a senior highway and bridge engineer. He has been the Project Manager and Engineer of Record for numerous very successful highway and bridge projects. Mr. Piccolo has designed numerous bridges including new, widenings, as well as rehabilitations. He is adept at the design and structural calculations involving mast arm design and installation. He has a thorough understanding of advanced structural engineering and the associated computer skills. He also has a very practical background in bridge construction and construction contract administration procedures. This background enables him to produce a set of plans, which are very constructible, economical, and seldomly require supplemental agreements during construction. Mr. Piccolo has prepared numerous Bridge Hydraulic Reports and has extensive Coast Guard permitting experience.

Mr. Jose Peña-Ramos, MS, PE – Miscellaneous Structures: Mr. Peña Ramos has 25 years of engineering experience. He leads the structural engineering department and performs structural engineering calculations and

reviews structural plans. His experience includes having worked for the United States Department of Urban Development, United States Coast Guard, United States Army Corps of Engineers, Federal Highway Administration and as a consultant all within Florida and Puerto Rico. He has performed project engineering, structural design and support required for the preparation of plans and specifications for civil works projects including bridges, culverts, pump stations, spillways, retaining walls, and ancillary buildings.

Subconsultants:

RJ Behar is very cognizant of Broward County's CBE Goal of 30% required for this contract, as such, it is our intent to utilize our CBE subconsultants to the maximum extent possible. We have four CBE firms who will be performing 30% of the work, if selected.

AREHNA ENGINEERING, INC. (AREHNA) will be performing the geotechnical engineering duties that will be needed for this project. AREHNA is a registered CBE firm with Broward County. They will be providing soil exploration, Category 9.1. They provide innovative and comprehensive geotechnical and structural engineering, as well as full-service materials testing and inspection services throughout the State of Florida. Their engineer's project experience spans thousands of geotechnical, structural, and construction materials testing projects, including elements related to roadways, bridges, railways, airports, drainage features, utilities, and other City, County, and State projects.

Angela L. Alba, PE – Geotechnical: Ms. Alba has 21 years of experience in the geotechnical engineering industry, She served as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which was the single largest project ever awarded by FDOT. Ms. Alba has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Her experience also includes finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

HSQ GROUP, INC. (HSQ) will be performing all the project control surveying and design, right of way construction surveying Category 8.1, 8.2, or 8.4 and will also offer support major highway design and utility coordination Category 3.2. HSQ Group approaches surveying and mapping by investing in modern technology and in trained staff to better serve their clients. They have been involved in numerous roadway projects for several governmental agencies. They pride themselves in creating roadway designs that are safe, constructible and provide long term benefits to their clients and commuters. The following are just some of the capabilities and services that they provide: roadway & Intersection designs; traffic signal designs; roadway flood routing analysis, signing and pavement markings, and utility coordination. HSQ takes proactive measures when performing survey assignments with the upmost regard to quality, accuracy, efficiency, and safety. They perform the following types of surveys: ALTA & Boundary, Topographic, Platting, Easement & R/W Variations, Plat Note Amendments, Elevation Surveys, land development, legal descriptions, right-of-way, and construction layouts. HSQ Group is committed to providing the highest level of quality and professionalism on every project. HSQ is a registered CBE firm with Broward County.

Thomas A. English, PSM, PLS – Survey: Mr. English has more than 39 years of surveying experience. He has expertise and experience in right-of-way survey, utility location and GIS mapping. He also holds an FAA Remote Pilot Certification to fly unmanned aerial vehicles (UAVs). He is also well versed in commercial/civil land planning and design, residential subdivision and transportation route analysis, geodetic control, construction stakeout and as-built survey, including survey computations, record research, property line resolution, and right-of-way investigation, GNSS (GPS), railroad survey, and laser scanning.

Alberto T. Zuniga, PE – Major Highway Design: Mr. Zuniga has more than 36 years of experience in engineering, including 25 years as Civil Engineer responsible for design, project administration, construction review and contract administration in the areas of roadway, land development, facilities, schools and construction services. He has design experience in County and City projects as well as Construction Management developing proposals, tracking budgets

and scheduling. His expertise includes preparing plans, specifications, and cost estimates, resurfacing rural and urban widening, reconstruction, and interstate widening.

JANUS RESEARCH, INC. (JANUS) – Archeological Assessment Study: JANUS is the cultural resources management firm that consistently provides Broward County with high-quality services. They have a solid understanding of the challenges posed by federal laws, regulations, and guidelines, and know how to negotiate the complex process of State Historic Preservation Office (SHPO) and regulatory approval. JANUS excels at developing creative mitigation strategies with little or no impact to construction schedules. They have long-standing relationships with the Staff of the Florida Division of Historical Resources' Compliance and Review Section, Federal Highway Administration, the State Archaeologist, the SHPO, the Miccosukee Section 106 Representative, and the Seminole Tribal Historic Preservation Officer. During their 41 years in business, JANUS has grown into the most trusted Florida-based, full service Cultural Resource Management consulting firm known for their leadership and professional innovation.

Kenneth Hardin – Professional Archaeologists: Mr. Hardin is the President and CEO who serves as the Project Manager of all District Four and Broward County projects. In his 40 years' of experience, Mr. Hardin has played a key role in the development of statewide policies, procedures, and preservation law, having assisted the FDOT with their Cultural Resource Management Handbook, updates of the PD&E Manual, Section 106 and 4(f) training, and the implementation of ETDM, sociocultural effects analysis, and Native American coordination. He is a leading authority in Section 106, NEPA cultural resource compliance and Section 4(f) for transportation projects. He has an in-depth understanding of the challenges posed by federal laws, regulations, and guidelines and knows how to successfully negotiate the complex process of SHPO and regulatory approval. He excels at developing creative mitigation strategies with little or no impact to construction schedules and has long-standing relationships with the Florida State Historic Preservation Officer, the US Army Corps of Engineers, the Florida Department of Environmental Protection, the Coast Guard, Federal Highway Administration, Federal Transit Administration, Federal Rail Administration, the Advisory Council for Historic Preservation, and the National Park Service as well as preservation officers of local government in east and south Florida.

CYRIACKS ENVIRONMENTAL CONSULTING SERVICES, INC. (CECOS) – Environmental Permits and Noise Study: CECOS was formed in 2003 to provide public and private sector clients with high quality, professional environmental and ecological consulting services. CECOS has the expertise and staffing to provide high quality environmental services. Their approach is to: Provide innovative solutions to avoid and minimize impacts to our natural resources; integrate projects into the environment and achieve the client's goals in a cost-effective manner. CECOS provides a wide range of environmental and ecological consulting services including environmental permitting, environmental monitoring and permit compliance, the investigation and analysis of impacts to terrestrial, wetland and coastal marine resources in tropical and subtropical environments, threatened and endangered species surveys, NEPA documentation, sea-level rise analysis, and resiliency studies. CECOS is a **100% Woman Owned Company** and is certified with Broward County as a CBE.

Wendy Cyriacks – Chief Scientist: Ms. Cyriacks has over 30 years of environmental experience in Florida and is the President of CECOS. Her experience involves environmental analysis and impact studies, NEPA documentation and environmental permitting. has managed numerous NEPA studies, permitting projects, Section 4(f) documentation and natural resource studies including wetlands, marine resources/benthic surveys, and threatened/endangered species, as well as permit compliance and monitoring for construction projects. She served as the Environmental Administrator for the Florida Department of Transportation - Districts 4 and 6.

Timothy W.A. Ogle, MS – Senior Environmental Engineer. Mr. Ogle has 26 years of professional experience in Florida related to transportation air quality and noise impact reviews and analyses; as required by NEPA, FHWA/FDOT regulations. His expertise includes field assessment, computerized air quality and traffic noise analyses, noise abatement design, project design change analyses and public involvement for air quality and traffic noise assessments.

Mr. Ogle has been involved in transportation noise issues and conducted noise impact and barrier analyses for PD&E, Final Design and Design-Build projects on most of the primary expressways and significant surface streets in south Florida. Mr. Ogle has played a prominent role in conducting and reporting on air quality and traffic noise assessments for more than 50 PD&E projects statewide and nearly as many final design projects for the FDOT and other agencies in the State of Florida. Mr. Ogle is currently working on noise analyses for several interchanges along I-95 and along Pembroke Road in Broward County.

SMITH ENGINEERING CONSULTANTS, INC. (SEC) – Signalization & Lighting: SEC is an CBE firm with Broward County. They will be handling Category 7.2 Lighting and 7.3 Signalization. They are an electrical engineering firm with a niche for providing professional services on civil engineering projects. Their experienced staff have in-depth knowledge of energy, water, telecommunications, transportation, and architectural projects. SEC's cost-effective and energy efficient designs provide facility owners with security in the knowledge that their operating expenses are among the lowest in the area. Whether your project calls for new construction or the renovation of aging facilities, their staff can provide planning and design services, cost estimates, and construction phase services. SEC has built a deserved reputation for completing assignments in a cost-effective and timely manner. You can count on SEC to provide the detailed plans and specifications necessary for smooth construction, start-up, and operation.

Mr. Larry Smith, PE – Signalization/Lighting: Mr. Smith has over 30 years of experience as an electrical engineer in the areas of electric utilities, signalization, ITS, water and wastewater utilities, solid waste, water control structures and pump stations, airport electrical systems, architectural projects, telecommunications, and roadway, sports field, and specialty lighting. He demonstrates his skills in engineering and design, project management, client relations, and staff administration. Mr. Smith is a member of the Florida Engineering Society (FES) and was the State Chapter Past President and Palm Beach Chapter Past President.

INFRAMAP CORP (InfraMap) – Subsurface Utility Engineering: InfraMap has performed some of the largest utility mapping and test hole projects ever undertaken by any firm. They are a leading provider of utility infrastructure mapping and subsurface utility engineering (SUE) services. InfraMap collects utility infrastructure data in the field using sophisticated geophysical techniques and instrumentation (including GPR), with automated data collection gear and state of the art survey equipment. They collect and present this data to aid their clients in reducing the design and construction cost of major infrastructure projects.

Mr. Andres Garcia – Utility Location Manager: Mr. Garcia has over 22 years of experience. He is a Senior Utility Location Manager and is proficient with utility designating, performing test holes and utility CAD. Mr. Garcia has excelled as a survey party chief with experience in total station survey and data collector knowledge (electronic field book, TDS functions, and three wire bench runs and GPS/RTK on several designating and utility locating projects). His assistance in the survey EFB data collection compliance further adds to InfraMap's knowledge and experience. His role as Senior Utility Location Manager is obtaining utility records and ROW permits, QA/QC, supervisory of field crews, meeting with utility company personnel and Maintenance of Traffic (MOT) set up.

I. F. ROOKS & ASSOCIATES, LLC. (IFR) – Photogrammetry: Celebrating 50 plus years, IFR is a full-service geospatial firm, serving clients throughout the Southeastern United States. IFR provides a full suite of geospatial services including low altitude photogrammetry and aerial LiDAR as well as Terrestrial Mobile LiDAR (TML). IFR is a FDOT mapping firm and offers an unmatched combination of experience, technical capability, and in-depth knowledge of the District's need for, and utilization of, highly accurate aerial imagery and photogrammetry. IFR is prequalified by FDOT in Category 8.3.

Isaac (Ike) Rooks, Jr., PSM – Photogrammetry: Mr. Rooks is a principal of the firm with more than 32 years of professional experience. He has been a registered FL Professional Surveyor & Mapper (#5416) since 1994. During his career, Mr. Rooks has managed hundreds of transportation related photogrammetric mapping projects for counties, cities, municipalities, FDOT, and airport authorities. He is responsible for project management, QA/QC and

coordination/communication of project issues and scope to the various IFR team members. Mr. Rooks ensures all project requirements are met and offers extensive familiarity with FDOT standards, procedures, practices, and guidelines. His experience with the FDOT includes managing aerial photography/photogrammetry projects in each of the 8 Districts. Mr. Rooks is a member of the Florida Surveying & Mapping Society and the American Society for Photogrammetry and Remote Sensing.

CRAVEN THOMPSON & ASSOCIATES, INC. (CTA) – Landscape Architecture: CTA was incorporated in 1962 and has a large group of professional engineers, graduate engineers, surveyors, GIS specialists, landscape architects and planners. The Landscape Architecture Department was created in response to increased public and private concern for natural systems, environmental quality, and community appearance. CTA has been actively engaged in landscape architecture ever since, resulting in hundreds of impressive landscape architectural projects in South Florida. Their landscape architects are readily available to provide services to conduct site planning for the initial conceptual planning stages of a project, as well as the landscape, hardscape, site amenity and irrigation plans. CTA has designed many landscape architectural projects within Broward County, including complete streets, neighborhood entry improvements, streetscape, median beautification, and irrigation design. In addition, they provide landscape plan code/permit review as well as meeting with residents on landscape issues.

Scott W. Peavler, RLA – Landscape Architecture: Mr. Peavler is a certified Registered Landscape Architect with over 15 years of experience. His responsibilities include site planning, landscape and hardscape design, tree removal and relocation plans in AutoCAD and presentation graphics, utilizing knowledge of local and state regulations involved in land development on a range of projects. He coordinates with clients, city officials, and other consultants to obtain project input and approvals.



EDUCATION

M.S. Structural Engineering, University of Florida, 1975
B.S. Civil Engineering, University of Florida, 1974

YEARS OF EXPERIENCE

43 Years

YEARS WITH RJ BEHAR

1999 - Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 21755/1980
- P.E. Kentucky License No. 19836/1997
- P.E. Indiana License No. 19800047/1997
- P.E. Michigan License No. 6201043655/1997
- P.E. Ohio License No. E-6264

PROFESSIONAL SOCIETIES

- American Society of Civil Engineers
- Florida Engineering Society
- ACEC of Florida
- Institute of Transportation Engineers
- Transportation Research Board

ENGINEERING EXPERIENCE

Mr. Robert Behar began his engineering career in 1977 with the Florida Department of Transportation (FDOT). He has years of experience in the planning, designing and managing transportation projects nationwide. He has worked on projects for many municipalities throughout South Florida. Mr. Behar has been a very active member of various engineering societies, where he has served as president of the South Florida Section and Miami-Dade Branch of the American Society of Civil Engineers, Chair of the American Society of Civil Engineers Highway Division, Chair of Florida Institute of Consulting Engineers Transportation Production Committee, and member of the Transportation Research Board's Geometric Design Committee. He is a voting member of the Florida Greenbook Committee. Mr. Behar was awarded the Ben Watts Partnership Award in 2010.

RELEVANT EXPERIENCE

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6

Principal in Charge/Project Manager/Engineer of Record for the roadway design of new construction and reconstruction of NW 87th Avenue, which is an off-system roadway bound by the Florida Greenbook for its design criteria. The project included a Shared-Use bicycle lane, also known as a "Sharrow." The Shared-Use bicycle lane was accomplished by utilizing a 14-foot wide outside travel lane that will be shared by bicyclists and motorists. This project included roadway plans, drainage, traffic counts, traffic signal warrant analysis, lighting, signing and marking, signalization and new bridge design plans. FDOT entered this project for the Project of the Year Award to ACEC.

SW 136th Street from US-1 to Old Cutler Road Local Agency Program (LAP) Project, Miami-Dade County, Florida – Village of Palmetto Bay/FDOT, District 6

Project Manager: He was responsible for supervising the design of the roadway plans, pavement marking and signing plans, utility coordination, drainage design and permitting. The improvements included milling and resurfacing of the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right-of-way constrained corridor

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County Public Works

Project Manager: He is responsible for the roadway design, drainage design, signing and pavement markings, signalization, lighting, wetland assessment, a 4-foot bicycle lane in both directions and utility coordination. NE 151st Street is an off-system roadway bound by the Florida Greenbook for its design criteria. Drainage design includes a series of interconnected French drains with drainage wells. The scope of this project includes a wetland delineation/assessment and contamination assessment.

W. 76th Street from Hialeah Gardens Boulevard to W. 36th Avenue, Miami-Dade County, Florida – City of Hialeah

Project Manager who supervised the development of plans for the project. The scope of this project consisted of roadway reconstruction with some milling and resurfacing of a two-lane road, curb and gutter type F, valley gutter, new sidewalks, on-street parking, exfiltration drainage systems, storm sewers, sodding, signing, and pavement markings. This project was part of the continuous neighborhood improvement program the City has been conducting for years. Under this program, RJ has 50 miles of City street improvements.



Pembroke Road Traffic Study, Broward County, Florida – Broward County Highway Construction & Engineering Division

Principal in Charge: He was responsible for overseeing the production of the traffic study to warrant three signals on Pembroke Road, including warrant analysis and traffic projections. The scope included intersection capacity analysis to project the operating conditions for the intersections. This segment of Pembroke Road is a four-lane divided urban arterial with bridges over I-75. Additionally, the study analyzed these intersections to determine if traffic signals would be warranted based on projected traffic. The operating condition 10 years (2015) after the opening of the roadway segment was also evaluated.

Hollywood Boulevard/N. 28th Avenue Intersection Improvement, Broward County, Florida – Broward County Highway Construction & Engineering Division

Principal in Charge for the intersection improvement project. He supervised the traffic study, the roadway plans, signalization plans, signage plans, drainage plans, ADA requirements and utility coordination for this major intersection improvement project.

Hillsboro Boulevard/Military Trail Intersection Improvement, Broward County, Florida – Broward County Highway Construction & Engineering Division

Principal in Charge for the intersection improvement project. He was responsible for overseeing the traffic study, roadway plans, signalization plans, signage plans, drainage plans, ADA requirements and utility coordination for this major intersection improvement project. He was also the Principal in Charge on the construction engineering inspection of this project.

Atlantic Boulevard/Rock Island Road Intersection Improvement, Broward County, Florida – Broward County Highway Construction & Engineering Division

Principal in Charge: He was responsible for supervising the preparation of the traffic study, roadway plans, signalization plans, signage plans, drainage plans, ADA requirements and utility coordination, and post design services for construction engineering inspection for a major intersection improvement. He was also the Principal in Charge on the construction engineering inspection of this project.

Pembroke Road and SW 184th Avenue Intersection Improvement, Broward County, Florida – Broward County Highway Construction & Engineering Division

Principal in Charge: RJ Behar was a subconsultant to EAC Consulting and provided roadway plans for milling and resurfacing of the existing pavement, signing and pavement marking, signalization plans, utility coordination, and permitting.

Miami River Greenways, Segment D, Miami-Dade County, Florida – City of Miami

Principal in Charge: The project consisted of the reconstruction of an existing roadway segment along the Miami River to produce a scenic, landscaped, pedestrian/bicycle walkway/greenway. The project included the design of a drainage system with injection wells, decorative lighting and landscape/hardscape design.

SR-5/US-1/Overseas Highway from Fontaine Drive to S. of Tavernier Creek Bridge, Monroe County, Florida – FDOT, District 6

Principal in Charge: The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA pedestrian feature upgrades. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the Typical Section was modified to accommodate bicycle lanes without widening.

Davie Road Beautification Streetscape Project, Broward County, Florida – Town of Davie

Principal in Charge for the Downtown Davie streetscape beautification design-build project. The project consisted of street resurfacing, new lighting and sidewalk replacement.

SR-5/Biscayne Boulevard from N of NE 121st St. to NE 151st Street, Miami-Dade County, Florida – FDOT, District 6

Principal in Charge: The scope of services included milling and resurfacing, pedestrian curb ramp upgrading to comply with the American Disabilities Act (ADA) requirements, signing and pavement markings, bike lane designations and traffic control plans. The project access management analysis resulted in the closure of several unnecessary driveways. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the typical section was modified to accommodate bicycle lanes without widening. As part of this major roadway design project, traffic operations and safety studies were performed resulting in further improvements for the US-1 corridor.

SR-5/US-1 Resurfacing, Boca Raton, Florida, Broward County, Florida – FDOT District 4

Project Manager: The scope of this project consisted of milling and resurfacing the existing pavement; upgrading the signal pedestrian features to current ADA standards, new signing and pavement markings with upgraded landscaping.

SW 328th Street from SW 152nd Avenue to SW 137th Avenue, Miami-Dade County, Florida – Miami-Dade County Public Works Department, Highway Division/Plans Review And Design

Principal in Charge: The scope of the project included master planning and feasibility analysis for the new roadway. This project involved the upgrading of the existing traffic signals to mast-arms and internally illuminated signs. The design phase for this project comprised drainage, lighting, signalization, signing and pavement markings.

NW 107th Avenue Feasibility Study, Miami-Dade County, Florida

Principal in Charge: He was responsible for the Feasibility Study of the corridor extension including traffic operations plan, analysis of level of service and potential traffic signal operations, turning movements and signal timings for numerous intersections. FSUTMS was used to forecast the volumes, which were then analyzed in SYNCHRO to obtain the operational characteristics of the projected roadway. The analysis included evaluation of the existing facilities, traffic analysis, corridor plans, roadway and bridge features, conceptual alternatives, preliminary environmental evaluation, costs and recommendations for the improvements.

SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4

Principal in Charge for the resurfacing (RRR) of a 3 mile urban roadway including signal plans, lighting plans, marking and signing plans. The project installed 8 major signalized intersections with galvanized mast arms. Signal analysis and new signal timings were developed using the Synchro model. Left turn storage was added to the intersections, either with added lane storage or by providing dual left turn lanes. Additional studies involving access management and pedestrian improvements improved traffic operations and corridor safety.

SR-25/Okeechobee Road at NW 95th Street, Miami-Dade County, Florida – FDOT, District 6

Project Manager: The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. The project scope also included the addition of paved shoulders along both sides and culvert relocation at Frontage Road.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah

Principal in Charge: He was responsible for overseeing the plans preparation for the roadway improvements of an existing dirt road. A Cut and Fill Permit was required to comply with Miami Dade County's Department of Regulatory and Economic criteria. The scope of this project consisted of roadway reconstruction of a three-lane roadway with dual left turn lanes, curb and gutter type F, valley gutter, new sidewalks, combination of swale and exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting. The lighting design consisted of conventional cobra head lighting.

SR-80/Southern Boulevard Improvements, Palm Beach County, Florida – FDOT, District 4

Project Manager/Principal in Charge: He was responsible for the design and preparation of construction documents for the reconstruction of a 2.5 mile urban roadway, including a major urban interchange.

SR-7/US-441 Roadway Lighting and NW 11th Place Pedestrian Lighting Improvements Local Agency Program (LAP) Project, Broward County, Florida – City of Lauderhill/FDOT, District 4

Principal in Charge: He was responsible for the design and installation of roadway lighting along SR-7 with decorative pedestrian lighting along NW 11th Place. Additional improvements included milling and resurfacing, installation of decorative stamped concrete and asphalt, lighting, landscaping and street furniture. The installation of a concrete sidewalk/pedestrian path connecting NW 11th Place to the park facilities and the installation of decorative pavers, street furniture, and decorative crosswalks at the intersection of SR-7/US-441 and NW 11th Place are also included. This was a FDOT LAP Project.

I-75/Griffin Road Interchange, Broward County, Florida – FDOT, District 4

Principal in Charge: The scope involved a traffic study to convert the existing rural interchange to a modified urban interchange. Services included all the traffic modeling and the preparation of an Interchange Operation Analysis Report (IOAR). He was responsible for reviewing the IOAR, roadway improvements, drainage, permitting, bridge design, structural design, signing and pavement markings, signalization, lighting, landscaping and traffic services.

Palm Avenue Final Design from Okeechobee Road to 21st Street, Miami-Dade County, Florida – City of Hialeah

Project Manager/Engineer of Record: The project included streetscape roadway plans, marking and signing plans, roundabout design, and signalization plans for six intersections. The project consisted of converting Palm Avenue from a one-way to a two-way street. The design incorporated new urban design features, which included streetscape, traffic calming, roundabout design, new decorative lighting, street clock placement, roadway items, ADA compliant new sidewalks, drainage and permitting. The project was designed to accomplish the principles of Context Sensitive Highway Design Manual prepared by the American Society of Civil Engineers. This was a collaborative, interdisciplinary approach involving all stakeholders to ensure that transportation projects are in harmony with communities and preserve environmental, scenic, aesthetic, and historic resources while maintaining safety and mobility.



JUAN H. VAZQUEZ, PE, PH, BCEE

QUALITY CONTROL OFFICER/DRAINAGE DESIGN

EDUCATION

B.S. Civil Engineering, University of Puerto Rico, 1985

YEARS OF EXPERIENCE

35 Years

YEARS WITH RJ BEHAR

2000 - Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 51143/1996
- P.E. Virginia License No. 0402 025604/1994
- P.E. Puerto Rico License No.11385/1989
- P.E. Michigan License No. 46482/1999
- Professional Hydrologist License No. 05-H-1653/2006
- Board Certified Environmental Engineer 07-20009/2007

PROFESSIONAL SOCIETIES

- American Society of Civil Engineers
- Association of Engineers & Land Surveyors, Puerto Rico
- American Society of Highway Engineers
- American Public Works Association
- American Institute of Hydrology
- American Council of Engineering Consultants, Water Resources Committee Member
- American Academy of Environmental Engineers

ENGINEERING EXPERIENCE

Mr. Vazquez has more than 35 years of civil engineering experience including the preparation of stormwater master plans, drainage studies and street improvements. He has designed highways, interchanges, intersections (both urban and rural), prepared pavement designs, transportation studies, hydrologic-hydraulic (H-H) and scour studies, utility relocations, etc. He has managed several general engineering service contracts for the South Florida Water Management District and several municipalities. Mr. Vazquez is a Professional Hydrologist (PH) and a Board Certified Environmental Engineer (BCEE) specializing in water supply and wastewater. For the twelfth year in a row, Mr. Vazquez is in the "Who's Who book of Environmental Engineering, 2019." He is a past president of the Association of Engineers and Land Surveyors of Puerto Rico, Florida Chapter (CIAPR). He was recognized as the Distinguished Engineer in 2014 by the Florida Chapter of the CIAPR. He is a past chair of the ACEC-FL South Florida Water Management District Liaison Subcommittee. Mr. Vazquez is a member of the Florida Greenbook Drainage Subcommittee.

RELEVANT EXPERIENCE

SR-A1A Resurfacing Project, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Project Manager for roadway improvements along SR-A1A from Boynton Inlet Bridge to Lake Worth Road. The project included a major drainage study and improvements, milling and resurfacing, signals, bridge improvements and signing and marking plans. This project included coordination with endangered species and seagrass surveys, preservation of historical properties (two properties), coordination of impacts to 4f (Boynton Inlet park) properties. A coastal construction line permit was also obtained as well as coordination with the Fish and Wildlife Commission for impacts to sea turtles from the proposed lighting design. He prepared the maintenance of traffic plans. He was also in charge of the public information and outreach program.

Billie Johns Street Roadway Improvements, Collier County, Florida – Seminole Tribe of Florida

Project Manager responsible for the drainage design. This project had approximately 7.02 acres total drainage area of which 1.91 ac were offsite areas. The drainage for this project consisted of side ditches discharging to the existing canal at the south end of the project. A new weir control structure was added before discharge to the canal. The roadway runoff was treated on the side ditches prior to discharge into the canal. The proposed drainage system included the installation of side drains, ditch bottom inlets, manholes, solid pipes and control structure. Infiltration tests were performed at several locations. The results varied between 0.6 to 7.7 in/hr. It was decided to design the project with dry ditch detention (1'-0" above the water table and bleeder) rather than rely on infiltration for a retention system

43-Year Community Development Block Grant (CDBG) Improvements NW 2nd Avenue from NW 4th Street to NW 5th Street, Broward County, Florida – City of Hallandale Beach

Engineer of Record for the drainage design for City street improvements. He was responsible for overseeing and reviewing all of the data collection, performing project management, drainage design, permitting, plans production of the project and services during construction. These improvements will upgrade the physical/aesthetic appearance that will complement



housing development and rehabilitation as well as promote more attractive neighborhoods. In general, the improvements include sidewalk replacement, minor drainage improvements, milling and resurfacing, new ADA compliant ramps and sodding.

Tressler Street Drainage Improvements, Miami-Dade County, Florida – City of North Miami

Project Manager/QC Assurance: The improvements included upgrading existing drainage infrastructure by installing exfiltration trenches, solid piping, installation of new catch basin structures with baffles, regrading of swale areas, replacement of existing hand built catch basins, swale retrofit, and other Best Management Practices (BMPs) along Tressler Street including pervious pavements for swale reconstruction.

SR-820/Hollywood Boulevard from SR-A1A to US-1, Broward County, Florida – FDOT, District 4

Engineer of Record for drainage design for the resurfacing, restoration and rehabilitation (3R) project with widening, which affected all the existing drainage. He also managed a separate study to evaluate alternatives to alleviate flooding problems. The alternatives included pump stations with injection wells and new outfalls.

NW 44th Street, Broward County, Florida – City of Lauderdale Lakes

Engineer of Record for drainage and permitting. The project, which was approximately 0.32 miles long, involved the design of the undeveloped section of NW 44th Street into a 4-lane roadway; connecting to the existing 4-lane roadway in the City of Oakland Park. The services included roadway plans, design of 72" culvert, signing and marking plans and concrete block privacy walls. The project was nominated for a civil engineering award by the Florida Chapter of the Institute of Professional Engineers of Puerto Rico for its use of Context Sensitive Design Principles and received Third Place

Griffin Road and State Road 7, Broward County, Florida – FDOT, District 4

Drainage/Roadway Engineer responsible for preparing the maintenance of traffic and drainage design concept Phase 1 Report for SR 7 and prepared the drainage modifications to the Griffin Road section. He completed the drainage for SR 7 and permitting with the South Florida Water Management District, Broward County and U.S. Army Corps of Engineers. He also designed the plans for the relocation of a water main for Broward County Office of Environmental Services.

SR-997/Krome Avenue from SW 312th Street to SW 296th Street, Miami-Dade County, Florida – FDOT, District 6

Project Manager who performed quality control reviews of the drainage design. The scope included milling and resurfacing the entire corridor plus widening to create a standard 5-Lane undivided urban typical section with concrete sidewalks on each side. The services included replacing the slab covered trenches with French drains, checking spread and replacing non-standard inlets.

I-95/SW 10th Street Interchange Improvements, Palm Beach County, Florida – FDOT, District 4

Drainage Engineer: He developed the Conceptual Drainage design and report for the preliminary design of interim improvements to the I-95 Interchange at SW 10th Street. He also worked on the Design-Build Criteria Package. The design included widening of SW 10th Street to provide better turning operations within the Part Cloverleaf (PARCLO) A modified interchange.

Oakhill Culvert Replacement at SW 17th Street, Broward County, Florida – Town of Davie

Principal in Charge/Engineer of Record for design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood. The new culvert is a 60-inch RCP pipe with sand cement end walls.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach

Principal in Charge: He was responsible for the schedule, public involvement, and managing the design team as well as the subconsultants. The project included the preparation of the Basis of Design Report and design for drainage, new sanitary sewer collection system and water services upgrades. The project included a public Information program with community workshops.

North Andrews Gardens Neighborhood Improvement Project, Broward County, Florida – Broward County Office of Environmental Services

Drainage Engineer: He performed drainage calculations for the FDOT drainage connection permit.

District Engineers/Permit Reviews, Broward County, Florida – Central Broward Water Control District (CBWCD)

Technical Expert: He provides hydrologic-hydraulic expertise and reviews technical issues regarding projects. RJ Behar serves as one of two firms who serve as District Drainage Engineers (DDE). As DDE, RJ Behar reviews plats, applications for water management work permits, paving and drainage plans, as-built plans, and permit renewal applications for conformance with the District's drainage regulations, standards, procedures, and design criteria. RJ Behar also provides other services including drainage criteria, manual updates, special studies, data collection and monitoring, computer modeling, geographic information systems, master planning, design, permitting, cost estimating, construction inspection services, facilities financing, facilities operations and other services as directed by the District.

NE 32nd/33rd Avenue and NE 17th Avenue, Broward County, Florida – City of Fort Lauderdale

Drainage Engineer: He was responsible for the development of improvements to the drainage system and in charge of reviewing reports and calculations.

Design-Build for I-595 Final Design, Broward County, Florida – FDOT, District 4

Task Manager responsible for the overall drainage master plan update and complete drainage design for the entire corridor, which included exfiltration trenches, storm sewer design and analysis, cross drain analysis, and both wet and dry retention and stormwater management designs for seven out of eight design zones. He was Engineer of Record for two of the eight segments. He also prepared the stormwater master plan for the wining proposal.

Northlake Boulevard over the Loxahatchee Slough, Palm Beach County, Florida – Palm Beach County Engineering & Public Works

Drainage Engineer: The project consisted of reconstruction of a four lane divided highway, construction of a bridge, weir and walkway. He was responsible for the drainage and permitting of the project. He also provided review of weir design and canal hydraulics using the HEC-RAS model.

I-75/Griffin Road Interchange, Broward County, Florida – FDOT, District 4

Engineer of Record for drainage improvements to the interchange. The I-75 western ramps were realigned to converge at a new signalized intersection. His responsibilities included the quality control reviews of drainage design and permitting packages. He also prepared a Technical Specification Package (TSP) for cleaning of inlets.

Andrews Avenue, Broward County, Florida – FDOT, District 4

Engineer of Record for the preparation of pond siting report and design of stormwater management system. He performed quality control of the design plan, drainage report and permitting packages. The project also included nutrient analysis for removal of phosphorous and nitrogen loads.

SR-824/Pembroke Road and Hillcrest Golf Course Drainage Study, Broward County, Florida – FDOT, District 4

Engineer of Record for a drainage study performed as part of a Districtwide Minors contract. The project included the connection of drainage from SR-824/Pembroke Road to use lakes at the Hillcrest Golf Course for additional storage and drainage capacity. The project included a groundwater model to estimate the capacity of proposed lakes to dispose stormwater runoff.

Design-Build for the Reconstruction of SE 3rd Street, Palm Beach County, Florida – FDOT, District 4

Drainage Engineer: The scope included the reconstruction of SE 3rd Street between Martin Luther King, Jr. Boulevard and G Avenue project. He was responsible for designing the entire drainage system, with French drains, new outfall, control structures and prepared the drainage report and permitting packages.

Miami River Greenways Segment D, Miami-Dade County, Florida – City of Miami

Engineer of Record for the design of the system of French drains and injection wells to handle runoff. He also managed the permitting of the drainage systems with Miami-Dade DERM and Florida Department of Environmental Protection.

Alley Refurbishment Program Evaluation, Broward County, Florida – City of Coral Springs

Project Manager who evaluated the pavement conditions of 5 alleyways and prepared cost estimates and a report with recommendations for the rehabilitation. He provided design for the two alleyways which were in the worst condition. RJ Behar also provided services during construction that included field inspection, review of contractor's submittals, review of payment requests, review and monitoring of schedules, answering Requests for Information, and evaluation and acceptance of final quantities

Palm Avenue Final Design, Miami-Dade County, Florida – City of Hialeah

Engineer of Record for drainage design. He completed permitting, quality control reviews and prepared specifications including specialty items such as street clocks.

US-1/SR-5, St. Lucie, Florida – FDOT, District 4

Engineer of Record: He was responsible for the design of the drainage improvements.

SR-80/Southern Boulevard from the Turnpike to West of Haverhill Road, Palm Beach County, Florida – FDOT, District 4

Drainage Engineer. He performed the preliminary analysis of the stormwater management system for the development of Right-of Way requirements for the project. The project includes 8 independent basins and outfalls to the C-51 canal.

SR-845/Powerline Road RRR, Palm Beach County, Florida – FDOT, District 4

Project Manager in charge of the 3R rehabilitation project. He was in charge of the drainage design, public information and outreach program. The project included major culvert replacement, milling and resurfacing, eight signals, bridge improvements and signing and marking plans. He prepared the maintenance of traffic plans.

Street Reconstruction Program, Miami-Dade County, Florida – City of Hialeah

Engineer of Record for drainage design and permitting for over 50 miles of City streets.

**MAJOR HIGHWAY DESIGN, SIGNING,
PAVEMENT MARKING, CHANNELIZATION****EDUCATION**

B.S. Civil Engineering, Florida International University; Miami, Florida, 2001

YEARS OF EXPERIENCE

19 Years

YEARS WITH RJ BEHAR

2001 - Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 74249/2012
- P.E. Washington, DC License No. 905769/2010

PROFESSIONAL SOCIETIES

- American Association of Civil Engineers
- Association of General Contractors

ENGINEERING EXPERIENCE

Ms. Riveros has been responsible for the preparation of roadway plans, drainage plans and site plans throughout South Florida. She has assisted in drainage design of stormwater management projects as well as roadway design. She has also performed construction cost estimates for improvements that included street construction, buildings construction, and landscaping projects. Ms. Riveros is well-versed in the use of AdICPR, ASAD, and HEC-RAS for stormwater and hydraulics design and of Geopak software for roadway design and electronic delivery of FDOT plans. Her responsibilities have included the preparation of drawings in MicroStation and AutoCAD for civil and roadway projects. At RJ Behar, Ms. Riveros is the Director of Transportation. She was recipient of the Governor's Project Team Award for her participation as Project Manager on the I-95 PD&E study from Stirling Road to Oakland Park Boulevard.

RELEVANT EXPERIENCE**SW 136th Street from US-1 to Old Cutler Road Lap Project, Miami-Dade County, Florida – Village of Palmetto Bay/ Florida Department of Transportation (FDOT), District 6**

Project Engineer: She was responsible for the design of the roadway plans, pavement marking and signing plans, utility coordination, drainage design and, permitting. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor

I-95 at 6th Avenue Interchange Design, Palm Beach County, Florida – FDOT, District 4

Project Manager responsible for the interchange improvements, which includes a Level IV CAP, six typical sections, pavement design, access management, TCP plans, temporary lighting on all ramps, drainage, utility coordination, environmental permits, signing and marking plans, signalization and complete management of all subconsultants. The project also includes milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County

Project Engineer: She is responsible for assisting with the roadway design, drainage design, signing and pavement markings, signalization, lighting, a 4-foot bicycle lane in both directions, wetland assessment, and utility coordination. NE 151st Street is an off-system roadway bound by the Florida Greenbook, for its design criteria. Drainage design includes a series of interconnected French drains with drainage wells.

SR-25/Okeechobee Road at NW 95th Street, Miami-Dade County, Florida – FDOT, District 6

Project Engineer: The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. The project scope also included the addition of paved shoulders along both sides and culvert relocation at Frontage Road.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah

Project Engineer: She was responsible of plans preparation for the roadway improvements of an existing dirt road. The scope of services for the improvements includes roadway plans, signing and pavement marking plans, drainage report and estimates of probable of construction cost.

NW 102nd Avenue from NW 138th Street to NW 142nd Street, Miami-Dade County, Florida – City of Hialeah

Project Manager: She is responsible for the roadway reconstruction, one signal modification, a new drainage system, lighting, utility coordination, signing and pavement marking, and permitting.

Traffic Circle at SW 32nd Avenue and SW 2nd Street, Miami-Dade County, Florida – City of Miami

Project Manager: She is responsible for the design of a traffic circle, which includes signing and pavement marking, utility



coordination, drainage, and permitting.

Atlantic Boulevard at Rock Island Road, Intersection Improvement, Broward County, Florida – Broward County Highway Construction & Engineering Division

Traffic Engineer: She performed a traffic analysis to determine the existing Level of Service (LOS) and provide recommendations to improve the existing deficiencies, which also included projections for the design year.

North County Neighborhood Improvement Project, Broward County, Florida – Broward County Highway Construction & Engineering Division

Project Engineer in charge of drainage design and permitting. She performed design of French drains, stormsewer systems and prepared the drainage plans and report.

SW 35th Avenue from SW 29th Street to SW 28th Street, Miami-Dade County, Florida – City of Miami

Project Manager: Engineering services included milling and resurfacing, localized drainage improvements, ADA upgrades, utility coordination, permitting, signing and pavement marking.

SR-710/Beeline Highway from Northlake Boulevard to SR-708/Blue Heron Boulevard, Palm Beach County, FL – FDOT, District 4

Project Engineer responsible for the roadway and stormsewer design to accommodate the 10-lane section widening of Florida Turnpike over SR 710. She was responsible for typical sections, horizontal and vertical geometry, cross sections and design of the stormsewer collection.

I-595 Mobility Hub Park and Ride, Broward County, Florida – FDOT, District 4

Project Manager: She was responsible for project management, parking lot design, drainage design, and signing and pavement markings. The scope of work included modifying the mobility hub to increase and maximize the number of parking slots, review the Reese Road connection to improve access control, and improve circulation. These improvements required modifications to the existing drainage, lighting, signing and pavement markings, and landscaping. She was also responsible for the preparation of a Community Awareness Plan, preparing Flyers, and attending a public meeting. The site design included preparing a master plan of the proposed improvements for review and approval by FDOT. Once the master plan was approved, the design included geometric design, quantities, specifications, cost estimates, drainage design and drainage plans, signing and marking design and plans, lighting design and plans, utility coordination, and preparing the required permit modifications.

I-95 at 6th Avenue Interchange PD&E, Palm Beach County, Florida – FDOT, District 4

Assistant Project Manager responsible for schedule updates, LRE updates, geometric design, preparation of conceptual plans, and portions of the Preliminary Engineering Report as part of the PD&E study of the Interchange Improvements. The scope included the preparation of the Interchange Modification Report, Public Involvement, all engineering analyses, Contamination Assessment Report, cost estimates, and preparation of the Preliminary Engineering Report and the Class of Action (Categorical Exclusion Type II) documents.

Billie Johns Street Roadway Improvements, Hendry County, Florida – Seminole Tribe of Florida

Project Engineer: Ms. Riveros was in charge of the roadway and drainage design and the utility coordination for the project. This project consisted of improvements to Billie Johns Street from 0.67 miles SE of Medicine Man Drive to Medicine Man Drive Boulevard in the Big Cypress Reservation. Billie Johns Street is classified as a residential rural street.

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6

Project Engineer responsible for revisions to the drainage plans, and completion of the drainage report.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach

Project Engineer for the preparation of the 3D models for development of street profiles.

Design-Build I-595 Final Design, Broward County, Florida – FDOT, District 4

Project Engineer involved with the drainage design for several sections of the corridor. Design tasks included exfiltration trench design, storm sewer design and analysis, and both wet and dry retention/detention stormwater management pond designs. She was involved in the drainage design of two segments of the Turnpike roadway. Also performed plan modifications after RFC plans were issued and directed the plans preparation with other designers and technicians. The design involved the use of spreadsheets, AdICPR, ASAD and Microstation.

SR-A1A Resurfacing Project, Palm Beach County, Florida – FDOT, District 4

Project Designer for this RRR project from the Boynton Inlet Bridge to SR-802. The project included milling and resurfacing for 4 miles and reconstruction of 1 mile of a major rural roadway, as well as drainage improvements, coastal drainage studies, pavement marking and signing, overhead signing plans, lighting plans, three signal locations, bridge plans, wetland mitigation, public involvement, design documentation and landscape plans. She prepared all the roadway plans and performed the AdICPR drainage modeling of existing and proposed conditions.



JASMANI RIVERON, PE
**MAJOR HIGHWAY DESIGN, SIGNING,
 MARKING, & CHANNELIZATION**

EDUCATION

M.S. Structural Engineering, Florida International University, College of Engineering, Miami, 2009
 B.S. Civil Engineering, Florida International University, Miami, Florida, August 2008

YEARS OF EXPERIENCE

11 Years

YEARS WITH RJ BEHAR

2010 – Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 73798, 2011

ENGINEERING EXPERIENCE

Mr. Riveron has experience in civil engineering, permitting, budgeting and construction management. He has been Project Engineer responsible for roadway, signing and marking, utility coordination, traffic control plans, drainage plans and permitting for roadway projects. He has assisted in scheduling and obtaining bids for numerous construction projects, obtained permits and legal documents for various developments.

RELEVANT EXPERIENCE

Pompano Beach Mobility Sidewalks, Broward County, Florida – Florida Department of Transportation (FDOT), District 4

Project Manager responsible for preparing roadway, signing and marking plans, and specifications. The scope of this project consists of providing pedestrian sidewalk connectivity along 3 local roads within the City of Pompano Beach. The services include regrading grass swales and minor drainage modifications.

CR-512 from W. of Limit of FM 413049-2-52-01 to 108th Avenue, Indian River County, Florida – FDOT, District 4

Project Engineer responsible for preparing signing and marking plans. The scope of this project includes realigning travel lanes on CR-512 to eliminate traffic from being forced into a ramp only lane west of the 108th Ave. intersection. Additionally, includes eliminating a merge condition on CR-512 immediately following the I-95 SB off ramp. Services include signing and marking modifications.

SR-76, SR-614, and SR-5 Green-Colored Bicycle Lane Retrofit, Martin and St. Lucie County, FL – FDOT, District 4

Project Engineer responsible for preparing signing and marking plans. The scope of this project includes evaluating 34 locations for placement of green-colored bicycle pavement markings at conflict areas. Services include signing and marking modifications.

Florida Mango Road over PBC L-2 Canal Palm Beach County, FL - Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Manager/Engineer of Record for replacement of the Florida Mango Bridge over the L-2 Canal. He was also responsible for the design of the utilities (Water and force main) affected by the bridge replacement.

Turnpike-wide Replace GREAT System and HEX FOAM Crash Cushions Median Openings Study, Multiple Counties, Florida – Florida Turnpike Enterprise (FTE)

Project Engineer who assisted with the preparation of a study of median openings on the Turnpike system to evaluate against median opening standards. The crash cushions of the medians to remain open will be replaced with new ones.

Turnpike-wide Replace GREAT System and HEX FOAM Crash Cushions, Multiple Counties, Florida – FTE

Project Engineer who assisted with the preparation of a study of median openings on the Turnpike system to evaluate against median opening standards. The crash cushions of the medians to remain open will be replaced with new ones.

Drexel Road Bridge Replacement, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer responsible for roadway and drainage design plans, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination.

Summit Boulevard over LWDD E-3 Canal Slope Stabilization, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer responsible for the production of roadway plans, permitting, and utility coordination.



Haverhill Road from Caribbean Boulevard to SR-710 Widening, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer responsible for roadway design, permitting, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination.

Jog Road Slope Stabilization, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer responsible for roadway design, permitting, utility coordination. Services include drainage analysis, structures, cost estimates and post design services.

SR-710/Beeline Highway from Northlake Boulevard to SR-708/Blue Heron Boulevard, Widening, Palm Beach County, Florida – FDOT, District 4 (Subconsultant to HDR)

Project Engineer responsible for preparing roadway plans. The scope of this project consists of the widening of SR-710 to accommodate the Turnpike Bridge widening that crosses over SR-710. In order to relocate the columns while maintaining traffic on the Turnpike, the turnpike bridge and both approaches will be widening to a six-lane section. The services include drainage modifications, structures (retaining walls), and signalization analysis.

SR-710/Beeline Highway Passing Lane Improvements from Okeechobee County Line to Allapattah Road, Martin County, Florida – FDOT, District 4

Project Engineer responsible for preparing the concept plans, provided preliminary quantities, and cost estimates. He also reviewed the Design/Build team's proposals and attended ATC meetings.

I-75/Griffin Road Interchange, Broward County, Florida – FDOT, District 4

Project Engineer: He was responsible for plans preparation, utility coordination, pavement design and quantities. The scope of the project included roadway improvements, drainage, permitting, bridge, structural, signing and pavement markings, signalization, lighting, landscaping and traffic analysis.

Kirk Road Bridge over Lake Worth Water District L-9 Canal, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer responsible for roadway, signing and marking, drainage plans and permitting for the project. The project will include replacement of the existing bridge with the installation of 80' of a 12' x 4.5" box culvert and canal revetment at both ends. The proposed drainage will continue to use the existing outfall's pipe sizes.

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6

Project Engineer: He updated the Bridge Hydraulic Report using the HEC-RAS model. The update consisted of updating the bridge geometry in the hydraulics model, the scour calculations and the final report.

Hatton Highway Bridge over Pahokee Water Control District Main Canal, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Roadway Engineer: He was responsible for preparing the roadway improvement plans, drainage design plans, and permitting. The bridge cross section included two 12' lanes with 8' shoulders, concrete barriers and no provision for sidewalks. Wing walls and slope protection were designed to accommodate the new bridge, highway alignment and typical section.

Northlake Boulevard Bridge over the Loxahatchee Slough, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Project Engineer: He performed utility coordination, quantities and plans preparation. The scope of the project consisted of construction of a new bridge over the Loxahatchee Slough. The project partially meets some of the goals of the Comprehensive Everglades Restoration Project. Services included bridge design, drainage design, roadway improvements, permitting.

SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4

Project Engineer: He attended project meetings and performed post design services for the project. The project consisted of the resurfacing of 3 miles of Powerline Road in Palm Beach County. This project involved preparing the Resurface, Restoration and Rehabilitation (RRR) Report. The project included a safety analysis and a signal assessment analysis. He has attended project meetings and is performing post design services for the project.

Reconstruction of SE 3rd Street, Palm Beach County, Florida – FDOT, District 4

Project Engineer: He was responsible for the production of roadway plans, utility coordination, signing and pavement marking plans as well as quantities. The scope of this project included roadway plans, drainage design, signing and marking plans and utility relocation plans. The design included the use of filter fabric and a thick sub-base in lieu of demucking the roadway. The project also included water and sewer plans to be constructed as part of the roadway improvements.



RAFAEL DE ARAZOZA, PE, PTOE, CPM SENIOR TRAFFIC/TRANSPORTATION ENGINEER

EDUCATION

B.S. Civil Engineering, Florida International University, Miami, Florida, 1975

YEARS OF EXPERIENCE

45 Years

YEARS WITH RJ BEHAR

2010 – Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 24487, 1980
- Professional Traffic Operations Engineer (PTOE) No. 2852, 2010
- Certified Public Manager (CPM), Florida State University/Florida Department of Transportation, 1989

ENGINEERING EXPERIENCE:

Mr. De Arazoza experience includes supervising and providing technical guidance and support to transportation planning, roadway design and traffic engineering personnel throughout his career. He provided and continues to provide management and technical support for traffic engineering and safety studies, transportation planning, land use planning, including public involvement and coordination with local governments. He provided quality assurance and quality control on all of the above activities. He has worked in both private and governmental agencies, including FDOT and Broward County. Mr. De Arazoza has held many high level management positions throughout his career. He is well-versed in traffic engineering and roadway design standards and procedures.

RELEVANT EXPERIENCE:

Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community

Traffic Project Manager: He was responsible for overseeing the collection of the traffic data for AM and PM peak hour and for the turning movement counts. He compiled all of the data and computer generated information and prepared the Traffic Analysis Report.

I-95 at 6th Avenue Project Development & Environmental (PD&E) Study, Palm Beach County, Florida – FDOT, District 4

Traffic Engineer/Task Manager for the IOAR as part of the PD&E study of the Interchange Improvements. The study included traffic projections, public involvement and included all the ramps within the subject interchange. This IOAR along with the proposed improvements received approval by FDOT Central Office.

Donald Ross Road and I-95 Interchange Operational Analysis Report (IOAR), Palm Beach County, Florida – FDOT, District 4

Project Manager: He provided professional traffic engineering services for the IOAR. The study area included the two signalized intersections west and east of the I-95/Donald Ross Road Interchange and the intersections of Donald Ross Road with Heights Boulevard to the east of the interchange and with the unsignalized intersection of 64th Drive N. west of the interchange. The study also included the ramps within the subject interchange. This IOAR along with the proposed improvements received approval by both FDOT and the Federal Highway Administration (FHWA).

Districtwide Traffic Operations/Safety Studies, Miami-Dade County, Florida – FDOT District 6

Project Manager responsible for providing services including the development of safety and traffic operations studies. Tasks included traffic data collection and analysis, field review, operation analysis, crash analysis, cost-benefit analysis, and providing improvement alternatives. The locations that were studied include high crash spot/segment locations or other Districtwide locations where safety and operational concerns were identified.

Palmetto Bay Village Center & Old Cutler Bay Road Traffic Study, Miami-Dade County, Florida – Village of Palmetto Bay

Project Manager: He was responsible for reviews of the studies to ensure that all pertinent data and analyses complied with applicable standards, policies, procedures and guidelines; such as the latest versions of the Highway Capacity Manual, the Florida Department of Transportation Quality/Level-of-Service Handbook, the Institute of Transportation Engineers Trip Generation 9th Edition and the Village. RJ Behar performed reviews of the Traffic Impact Study, Traffic Calming Studies, Traffic Operations/Safety Studies, and provided a report with the findings, comments and recommendations.

Traffic Engineering Services and Highway Functional Class Function Study, Broward County, Florida – City of Miramar

Project Manager responsible for successfully completing a signal warrant study and the Roadway Functional Classification

& Jurisdictional Transfers studies for the City as well.

Transportation Planning & Traffic Engineering Services, Miami-Dade County, Florida – City of Doral

Project Manager responsible for performing traffic operations, safety, street calming and signal warrants studies, as well as reviewing numerous traffic impact studies for the City. As part of these studies, recommendations were made to address identified operational and safety deficiencies.

Roadway Impact Fees Study, Miami-Dade County, Florida – City of Doral

Task Manager: The purpose of this study was to determine the impact to roadway improvement revenue funds as the result of reducing the total number of trips generated by multi-use developments to account for internally captured trips. He reviewed the current available data, developed three impact fees from the current methodology, reviewed the existing methodology impact fees from revised methodology; prepared a comparison table study, and finalized the Report.

SR 5/US-1/Biscayne Boulevard and NE 35th Street Traffic Signal Warrant Analysis, Miami-Dade County, Florida – FDOT, District 6

Project Manager: The scope included a signal warrant analysis to evaluate the need for potential signalization at the intersection. The study concluded that the intersection is not a candidate for a traffic signal at the time; however, improvements were recommended for the Department’s consideration in order to improve operational and safety conditions at this intersection.

Transportation Master Plan/Transportation Concurrency Management Areas, Miami-Dade County, Florida – City of Miami Gardens

Project Manager responsible for complete development of the Transportation Master Plan, including public involvement, analyses of existing and future conditions of the transportation system; development of transportation improvement projects addressing not only roadways but multi-modal projects as well. He developed an implementation plan including existing available and forecasted transportation funds and received approval by the City Council and the Metropolitan Planning Organization.

SR 817/NW 27th Avenue at Ali Baba Avenue, Miami-Dade County, Florida – FDOT, District 6

Project Manager: He oversaw the seventy-two hour volume counts were collected for every approach at the study intersection. Based on the data/observation identified above, the need for a protected left-turn phase for the northbound, eastbound and westbound left-turn movements of the study intersection did not appear to be justified at that time.

Traffic Analysis for Proposed Sonic Restaurant, Broward County, Florida – City of Coral Springs

Project Manager who performed the traffic study. The purpose of this traffic study was to determine the difference in vehicular trip generation between the previously approved site plan and the newly proposed one and determine if further analysis was required. The study also analyzed the impact, if any, of the proposed 2-lane drive-thru.

Master Plan Updates Existing Conditions Inventory at Fort Lauderdale-Hollywood International Airport, Broward County, Florida – Broward County Aviation Division

Project Manager: He provided the applicable sections of the Inventory of Existing Conditions Chapter and maps of the land use and traffic data as well as tables of all traffic count data and land use acreage. The scope involved evaluations for the Master Plan update, which included a thorough inventory of existing condition and data collection, comprising both physical attributes and operational/performance characteristics for existing facilities and infrastructure will be undertaken. The data and information collected as part of this inventory task will serve as a baseline of existing conditions by which the subsequent master planning analysis will be based upon.

Master Plan Updates Existing Conditions Inventory at North Perry Airport (HWO), Broward County, Florida – Broward County Aviation Division

Project Manager for the landside inventory, which included a review of existing conditions for on-airport roadways and intersections, public transportation and general ground access, public parking and interface with the local roadway network. Every effort was made to utilize available recent traffic count information provided by BCAD or others, including data from recent FDOT traffic counts. Traffic count information for the primary arterial roadways surrounding HWO (Pines Boulevard, University Drive and Pembroke Road) was obtained from FDOT traffic count data. The evaluation of vehicular parking areas was performed separately on an individual tenant facility basis by others. RJ Behar provided the applicable sections of the Existing Conditions Inventory Chapter summarizing the conditions of the existing HWO airport facilities and operating environment.



EDUCATION

B.S. Civil Engineering, University of Florida, 1976

YEARS OF EXPERIENCE

44 Years

YEARS WITH RJ BEHAR

2000 – Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 22979, 8/20/1980
- Certified Bridge Inspector – Bridge Inspectors Training Program, FDOT & USF, 1982

ENGINEERING EXPERIENCE

Mr. Piccolo serves as a senior structural design engineer for R.J. Behar & Company, Inc. He has a thorough understanding of advanced structural engineering and the associated computer skills. He also has a very practical background in bridge construction and construction contract administration procedures. This background enables him to produce a set of plans which are constructible, economical and rarely require supplemental agreements during construction. Mr. Piccolo has been the Project Manager and Engineer of Record for numerous very successful highway and bridge projects over the past 27 years as a consultant. He also has 15 years of experience as an FDOT employee. He was the first FDOT Bridge Engineer to design a bridge to withstand a ship impact (Choctawhatchee Bay Bridge) and the first to design a curved steel box girder superstructure (Thomasville Road Flyover). He was presented with the Bill Dean Award by FDOT and is listed in the “Who’s Who in Science and Engineering”.

RELEVANT EXPERIENCE

SR 25/Okeechobee Road from W. 7th Avenue to NW 36th Street, Miami-Dade County, Florida – Florida Department of Transportation (FDOT), District 6

Structural Engineer: He was in charge of the mast arm design.

Seawall Design at Tobie Wilson Park, Miami-Dade County, Florida – Town of Medley

Senior Structural Engineer/QC – Structural analysis and design, plans preparation and permitting. The scope of work will include design of approximately 850 feet of a new bulkhead wall located along the south bank of the Miami Canal. **Project Biscayne Boulevard from 196th Street to 213th Street, Miami-Dade County, Florida – FDOT, District 6**

Structural engineer in charge of design and post design services. The project included five mastarm intersections, and foundations for ground mounted pedestrian signals and flashing lights.

SR-243 Pecan Park Road, Duval County, Florida – FDOT, District 2

Structural engineer in charge of design and post design services. The project included one new bridge; two tied back (Schnabel type) retaining walls, two strain pole intersections, four mastarm intersections, three bridge mounted sign structures and eight overhead sign structures.

Hatton Highway Bridge Replacement over the Pahokee Water Control District’s Canal NO. 2, Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works, Division of Roadway Production

Structural Engineer: The County requested replacement of the existing 4-span bridge, which was approximately 60’ long, Bridge PB # 934512. The bridge replacement design located the new structure with a sufficiently clear distance from the existing FPL 138 Kv. overhead transmission line along the east side of Hatton Highway. Hatton Highway was reconstructed to accommodate the selected bridge replacement. A preliminary alternative analysis was conducted to determine the appropriate roadway section, construction requirements, and limits of work. The bridge design was based on providing a similar 3-span arrangement over the canal, 60’ clearance. The bridge cross section included two 12’ lanes with 8’ shoulders, concrete barriers, and no provisions for sidewalks. Wing walls and slope protection were designed to accommodate the new bridge highway alignment and typical section. The bridge design elements were developed in accordance with the County’s Thoroughfare Road and Bridge Design Procedures. RJ Behar was responsible for all permit coordination on the project. Successful completion of the plans and specifications was achieved with a final score of 97 out of 100.

Existing Roadway Condition and Assessment (ERCAR) Reports, Indian River, St. Lucie & Osceola Counties, Florida – Florida’s Turnpike Enterprise

Structural Engineer in charge of field inspections and report preparation for four (ERCARs). The projects included 22 bridges, 22 box culverts, 7 farm crossings and 12 overhead sign structures. The reports described the condition of each

structure and recommended the proposed scope of work for four Turnpike resurfacing projects.

Ellison Wilson Bridge from South of Juno Isles to Ascot Road, Palm Beach County, Florida - Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Structural Engineer responsible for the plan reviews to assure structural adequacy, constructability, completeness and accommodation of utilities, etc.

SR-850/Northlake Boulevard over the Loxahatchee Slough, Palm Beach County, Florida - Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Structural Engineer in charge of design and construction services. The project consisted of one new bridge, four MSE walls, one elevated walkway with handrails and one gated weir/bridge.

I-595 Highway Improvements, Broward County, Florida – FDOT, District 4

Structural Engineer who provided design calculations for the overhead sign trusses.

SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4

Structural Engineer in charge of design and post design services. The project included one bridge widening, seven mastarm intersections, two overhead sign structures and a 72" corrugated metal pipe rehabilitation.

SR-806/Atlantic Avenue, Palm Beach County, Florida – FDOT, District 4

Structural Engineer in charge of design and post design services. The project included seven mastarm intersections and one steel strain pole intersection.

SR-816/Oakland Park Boulevard Bridge over the C-13 Canal, Broward County, Florida – FDOT District 4

Structural Engineer in charge of design and post design services. The project included one bridge widening, two mastarm intersections, two overhead sign structures, one retaining wall and one special gravity wall.

SR-A1A Bridge Over Boynton Inlet Bridge Rehabilitation, Palm Beach County, Florida – FDOT District 4

Structural Design Engineer who prepared plans for replacement of the concrete rails, guardrail attachments, sealing, repairing of joints and also prepared plans for construction of eight new outfalls connecting to an existing seawall. The scope included the design plans for milling and resurfacing (RRR) for five miles of a major rural roadway, including drainage studies, drainage design, pavement marking and signing plans, signal plans, bridge plans, public involvement, lighting and landscape plans.

45th Street Bridge, Palm Beach County, Florida - FDOT Turnpike Enterprise

Structural Design Engineer: The bridge superstructure joints were sealed and the abutment wall at the east end of the bridge was rebuilt. Extensive field engineering services were provided. His responsibilities included marketing, price negotiations, client contact, project management and QC/QA for this project.

I-95 Bridge Repairs from Miami-Dade County Line to Griffin Road, FDOT District 4

Structural Engineer: This project for FDOT included the repair and upgrade of 16 bridges along I-95. The expansion joint seals at each bridge were replaced. The adjacent headers and steel armor angles were repaired as necessary. The project also included structural pile jackets, spall repairs, riprap repairs and class V finish. During construction we reviewed shop drawings, responded to RFI's and assisted the CEI in making field decisions regarding the header repairs.

Lighthouse Drive Bridge Over Grand Canal, Lighthouse Point, Florida

Structural Engineer who performed structural design, peer review of design calculations, plans, and quantities, and provided design calculations for deck slab and bulkhead walls for this project. Scope of services included services during construction.

Golden Isles Bridge Improvements, City of Hallandale Beach, Florida

Senior Structural Engineer: The scope of the project included complete structural inspection of seven existing bridges, structural design for replacement of parapets and evaluation for the addition of sidewalks and preparation of plans for the improvements.

SR-60 Bridge Over the C-52 Canal, Indian River County – FDOT District 4

Structural Engineer: The project improvements consisted of reconstruction from two lanes to a four-lane divided roadway. Construction consisted of heavy highway construction and the phased replacement of the bridge over the C-52 Canal. The scope included services during construction, which included the review of shop drawings for the bridge elements as well as the temporary bridge and overhead signs.

US-1 Bridge over Biscayne Canal – FDOT, District 6

Structural Design Engineer: His responsibilities included marketing, price negotiations, client contact, project management and QC/QA for this project.

**DRAINAGE DESIGN, ENVIRONMENTAL PERMITTING****EDUCATION**

M.S. Environmental Engineering, Florida International University, 2001

B.S. Civil Engineering, National University of Engineering, Lima, Peru, 1984

YEARS OF EXPERIENCE

34 Years

YEARS WITH RJ BEHAR

2014 – Present / 2001 - 2004

PROFESSIONAL REGISTRATIONS

- P.E. Florida License No. 62988, 2005
- Certified Environmental Inspector, Environmental Assessment Association, EA-17007

ENGINEERING EXPERIENCE

Mr. Cardenas has numerous years of engineering experience. He is responsible for the design and plans preparation for civil engineering and water resource projects. He has extensive experience in environmental engineering and utility projects and has designed and supervised construction of water distribution systems and drinking wells. He has experience with the use of Environmental models: SWMM (stormwater management model), and HSSM (hydrocarbon spill screening model) and hydraulic models AdICPR, ASAD and HEC-RAS. Mr. Cardenas is a Certified Environmental Inspector and has prepared numerous environmental site assessments.

RELEVANT EXPERIENCE**SW 136th Street from Us-1 to Old Cutler Road LAP Project, Miami-Dade County, Florida – Village of Palmetto Bay/ Florida Department of Transportation (FDOT), District 6**

Project Engineer responsible for assisting with the drainage design and permitting for this project. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County

Drainage Engineer: The drainage design for the project includes a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. The project is permitted with the South Florida Water Management District, the Miami Dade Department of Environmental Protection (DERM) and the United States Army Corps of Engineers (USACOE).

Safe Routes to School Locations (Four Schools), Miami-Dade County, Florida

Engineer of Record: He is responsible for signing and pavement marking design. The scope of services includes upgrading school zone signs, adding flashing beacons, relocation of guardrails to front of sidewalks and installing railing along the canal, installing flashing and fluorescent school zone signs and pavement markings, crosswalk improvements and installation of ADA accessible ramps.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah

Project Engineer for the drainage report and permitting. He was responsible for drainage design and preparing all the permit applications and obtaining the permits.

NW 102nd Avenue from NW 138th Street to NW 142nd Street, Miami-Dade County, Florida – City of Hialeah

Project Engineer for drainage and permitting. He was responsible for drainage design and preparing all the permit applications and obtaining the permits.

Tressler Street Drainage Improvements, Miami-Dade County, Florida – City of North Miami

Engineer of Record for this project. The improvements included upgrading existing drainage infrastructure by installing exfiltration trenches, solid piping, installation of new catch basin structures with baffles, regrading of swale areas, replacement of existing hand built catch basins, swale retrofit, and other Best Management Practices (BMPs) along Tressler Street including pervious pavements for swale reconstruction. He was responsible for preparing permit applications and obtaining the permits.

US-1 Lateral Ditch Restoration, Indian River County, Florida – FDOT, District 4

Project Engineer: He assisted with the preparation of the permit packages, environmental resource permitting and for the wetland impacts. This project included the rehabilitation of 12 outfall ditches. The ditches provide runoff discharge for US-1 and adjacent areas. The purpose of this project was to analyze the existing drainage conditions and re-establish or



improve the original design section for each ditch with the goal of restoring adequate drainage along US-1.

I-95 at 6th Avenue Project Development & Environmental Study (PD&E), Palm Beach County, Florida – FDOT, District 4

Project Engineer responsible for preparation of the Contamination Screening Assessment Report (CSER), as part of Project Development and Environmental (PD&E) Study for improvements to the SR-9/I-95 Interchange at 6th Avenue in the City of Lake Worth, Palm Beach County. CSER prepared in accordance of FDOT PD&E Manual Chapter 22, and the purpose is determine the likelihood and risk levels for petroleum and other hazardous substances within the right-of-way of the project.

Miami-Dade School Board Property at NW 12th Street and 136th Avenue, Miami, Florida – Phase I Environmental Site Assessment – Miami-Dade County Regulatory and Economic Resources Environmental Cleanup, Compliance and Related Services Contract

Environmental Engineer for the Phase I Environmental Site Assessment. He reviewed relevant historical records, which included aerial photographs, Sanborn Fire Insurance Maps, public agency files, interviews, etc., site visit and visual observation of adjoining properties, regulatory records review, data evaluation and report preparation.

Property at 7400 NW 79th Avenue Phase I Environmental Site Assessment, Miami-Dade County, Florida – Miami-Dade County Regulatory and Economic Resources Environmental Cleanup, Compliance and Related Services Contract

Environmental Engineer for the Phase I Environmental Site Assessment. The scope of the project included a review of records from federal, state, and local agencies and from historical sources, aerial photographs and topographic maps, to identify past and present environmental conditions of the subject property and adjoining properties. A site inspection that includes visual observation of the property to determine current site conditions and evidence of environmental issues that may affect the property, and report preparation.

NE 203rd Street and NE 207th Street Phase 1 Environmental Assessment, Broward County, Florida – City of Hallandale Beach

Environmental Engineer: He prepared Phase 1 Environmental Site Assessment for two properties.

Nautilus Neighborhood Improvements Project, Miami-Dade County, Florida – City of Miami Beach

Project Engineer: He performed the hydraulic computations and assisted with preparation of the Basis of Design Report (BODR). The scope of the project included the preparation of the stormwater management design for neighborhood improvement programs, repaving and stripping, streetscape, drainage improvements and water and sewer improvements. The proposed design followed the citywide stormwater master plan for guidance and included the design of injection well systems as well as improvements to the drainage collection systems. Several stormwater pump stations were designed.

SR-710/Beeline Highway from Northlake Boulevard to SR-708/Blue Heron Boulevard, Palm Beach County, Florida – FDOT, District 4

Project Engineer responsible for the drainage design, which includes modifying the existing infield ponds north of SR 710 to accommodate the 10-lane section impervious area; south of SR 710 culverting a borrow canal west of the Turnpike and directing runoff to the Winding Waters Natural Area for treatment and attenuation per the Interlocal Agreement with Palm Beach County. He also performed HEC-RAS modeling of the canal system along the Turnpike.

SR 997/Krome Avenue from SW 312th Street/Campbell Drive to SW 296th Street, 3R – Miami-Dade County, Florida – FDOT, District 6

Project Engineer/Engineer of Record for the drainage design. The scope included milling and resurfacing the entire corridor plus widening to create a standard 5-lane undivided urban typical section with concrete sidewalks on each side. Services include replacing of slab covered trenches with French drains, checking spread and replacing non-standard inlets.

West 77th Street, Miami-Dade County, Florida – City of Hialeah

Project Engineer: He prepared the drainage design and Environmental Resource Permit application. The project included new outfall to the Red Road canal.

Palm Avenue Phase II, Miami-Dade County, Florida – City of Hialeah

Project Engineer: He prepared of drainage design, report and Environmental Resource Permit application.

West 37th Street, Miami-Dade County, Florida – City of Hialeah

Environmental Engineer who prepared the drainage design and Environmental Resource Permit application.

Ravenswood Road from Stirling Road to Griffin Road, Broward County, Florida – Broward County Public Works

Project Engineer who was responsible for the final design of drainage system.



EDUCATION:

M.S. Structural Engineering, Polytechnic University of Puerto Rico, 2012
B.S. Civil Engineering, Polytechnic University of Puerto Rico, 1993

YEARS OF EXPERIENCE

25 Years

YEARS WITH RJ BEHAR

2019 - Present

PROFESSIONAL REGISTRATIONS

- P.E. Florida License 67863, 2008
- P.E. Puerto Rico License 15747, 2005

CERTIFICATIONS

- Certified FHWA Bridge Safety Inspector
- Certified HUD REAC QA Inspector

ENGINEERING EXPERIENCE

Mr. Peña Ramos performs structural engineering calculations and reviews structural plans. His experience includes having worked for the United States Department of Urban Development, United States Coast Guard, United States Army Corps of Engineers (USACOE), Federal Highway Administration (FHWA) and as a consultant all within Florida and Puerto Rico. He has performed project engineering and structural design and support required for the preparation of plans and specifications for civil works projects including bridges, culverts, pump stations, spillways, retaining walls, and ancillary buildings. His project engineering functions have included preparing project schedules and budgets, establishing design criteria, interdisciplinary coordination, internal and external technical review, establishing bid solicitation evaluation criteria, contractor bid evaluation, value engineering, and presenting technical review briefings. He led the USACOE Jacksonville's District National Bridge Inspection Program.

RELEVANT EXPERIENCE

Mast Arm Replacement Weston Road & Emerald Estates Drive, Broward County, Florida – City of Weston

Structural Engineer of Record: He was responsible for preparing the design for construction plans for a Mast Arm Replacement.

SR 845/Powerline Road at NW 59th Court Intersection, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Structural Engineer of Record in charge of preparing the design for construction plans for the special foundation for the mast-arm, a multi-post and light pole foundations.

Florida Mango Road over PBC L-2 Canal Palm Beach County, Florida – Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Structural Engineer who provided quality control reviews of structural calculations of a culvert end walls design and plans.

SR 997/Krome Avenue from SW 312th Street/Campbell Drive to SW 296th Street, 3R – Miami-Dade County, Florida – FDOT, District 6

Structural Engineer who provided quality control review of structural calculations mast-arm design and special notes.

Paint Two Bridges of Turnpike Main Line over CR 709, St. Lucie County, Florida – Turnpike Enterprise

Structural Engineer of Record in charge of preparing the design for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection, prepared the inspection reports and is supervising on the plans preparation.

Paint Two Bridges of Turnpike Main Line over Rim Ditch Canal (C-24), St. Lucie County, Florida – Turnpike Enterprise

Structural Engineer of Record in charge of the design for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection, prepared the inspection reports and is supervising on the plans preparation.

Cypress Weir 1 Gold4A Relocation Design, Collier County, Florida – South Florida Water Management District

Structural Engineer of Record in charge of structural and civil design. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes



a bridge over the Cypress Canal, sheet pile walls, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

Lakeside Community Hurricane Damage Repair, Miami-Dade County, Florida – Town of Medley

Structural Engineer who provided Quality Control Review of structural calculations for design of repairs to damaged seawalls due to Hurricane Irma.

Advanced Wireless Deployment ACT Letter and Structural Analysis, Broward County, Florida – City of Weston

Structural Engineer: He provided Quality Control Review of structural calculations to determine whether the new wireless facilities could be installed on the City of Weston's existing light poles. RJ Behar scope included checking the existing poles for shear, the anchor bolt capacity, the foundations and preparing a letter report with the findings.

Portugés Dam Access Bridge, Puerto Rico – United States Army Corps of Engineers Jacksonville District

Engineer Technical Lead: This bridge consists of a single 83' span Type IV AASHTO girder with CIP deck with two abutments, one anchor on the RCC Dam and the other on the ground bed rock. Mr. Peña performed the design of the girders and concrete deck for this bridge using AASHTO LRFD Bridge Specifications. He was the engineer technical lead, performing QC of all structural design components and seismic analysis. He was also involved in checking the contractors repair procedures during construction.

US 41/SR 90 Bridge on Tamiami Trail, Miami-Dade County, Florida – USACE Jacksonville District

Structural Lead Engineer: Mr. Peña provided an accelerated design review of the first highway design civil works project in SAJ, the US41/SR90 Tamiami Trail Bridge. The Tamiami Trail project includes constructing a one-mile bridge and raising and reinforcing an additional 9.7 miles of road. The project was intended to help Everglades restoration by reconnecting the natural flow of freshwater from Lake Okeechobee south to Florida Bay. This bridge consists of a 5,280', 66-spans, Type IV AASHTO girder with CIP decks and two abutments on piles foundation. Mr. Peña served as the design engineer technical lead, performed QC/QA of all structural components and responsible of the scour protection evaluation and design for the bridge substructure (deep foundation and piers). He also performed the analysis and design verification of the abutments, girders and concrete decks for this bridge using AASHTO LRFD Bridge Specifications.

CSX Railroad Bridge – USACE Jacksonville District

Structural Lead Engineer for a railroad bridge over Kissimmee River. The project consisted of the construction of a new bridge that carries the CSX Railroad across a restored section of the Kissimmee River.

Site 1 Impoundment Culvert – USACE Jacksonville District

Structural Lead Engineer. The purpose of this project is to supplement water deliveries to the Hillsboro Canal by capturing and storing excess water currently discharged to the Atlantic Intra-coastal Waterway.

STA-1E Culverts Modifications, Palm Beach County, Florida – USACE Jacksonville District

Mr. Peña provided engineering support for the failure investigation and repair solutions of the STA-1E Culverts. STA-1E was part of the Everglades Restoration project and is in the C-51 basin.

Jacksonville District's National Bridge Inspection Program (NBIS) - USACE Jacksonville District

Mr. Peña managed the Bridge Inspection Program conducting periodic bridge inspections and performing load ratings of bridges owned by the USACE.

PR-52 Desvio Sur de Ponce, Ponce Puerto Rico – PR Highway and Transportation Authority

Roadway and Structural Design Engineer. Puerto Rico Highway 52 (PR-52) is a major toll road in Puerto Rico today known also as the Autopista Luis A. Ferré. The last segment is known as "Desvio Sur" and was opened in 1996. It has a length of 9 kilometers and connects PR-52 with PR-2 in Ponce. It includes one toll station. Project Cost was \$ 90,000,000.00.

This project included two major bridges.

PR 52 EB over Baramaya St. & Matilde River

These structures consisted of a 1,781.5', 17-span, AASHTO Type V & VI girder bridges with horizontal and vertical curve over column piers and abutments on deep foundations. Mr. Peña served as a support engineer and performed the seismic analysis and design of the decks, cap beams, pier columns, and abutments according to LFD AASHTO Standard Specifications.

Ramp PR 52 over PR 2 & Matilde River

This bridge consisted of a 2,777.6', 26-span, AASHTO Type IV, V & VI girder bridge with horizontal and vertical curve over column piers and abutments on deep foundations. Mr. Peña served as a support engineer and performed the seismic analysis, design of decks, cap beams, pier columns, and abutments according to LFD AASHTO Standard Specifications.

**EDUCATION**

M.S. Environmental Engineering, Florida International University, 2002
 B.S. Chemical Engineering, University of Los Andes, Merida, Venezuela, 2000

YEARS OF EXPERIENCE

18 Years

YEARS WITH RJ BEHAR

2014 – Present

PROFESSIONAL REGISTRATIONS

P.E. Florida License No. 67767, 2008
 Certified Floodplain Manager
 Qualified Stormwater Management Inspector

PROFESSIONAL SOCIETIES

- Tao Chi Alpha – Environmental Engineers Honor Society
- Water Environment Federation
- American Society of Civil Engineers

ENGINEERING EXPERIENCE

Mr. Murzi is a water resources engineer with experience including hydrologic and hydraulic analysis and modeling of rivers and flood control systems, natural resources restoration projects and watershed management. He has extensive experience in roadway drainage design, drainage field inspections, drainage plan reviews and Quality Assurance/Quality Control of water resources models and drainage reports. His experience includes the use of several computer programs such as XPSWMM, HEC-RAS, AdICPR, MIKE SHE/MIKE 11, ASAD, ArcGIS. Mr. Murzi is a Certified Floodplain Manager. He is also member of the ACEC-FL Water Resources Committee. Mr. Murzi serves as one of two District Drainage Engineers for the Central Broward Water Control District. He has completed several projects for the Town of Davie.

RELEVANT EXPERIENCE

I-95 at 6th Avenue Interchange PD&E, Lake Worth, Florida, Florida Department of Transportation (FDOT), District 4
 Project Engineer responsible for the preparation of the Conceptual Drainage Report as part of the PD&E study of the Interchange Improvements. RJ Behar's scope included the preparation of the Interchange Modification Report, Public Involvement, all engineering analyses, Contamination Assessment Report, cost estimates, and preparation of the Preliminary Engineering Report and the Class of Action (Categorical Exclusion Type II) documents.

Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises
 Drainage Engineer responsible for the stormwater management design, AdICR modeling and Pond Siting Report for the project. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report.

Oakhill Culvert Replacement, Broward County, Florida – Town of Davie
 Project Engineer during design and Project Manager during construction. He was responsible for the design, including quantities and cost estimates. The project consisted of the coordination, design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood. Construction is currently pending.

Little Country Estates Stormwater Improvements, Broward County, Florida – Town of Davie
 Project Manager/Lead Engineer for the report preparation and design.

Milling and Resurfacing of the Fleet and Police Parking Lots, Broward County, Florida – City of Coconut Creek
 Project Manager/Engineer of Record who was responsible for plan preparation, quantities and cost estimates. The improvements to each parking lot included the addition of curb to some grass islands, bollards to protect lighting poles, replacing existing sidewalk that was in bad condition, adding root barriers to the trees in the police parking lot, extending the existing concrete ramp at the gate of the police parking lot to make it less steep, providing a new 8' sidewalk on a green area located on the south east corner of the Public Works parking lot, replacing the existing rubber car stops, removing all anchors from the public works parking.

Alhambra Place Drainage Improvements Study, Palm Beach County, Florida – City of West Palm Beach
 Project Manager/Engineer of Record who was responsible for the field visits, data collection, evaluation of existing conditions, evaluation of possible alternatives to mitigate flooding conditions, and preparing a report with the summary of findings and recommendations. Among the alternatives studied were the use of French drains, adding additional inlets and increasing the size of existing outfalls.

Milling and Resurfacings Overlay Exhibits, Miami-Dade County, Florida – City of Doral
 for providing Milling and Resurfacing Exhibits for seven city street locations. The project is



part of the City of Doral's Pavement Maintenance Program.

I-595 Corridor Improvements, Broward County, Florida – FDOT, District 4

Deputy Drainage Lead for the drainage design of 14 miles of corridor improvements. This project is a Public Private Partnership between the Florida of Transportation and ACS Group. The construction value is \$1.362 Billion and is expected to be completed by summer 2014. The project covers 14 miles of roadway improvements along I-595 and a portion of Florida's Turnpike. The improvements include the addition of 3 reversible tolled express lanes, widening of the six lane Interstate, reconstruction of the four-lane divided arterial (SR-84), 68 bridge structures, and improvements to the North New River Canal. Key design components include 8 braided ramp structures, directional connectors between the express lanes and Florida's Turnpike and improvements to three major interchanges.

Stormwater Master Plan Implementation for NW 29th Street and NW 31st Street, Miami-Dade County, Florida – City of Doral

Project Manager responsible for providing drainage improvements to two specific locations identified in the City's master plan as sub basin D-3. He is providing the design of the drainage improvements, permitting, French drains.

Floodplain Mapping Efforts, Broward County, Florida – Broward County/Federal Emergency Management Agency

Drainage Modeler responsible for managing the overall aspects of the project that included data collection and development, GIS data acquisition and analysis, modeling, and development of the final report. The project area encompasses the complete Broward County with some portions of Dade County on the north and Palm Beach County on the south. The scope of services included modification of MIKE SHE/MIKE 11 model for the entire Broward County with new LIDAR based DEM and new Land Use data, calibration and verification of the model using known Hurricane storm events by modifying Structure/Gate openings, Tidal boundaries and Boundary Conditions, simulating the calibrated model for several design storm event scenarios and development of final report.

Cypress Weir 1 Gold4A Relocation Design, Collier County, Florida – South Florida Water Management District

Hydraulics Engineer. He performed the HEC-Ras Modeling of the new structure, the riprap design and the site drainage calculations. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples, FL. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

Miscellaneous Drainage Projects, City of Doral, Florida

Drainage Engineer/Engineer of Record: He was responsible for design of drainage improvements at several locations, supervising the preparation of plans and permitting of the improvements.

Districtwide In-House Consultant Plans Review/Support Services, Fort Lauderdale, Florida – FDOT D4

Drainage Engineer: He was responsible for reviewing the drainage plans. The project included reviews for compliance with FDOT criteria, construction time estimate preparation/review, review of computation booklets, specification packages, cost estimates, etc. The deliverables include review comments in the ERC database, marked-up plans, design exception variation reports, contract time estimates, traffic control plan review/constructability, quantity computations with pay item verifications, utility conflicts, right-of-way encroachments, etc.

SR-5/US-1 Lateral Ditch Restoration, Indian River County, Florida – FDOT District 4

Project Engineer: He assisted with the permit package and with the plans preparation. The permitting included evaluation of impacts to endangered species, mangroves, sea grasses, and oyster reefs. RJ Behar prepared the permit packages and the fill and dredge sketches for permitting of the project.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach

Project Engineer responsible for the preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

NW 87th Avenue, Miami-Dade County, Florida – FDOT District 6

Central Broward Water Control District (CBWCD) Engineer Services, Broward County, Florida – CBWCD

District Engineer responsible for the reviewing plat submittals, paving and grading plans and as-built plans for development permits in the CBWCD. Responsibilities include; ensuring that all site plans comply with CBWCD engineering criteria, review and evaluate requests for variances, provide technical support to CBWCD Board during public hearings for variances request. Site visits are performed as necessary as well as coordination with CBWCD staff in order to ensure that site development requirements are met.

Waterline Design along NE 16th Avenue, NE 146th Street, and NE 18th Avenue, Miami-Dade County – City of North Miami

Project Engineer: He revised the plans and completed the bid packages for the water line plans, and specifications.



HECTOR ROSARIO, E.I.

DRAINAGE DESIGN, TRAFFIC ENGINEERING STUDIES

EDUCATION: B.S. Civil Engineering, Polytechnic University, Puerto Rico, 2003

YEARS OF EXPERIENCE
17 years

YEARS WITH RJ BEHAR
2017 – Present

PROFESSIONAL REGISTRATIONS: Engineer Intern #: 1100022580, 04/24/2019

CERTIFICATIONS: Construction Safety and Health (10 Hrs), OSHA Training Course

Engineering Experience

Mr. Rosario is a skilled civil engineer with expertise in all facets of engineering, transportation projects, and construction management. He has prepared plans for several projects including resurfacing and lighting retrofit projects. He is knowledgeable regarding the collaboration between all team members in order to achieve a project timeline and the financial goals. He has been instrumental in ensuring the compliance of Company practices and OSHA regulations. Mr. Rosario has extensive knowledge of computer based design and project management software applications.

Relevant Experience

Turnpike Widening from Johnson Street to Griffin Road, Broward County, Florida – Florida Turnpike Enterprises

Project Engineer who assisted with the pond siting report, prepared the drainage maps, cross sections, and calculations. RJ Behar is responsible for the Location Hydraulics Technical Memorandum, Stormwater Management Concepts Report, Pond Siting Report/Stormwater Management Alternatives Report and Stormwater Management Design Report.

Milling and Resurfacings Overlay Exhibits, Miami-Dade County, Florida – City of Doral

Project Engineer who was in charge of plans preparation, preparing quantities and cost estimates for Milling and Resurfacing Exhibits for seven city street locations. The project is part of the City of Doral's Pavement Maintenance Program.

Oakhill Culvert Replacement, Broward County, Florida – Town of Davie

Project Engineer who assisted with the design and plans preparation, including quantities and cost estimates. The project consisted of the coordination, design, permitting, and bidding assistance for the replacement of a culvert bridge in the Oakhill neighborhood.

Little Country Estates Stormwater Improvements, Broward County, Florida – Town of Davie

Project Engineer who participated in the plan preparation, drainage calculations, quantities and cost estimates. . The scope of work was to prepare a drainage report analyzing the existing drainage system and provide recommendations to improve the flooding issues within the project area.

MS4 NPDES Stormwater Assessment Program, Miami-Dade County, Florida – City of Hialeah

Project Engineer who assisted with preparing the City Assessment Program annual report. This permit covers all areas located within the political boundary of the City of Hialeah that is served by the MS4 owned or operated by the City. The purpose of this assessment program is to provide information for the City of Hialeah to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

Milling and Resurfacing of the Fleet and Police Parking Lots, Broward County, Florida – City of Coconut Creek

Project Engineer who was responsible for plan preparation, quantities and cost estimates. The improvements to each parking lot included the addition of curb to some grass islands, bollards to protect lighting poles, replacing existing sidewalk that was in bad condition, adding root barriers to the trees in the police parking lot, extending the existing concrete ramp at the gate of the police parking lot to make it less steep, providing a new 8' sidewalk on a green area located on the south east corner of the Public Works parking lot, replacing the existing rubber car stops, removing all anchors from the public works parking.

Alhambra Place Drainage Improvements Study, Palm Beach County, Florida – City of West Palm Beach

Project Engineer who assisted with the calculations, report exhibits and cost estimates. The scope of the work included field visits, data collection, evaluation of existing conditions, evaluation of possible alternatives to mitigate flooding conditions, and preparing a report with the summary of findings and recommendations. Among the alternatives studied were the use of French drains, adding additional inlets and increasing the size of existing outfalls.



Cypress Weir 1 Gold4A Relocation Design, Collier County, Florida – South Florida Water Management District

Project Engineer. He is working on plans preparation for both civil/site and structural plans. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir.

Copans Road Wastewater Transmission System Design, Broward County, Florida – City of Coconut Creek

Project Engineer: He is worked on plans preparation for the wastewater lines and the civil and electrical plans for installation of a new magmeter. This phase included a new force main between LS 12 and an existing metering station which conveys flows east along Sample Road to a termination point at the NRWWTP, and a rehabilitated force main from LS 12 to the connection from the Wynmoor Community, just west of the Florida Turnpike.

NE 3rd Avenue from NE 54th Street to NE 58th Street Water Line Replacement, Miami-Dade County, Florida – Miami-Dade Water and Sewer Department

Project Engineer preparing plans and specifications for design of an 8-inch ductile iron waterline owned by Miami-Dade Water and Sewer Department (WASD) though a Joint Project Agreement with the City. The project included approximately 1,300 linear feet of 8-inch zinc-coated ductile iron pipe and fittings.

Lyons Park Neighborhood Improvement Project, Broward County, Florida – City of Pompano Beach

Project Designer responsible for the preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

TRAFFIC & TRANSPORTATION**Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community**

Traffic Engineer: He was responsible for assisting with the collection of the traffic data for AM and PM peak hour and for the turning movement counts. He assisted with the preparation of the Traffic Analysis Report.

SR 973/Galloway Road Speed Limit Sign Study, Miami-Dade County, Florida – FDOT, District 6

Project Engineer: He was responsible for performing a field review of the study segment to ensure that existing speed limit signs were properly placed, had proper spacing, and checked for uniformity.

Westward Drive Pedestrian Crossing Study, Miami-Dade, Florida – City of Miami Springs

Traffic Engineer: He performed turning movement counts on five intersections to assess the viability of adding marked pedestrian crosswalks.

Bird Road Speed Limit Study, Miami-Dade County, Florida – FDOT, District 6

Project Engineer: He was responsible for performing a field review of the study segment to ensure that existing speed limit signs were properly placed, had proper spacing, and checked for uniformity.

Kendall Drive Speed Limit Study, Miami-Dade County, Florida – FDOT, District 6

Project Engineer: He was responsible for performing a field review of the study segment to ensure that existing speed limit signs were properly placed, had proper spacing, and checked for uniformity.

CONSTRUCTION MANAGEMENT**Pump Stations D-10 & D-11 Flow Analysis and Redesign, Broward County, Florida – City of Fort Lauderdale Public Works Department**

Project Management/Inspector: He was responsible for administering and monitoring the construction for compliance with the plans, specifications and contract documents. He attends meetings, provides daily reports, reviews submittals, reviews MOT, monitors of daily operations, monitors testing and assisting with final closeout. The improvements include installation of new pump station equipment, sewer lining and repair, 150 ft of PVC force mains, with new pumps, new hatches, concrete rehabilitation, interior coating of the wet-well and valve vault, new discharge piping fittings and valves, control panel and electrical system upgrades and associated modifications.

NW 29th Street and NW 31st Street Stormwater Master Plan Implementation, Miami-Dade County, Florida – City of Doral

Senior Inspector: He responded to Requests for Information; performed shop drawing reviews; was on the site full time; inspected for safety and MOT; observed construction for compliance with plans; prepared weekly reports; attended progress meetings; attended the preconstruction meeting; verified quantities and reviewed/approved payment applications; and performed project close-out and certification.



EDUCATION

M.S. Structural Engineering, University of Puerto Rico - Mayagüez Campus, July 16, 2017
B.S. Civil Engineering, University of Puerto Rico - Mayagüez Campus, June 2015

YEARS OF EXPERIENCE

3

YEARS WITH RJ BEHAR

2017 - Present

PROFESSIONAL REGISTRATIONS

Engineer Intern No. 1100023398, 2019

CERTIFICATIONS

OSHA 30 hour Construction Safety and Health

PROFESSIONAL SOCIETIES

Member of American Society of Civil Engineers (ASCE)

ENGINEERING EXPERIENCE

Mr. Cruz Garcia is a graduate of civil engineering with a master's degree in structural engineering. At RJ Behar, he works in the design of structural elements and performs inspections of infrastructure and building projects. He has a thorough understanding of advanced structural engineering and the associated computer skills. His experience has included design of water control structures; miscellaneous structures; signal mast arm foundations; seawall design and rehabilitation; and development of structural applications of metallic, non-metallic or composite materials for ships. He is an expert utilizing MathCAD, Microstation, and AutoCAD software.

RELEVANT EXPERIENCE

Mast Arm Replacement Weston Road and Emerald Estates Drive, Broward County, Florida – City of Weston

Structural Engineer who was responsible for preparing the structural calculations for the design of the mastarm replacement. He analyzed that the design complied with the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and FDOT Structures Manual.

SR 845/Powerline Road at NW 59th Court Intersection, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Structural Engineer who was responsible for the structural calculations and preparing the design for construction plans for the special foundation for the mast-arm, a multi-post and light pole foundations.

SR 25/Okeechobee Road from W. 7th Avenue to NW 36th Street, Miami-Dade County, Florida – FDOT, District 6

Structural Engineer: As part of the post-design services, he was responsible for reviewing the mast arm and overhead cantilever sign shop drawings; reviewing the mast arm design calculations shop drawings; reviewed the cantilever sign foundation shop drawings; reviewed the multi-post foundation shop drawings; designed spread footings for the light pole; and performed the structural design of a barrier wall for pier protection.

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6

Project Engineer who designed and checked shop drawings for the light pole spread footers. He also designed and checked shop drawings for the pedestrian post special foundation detail.

Florida Mango Road over PBC L-2 Canal Palm Beach County, FL - Palm Beach County Department of Engineering & Public Works Division of Roadway Production

Structural Engineer who performed the structural calculations for the culvert end walls design and prepared the plans.

SR 997/Krome Avenue from SW 312th Street/Campbell Drive to SW 296th Street, 3R – Miami-Dade County, Florida – FDOT, District 6

Structural Engineer who provided reviews of the structural calculations for the mast-arm design and special notes.

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County

Project Engineer who was responsible for preparing the structural calculations for the design of mastarms. He analyzed that the design complied with the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and FDOT Structures Manual.

NW 102nd Avenue from NW 138th Street to NW 142nd Street, Miami-Dade County, Florida – City of Hialeah

Structural Engineer who was responsible for the signal modification and the structural calculations.

Retrofit Lighting for 3 Intersection, Palm Beach County, Florida – FDOT, District 4

Structural Engineer who performed the calculations for the light pole spread footing.



Royal Palm Boulevard & Windmill Ranch Road Mast Arm Replacement, Broward County, Florida – City of Weston
Structural Engineer who was responsible for preparing the structural calculations for the design of the mastarm replacement. He analyzed that the design complied with the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and FDOT Structures Manual.

Turnpike Southbound Exit Sign Panel Analysis, Broward County, Florida – FDOT, District 4

Structural Engineer who provided a wind load analysis to evaluate the conditions of the Florida Turnpike southbound exit sign panel when additional vertical members were attached. The calculations provided the analyses for: Vertical Member (Zee Bars), Anchor bolts Connections, Horizontal Member (Zee Bars) on Main Sign, and Overhead Span Sign Structure.

I-95/SR 9 Interchange at 6th Avenue South, Palm Beach County, Florida – FDOT, District 4

He is responsible for the design of the MSE walls.

Cypress Weir 1 (Gold4A) Relocation Design, Naples, Florida, South Florida Water Management District

Structural Designer in charge of structural calculations and structural plans. The project is to relocate Cypress Canal Weir #1 (GOLD4A), in Naples, FL. The new project will include the construction of a new locally and remotely operated water control structure in the new alignment of Cypress Canal, approximately 2000 ft east of the existing weir. The new structure includes a bridge over the Cypress Canal, new gates, control buildings, stilling well platforms on concrete piles and miscellaneous appurtenances.

Paint Two Bridges of Turnpike Main Line over CR 709 in St. Lucie County, Turnpike Enterprise

Structural Designer in charge of preparing construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection and is working on the plans preparation.

Paint Two Bridges of Turnpike Main Line over Rim Ditch Canal (C-24) in St. Lucie County, Turnpike Enterprise

Structural Designer in charge of construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls located on or over the SR 91 (Florida's Turnpike) in St. Lucie County. He conducted the field inspection and is working on the plans preparation.

B 134 Paint Building, Palm Beach County, Florida – South Florida Water Management District

Structural Designer. He provided structural engineering services for the project which included wind loading calculations on the prefabricated building, foundation calculations and reinforcement design. This input will be used in producing plans and SFWMD standard specifications will be used to tailor towards this project. RJ Behar provided input in the engineering design report.

Advanced Wireless Deployment ACT Letter and Structural Analysis, Broward County, Florida – City of Weston

Structural Engineer who provided structural calculations to determine whether new wireless facilities could be installed on the City of Weston's existing light poles. He checked the existing poles for shear, the anchor bolt capacity and the foundations and prepared a letter report with the findings.

Riverview Pump Station, Miami-Dade County, Florida – City of Miami

Structural Designer of foundation slab for new emergency generator.

Booster Stations Seawall Repair #1, Miami-Dade County, Florida – Town of Medley

Structural Designer for designing rows of prestressed soil anchors (or similar drilled-in tiebacks) to provide horizontal resistance for the upper portion of an existing seawall. The repair will run the full length of the south pump station seawall plus roughly 10' on each side of the pump station building. Structural design of the wall will follow the requirements and recommendations of the Florida Department of Transportation Structure Design Guidelines, dated January 2016, Chapter 3 for Retaining Walls. Wall design calculations, assumptions, etc., will be documented in a computation book report. He is also responsible for assisting with hydraulic calculations, estimates of probable cost and permitting.

Lakeside Community Hurricane Damage Repair, Miami-Dade County, Florida – Town of Medley

Structural Designer for designing repairs to damaged seawalls due to Hurricane Irma. Erosion control methods, pollution prevention precautions, and earthwork construction are included in the project. He prepared a comprehensive structural assessment report, identifying any seawall deficiencies along the whole perimeter of the Lakeside Community Center. He participated in preparing the FEMA documents required to secure funding for the repairs.

Inverrary Estates Privacy Wall, Broward County, Florida – City of Lauderhill

He is responsible for the foundation design and structural details of the preparation of Construction Documents for the construction of approximately 2,750 feet of an 8-foot prefabricated privacy wall at Inverrary Estates. The project will also include the continuation of landscape and irrigation design along NW 44th Court and a meandering sidewalk design.

**EDUCATION:**

B.S. in Civil Engineering, Florida Atlantic University, December 2019
 McFatter Technical College Drafting Program, December 2015

YEARS OF EXPERIENCE

2

YEARS WITH RJ BEHAR

2019 – Present

PROFESSIONAL REGISTRATIONS: Engineer Intern No. 1100023421, 2019

ENGINEERING EXPERIENCE

Ms. Ledan is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. She has experience with AutoCAD, MicroStation, Civil 3D and Synchro. She is currently preparing roadway plans in Microstation and calculating quantities.

RELEVANT EXPERIENCE**Alhambra Place Drainage Improvement Study, Palm Beach County, Florida – City of West Palm Beach**

Project Designer: She was responsible for creating a figure in AutoCAD for an existing conditions drainage map to be included in the report.

45 Year Community Development Block Grant, NW 7th Avenue and 3rd Court Drainage, Broward County, Florida – City of Hallandale Beach

Project Engineer: She was responsible for preparing the plans for roadway and drainage improvements.

Lyons Park Neighborhood Improvement Project Final Design, Broward County, Florida – City of Pompano Beach

Project Designer responsible for assisting with the plan's preparation of the stormwater design of the proposed improvements. The project area suffers from flooding problems as documented in the City Stormwater Master Plan (SWMP). This project intends to improve the drainage systems within the project area.

S-135 By-Pass Culvert Abandonment and Dike Repairs, Palm Beach County, Florida – SFWMD

Project Designer assisting with plans preparation.

Russian Colony and Seawall Expansion Programming Documents, Miami-Dade County, Florida – Town of Medley

Project Designer: She is assisting with the plan's preparation.

Charles Avenue from SW 37th Avenue to Main Highway, Miami-Dade County, Florida – City of Miami

Project Designer: She assisted with plans preparation, drainage design plans and calculations. Scope of services includes project management, investigation, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements.

Paint Bridge Nos. 940049 and 94082 (Rim Ditch) TWO #2, St. Lucie County, Florida – Florida Department of Transportation (FDOT), Florida Turnpike Enterprise

Project Designer assisting with the plan's preparation for construction plans and specification package to facilitate the repainting of the structural steel components and the recoating of the concrete surfaces of the bridges and adjacent walls.

SW 136th Street from US-1 to Old Cutler Road, Miami-Dade County, Florida – Village of Palmetto Bay/FDOT, District 6

Project Designer: She assisted with plans preparation, drainage design plans and calculations. Scope of services includes project management, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements. She also attending the Public Meeting.

City Center and Traffic Signal Warrant Analysis, Broward County, Florida – City of Pembroke Pines

Traffic Engineer: She assisted with the data collection of the AM and PM peak hour counts and for the turning movement counts. She then assisted with downloading the data from Synchro to obtain the calculations for the Signal Warrant Analysis Report.

G-370 and G-372 Refurbishment Project Inspection, Palm Beach County, Florida – South Florida Water Management District

Project Designer: She performed fields visit and prepared the quantities.





EDUCATION

B.S. Civil Engineering, Florida International University, 2012

YEARS OF EXPERIENCE

6 Years

YEARS WITH RJ BEHAR

2014 – Present

PROFESSIONAL REGISTRATIONS: Engineer Intern #: 1100019645, 2016

CERTIFICATIONS:

Earth Work I & II
Asphalt Paving Level I & II
Asphalt Plant I
Final Estimates I & II
Drilled Shaft Inspector
Pile Driving Inspector
Advanced Maintenance of Traffic

TIN #: L500540877610

FDOT Concrete Field Technician Level 1
ACI Concrete Field Technician
Stormwater Erosion Sedimentation Control Inspector
US DOT Hazmat Certification Class
APNGA Portable Nuclear Gauge Safety
FDOT Critical Structures
FDOT MSE Wall

PROFESSIONAL SOCIETIES

Member of Society of Hispanic Professional Engineers
American Society of Civil Engineers

ENGINEERING EXPERIENCE

Ms. Leon has been responsible for data collection, turning movement counts and compiling the data to run in the Trafficware programs. She has expertise with running Synchro and Corsim software. Ms. Leon also is a project engineer who performs plans preparation for roadway and drainage design project. She performs construction engineering inspection for infrastructure projects, which includes reviewing the contractor's operations, field measurements, recording changes made during construction, reviewing and approving as-built conditions and documentation of construction progress on a daily basis. She is responsible for documenting the construction progress with daily reports in the Primavera Expedition and E-Builder systems. She is proficient in multiple software applications including AutoCAD and AutoCAD 3D, Microstation and GeoPak.

RELEVANT EXPERIENCE

NE 3rd Avenue/Progresso Drive/Florida East Coast (FEC) Railroad Crossing Traffic Study, Broward County, Florida – Broward County Public Works Department

Project Engineer: She performed the Synchro model runs for a traffic study to evaluate needs for improvements at the NE 3rd Avenue railroad crossing.

City Center and Traffic Signals Warrant Analysis, Broward County, Florida – City of Pembroke Pines

Data Collection Technician: She performed the traffic counts including turning movements counts.

SR-5/US-1 Riviera Drive to Kendall Dr Traffic Counts TWO #19, Miami-Dade County, Florida – Florida Department of Transportation (FDOT) District 6

Data Collection Technician: She was responsible for traffic counts during peak intervals of the day. The purpose of this task work order was to collect vehicular volume counts and obtain travel time/delay data along SR-5/US-1/South Dixie Highway between Riviera Drive and Kendall Drive to be used in traffic signal retiming tasks for Miami-Dade County.

Traffic Data Collection NW 107th Avenue, NW 12th Street, Miami-Dade County, Florida – FDOT, District 6

Data Collection Technician who was responsible for performing traffic counts during peak intervals of the day. The purpose of this task work order was to collect vehicular volume counts and obtain travel time/delay data along NW 107th Avenue and 12th Street in the areas of the Dolphin Mall and International Mall, including several intersections. The collected data was used in traffic signal retiming tasks for Miami-Dade County.

SR-860/Miami Gardens Drive/NW 186th Street Intersection Quality Assessment, Miami-Dade County, Florida – FDOT, District 6

Data Collection Technician: She obtained the traffic Data collection (72-Hr continuous traffic counts). The purpose of this task was to evaluate the location and determine the need for a traffic signal/pedestrian crossing at SR 860/Miami Gardens

Drive/NW 186th Street. Furthermore, it was to assess the operational and safety conditions at this intersection and to make recommendations for improvements and/or further study if necessary.

West Avenue Neighborhood Improvements, Miami-Dade County, Florida – City of Miami Beach

Project Engineer: She prepared plans for sanitary sewer and water design. She also inspected the pressure testing of the waterlines on the project. The proposed project involves the design and construction of the neighborhood improvements. RJ Behar was responsible for the design of water and sewer, maintenance of traffic and signalization. Services included plan design services for water and sewer, erosion control plans and Stormwater Pollution Prevention Plans (SWPPP) for the West Avenue Neighborhood.

Lyons Park Neighborhood Improvements Project, Broward County, Florida – City of Pompano Beach

Project Engineer for the neighborhood survey to inspect the property backyards and locate the sanitary line services and clean outs within the property easements. The scope of services included the Basis of Design Report (BDR), stormwater design, and sanitary sewer design of the wastewater collection system, design of proposed water improvements, utility coordination, permitting, and cost estimating.

SCADA Stilling Wells Engineering Services, Palm Beach County, Florida – South Florida Water Management District

Designer who assisted with the drafting portion of the design of steel platforms using pile foundations for access to SCADA stilling wells districtwide for the SFWMD.

SR-836 Widening, Miami-Dade County, Florida – Miami-Dade Expressway Authority

Project Engineer who assisted with the drainage analysis and permitting. The scope of this project was a SEIR study. RJ Behar was responsible for performing the typical section package, variance package, and drainage analyses for a 5 mile section of SR-836.

US-1 Lateral Ditch Restoration, Indian River County, Florida – Florida Department of Transportation (FDOT), District 4

Project Engineer: Her responsibilities included the preparation of the plans for the rehabilitation of twelve outfall ditches in Indian River County. She was responsible for preparing the plans in Microstation. The ditches provide runoff discharge for US-1 and adjacent areas. The purpose of this project is to analyze the existing drainage conditions and re-establish or improvement of the original design section for each ditch with the goal of restoring adequate drainage along US-1.

NW 35th Avenue Greenway Enhancement, Broward County, Florida – City of Lauderhill

Project Inspector: She was responsible for providing construction engineering and inspection support services for conversion of a jogging path to a Greenway on NW 35th Avenue from North of Broward Boulevard to NW 5th Place. The project includes construction of decorative edge treatment bounding both sides of the greenway, seven asphalt connections to the existing path, signing and pavement marking improvements for bicycle traffic, landscaping, and pedestrian lighting.

Gilbert Samson Ocean Front Park, Miami-Dade County, Florida – City of Sunny Isles Beach

Construction Inspector/Resident Project Representative: She was responsible for overseeing the construction of a sanitary sewer grinder pump with connection to Dade County Facilities and new driveway access from a Florida Department of Transportation road, Collins Avenue. The project also included architectural plans for the addition of two bathroom stalls, full plumbing and electrical upgrades. She was also responsible for overseeing the landscaping in the park, including a new stage installed on the site. The project also included all new exterior and interior lighting.

SW 212th Street Drainage CEI Services, Miami-Dade County, Florida – Town of Cutler Bay

Inspector: She oversaw the drainage improvements being installed on SW 212th Street. She is keeping daily records of all construction activities and ensuring the construction is being installed as per the plans and specifications. *Cost/Fees Paid:*

US-1/Federal Highway Beautification, Local Agency Program (LAP) Project, Delray Beach, Florida – City of Delray Beach/FDOT, District 4

Inspector: She was responsible for checking the dimensions of the sign panels to make sure they comply with the MUTCD and FDOT Design Standards, pre and post installation. This project included widening for a street parking area, the addition of a 4-foot bike lane, new turn left turn lane, new sidewalks, curb and gutter, decorative lighting, milling and resurfacing, including some overbuild areas, pavement markings, drainage modifications, construction of bulb-outs in the radius returns of the side streets, sidewalks, new traffic signal loops at all intersections, new underground traffic signal interconnect system, irrigation, and landscaping.


EDUCATION

B.S. Civil Engineering, Florida Atlantic University, August 2019

YEARS OF EXPERIENCE

1

YEARS WITH RJ BEHAR

2019 – Present

ENGINEERING EXPERIENCE

Mr. Martinez is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. He has experience with AutoCAD Civil 3D and Microstation OpenRoads. He is currently preparing roadway plans in Microstation and calculating quantities.

RELEVANT EXPERIENCE
SR 25/Okeechobee Rd from W. 7th Avenue to NW 36th Street, Miami-Dade County, Florida – Florida Department of Transportation (FDOT), District 6

Project Designer: He assisted with plan revisions. The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. There were no drainage modifications within those limits. Special intersection lighting is scheduled for this intersection in the near future.

I-95 at 6th Avenue South Final Design, Palm Beach County, Florida – FDOT District 4

Project Designer who assisted with plan revisions. The project also includes milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure.

NW 102nd Avenue from NW 138th Street to NW 142nd Street, Miami-Dade County, Florida – City of Hialeah

Project Designer who assisted with plans preparation. The scope includes roadway reconstruction of a three-lane roadway with dual left turn lanes, curb and gutter type F, valley gutter, new sidewalks, combination of swale and exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting. The lighting design consisted of conventional cobra head lighting.

LS-1801 Lakeside Community – Lakeshore Drive Repairs (Hurricane Irma), Miami-Dade County, Florida – Town of Medley

Project Designer who assisted with plans revisions. Erosion control methods, pollution prevention precautions, and earthwork construction are included in the project. The scope included a comprehensive structural assessment report, identifying any seawall deficiencies along the whole perimeter of the Lakeside Community Center.

Cypress Weir GOLD4A Relocation Design, Palm Beach County, Florida – South Florida Water Management District

Project Designer who revised the CAD drawings and made corrections to the general notes. He implemented structural, mechanical, and electrical markups to the plans. The replacement structure will be based on SFWMD design and construction guidelines. The new structure will include three new slide/weir gates, a three-cell box culvert to be used as a bridge, new stilling wells, a 10 ft x 10 ft control room, communications and miscellaneous appurtenances. The bridge will be 24 ft wide.

SW 136th Street from US-1 to Old Cutler Road Local Agency Program (LAP) Project, Miami-Dade County, Florida – Village of Palmetto Bay/FDOT, District 6

Project Designer: He prepared the roadway design and geometrics, pavement signing and markings, assisted with the quantities for the asphalt. He quantified the impervious and pervious areas for post and predevelopment. The project involves roadway plans, pavement marking and signing plans, utility coordination, drainage design and permitting. The improvements will require milling and resurfacing of the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project is accommodating the proposed sidewalks and bicycle lanes in a right-of-way constrained corridor.

Planning and Conceptual Study for NW 106th Street, Miami-Dade County, Florida – Town of Medley

Project Designer who assisted with plans preparations.





XAMARAH VELEZ SEDA

MAJOR HIGHWAY DESIGN, SIGNING, PAVEMENT MARKING, & CHANNELIZATION

EDUCATION:

M.S. Engineering Management, Polytechnic University of Puerto Rico, San Juan, 2018
B.S. Civil Engineering, University of Puerto Rico, Mayagüez, 2015

YEARS OF EXPERIENCE

4 years

YEARS WITH RJ BEHAR

2017 – Present

ENGINEERING EXPERIENCE

Ms. Seda-Velez is an engineer currently working in design and plans preparation for miscellaneous civil engineering projects. She has experience with inspection and evaluation of structures. She is proficient in Microsoft Office Suite, Microsoft Project, AutoCAD Civil3D, Sketchup, Synchro, Primavera, VBA, Minitab17 and SAP2000.

RELEVANT EXPERIENCE

I-95 at 6th Avenue Design, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4
Project Designer: She is assisting with the plan's preparation. The project also includes milling and resurfacing, adding bike lines, upgrading roadway signs and curb ramps to meet the current ADA standards, adding exclusive right turn lanes, and modifications to existing CSX tracks and overhead railroad structure

Charles Avenue from Main Highway to South Douglas Road, Miami-Dade County, Florida – City of Miami

Project Designer: She assisted with plans preparation, drainage design plans and calculations. The scope of services included project management, investigation, roadway analysis and plans, signing and pavement marking, permitting, utility coordination, and civil engineering services necessary for roadway and drainage improvements.

NW 102nd Avenue from NW 138th Street to NW 142nd Street, Miami-Dade County – City of Hialeah, Florida

Project Designer. She was responsible for drainage design plans, signing and pavement marking plans, and cross sections. The scope of services for the improvements included roadway plans, signing and pavement marking plans, drainage report and estimates of probable of construction cost.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah, Florida

Project Designer: She is responsible for drainage design plans, signing and pavement marking plans, and cross sections. The scope of services for the improvements includes roadway plans, signing and pavement marking plans, drainage report and estimates of probable of construction cost.

SW 35th Avenue from SW 29th Street to SW 28th Street, Miami-Dade County, Florida – City of Miami

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, ADA ramps where applicable, new sidewalk where required and new signing and pavement markings, utility coordination, and environmental permitting.

SW 34 Avenue and SW 28 Street Intersection Improvements Project, Miami-Dade County, Florida – City of Miami

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, ADA ramps where applicable, new sidewalk where required and new signing and pavement markings, utility coordination, and environmental permitting.

NW 21st Court from NW 36th Street to NW 38th Street Roadway Improvements Project, Miami-Dade County, Florida – City of Miami

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, replacement of damaged sidewalks and driveway approaches, ADA ramps where applicable, new sidewalk where required and new signing & pavement markings, utility coordination, environmental permitting.

NE 3rd Avenue from NE 54th Street to NE 58th Street Improvements, Miami-Dade County, Florida – City of Miami

Project Designer: She is assisting with plans preparation, drainage design plans and calculations. The project scope of services includes roadway milling and resurfacing, localized drainage improvements, replacement of damaged sidewalks and driveway approaches, ADA ramps where applicable, new sidewalk where required and new signing & pavement markings, utility coordination, environmental permitting.

Russian Colony and Seawall Expansion Programming Documents, Miami-Dade County, Florida – Town of Medley

Designer: She is assisting with the plan's preparation.

I-595 Mobility Hub Park and Ride Lot Modifications, Broward County, Florida – FDOT, District 4

She assisted with assembling the plans for submittal. These improvements required modifications to the existing drainage, lighting, signing and pavement markings, and landscaping.


EDUCATION:

B.S. Civil Engineering, Florida Atlantic University, 2019

YEARS OF EXPERIENCE

2 Years

YEARS WITH RJ BEHAR

2020 - Present

PROFESSIONAL SOCIETIES

American Society of Civil Engineers

ENGINEERING EXPERIENCE

Mr. Saint Vil is a young engineer currently working in design and plans preparation for miscellaneous civil engineering projects. He has extensive knowledge in computer based design and project management software applications; including Microstation, Civil 3D, AutoCAD, PVT Vissim, and Revit. At RJ Behar, he is utilizing his skills to prepare plans for final design including signing and pavement marking, temporary traffic control plans (TTCP), cost estimates, and calculations..

RELEVANT EXPERIENCE
SR-704 and Coconut Row Curb Ramp Improvements, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Project Engineer who is responsible for preparing the design for upgraded pedestrian crossings to meet ADA criteria, which includes performing lane closure analysis and Temporary Traffic Control Plans (TTCP).

NW 97th Avenue from NW 90th Street to NW 106th Street Preliminary Justification Report, Miami-Dade County, Florida – Town of Medley

Project Engineer responsible for preparing the conceptual layouts for multiple proposed alignments for the Preliminary Justification Report.

US-27 at Griffin Road and Pines Boulevard Intersections Advanced Warning Beacon Installation, Broward County, Florida – FDOT, District 4

Project Engineer who designed the advanced flashing signal warning beacon systems on the approaches to the intersections of Griffin Road and Pines Boulevard with US-27.

I-95 from Palm Beach Lakes Boulevard to S. of 45th Street Guardrail Installation, Palm Beach County, Florida – FDOT, District 4

Project Engineer who prepared design plans for the installation of guardrail along various locations on the southbound lanes of I-95 to prevent errant vehicles from exiting the right-of-way onto Village Boulevard.

Congress Avenue over Lake Worth Drainage District (LWDD) L-32 Canal Improvements, Palm Beach County, Florida – Palm Beach County Engineering & Public Works Roadway Division

Project Engineer who prepared the design for removing the barrier wall and guardrail to provide access to LWDD L-32 canal.

SR-5 & 49th Street Intersection Improvements, Palm Beach County, Florida – FDOT, District 4

Project Engineer who prepared Prepared Design for upgraded pedestrian crossings to meet ADA criteria. Includes performing lane closure analysis, TTCP, and Signing and pavement markings.

SR-710 from Northlake Boulevard to Blue Heron BLVD. Widening, Palm Beach County, Florida – FDOT, District 4

Project Engineer who designed the profiles for swales along the MSE walls along the proposed widening of the Florida Turnpike from MP 31.99 to MP 33.55. The scope includes roadway and drainage design for the Turnpike reconstruction segment, structural design of retaining walls at the Turnpike bridge approaches, as well as collecting traffic counts. RJ Behar developed the 8-lane vertical and horizontal geometry for final design and developed the preliminary 10-lane section in order to locate features such as permanent retaining walls. The expansion of the Turnpike has to occur mainly on the west side of the right-of-way due to the existing location of gas lines on the east side of the right-of-way.

PAST EXPERIENCE
Roadway Design Intern, Propel Engineering, Inc. – 2018-2020

Engineering Intern who assisted with roadway design, plans production, cost estimates, reviewing and drawing plans according to standards in MicroStation.

Capstone Project – 2019

He designed a pump station for the C-139 flow equalization basin (FEB) for the South Florida Water Management District and prepared a Traffic Impact Study for Okeechobee Boulevard.





NANETTE AKYAZ-GOMEZ SENIOR DESIGNER

EDUCATION

A.A. Degree Broward Community College, Davie, Florida, 1992

YEARS OF EXPERIENCE

27 Years

YEARS WITH RJ BEHAR

2001 - Present

ENGINEERING EXPERIENCE

At RJ Behar, Ms. Akyaz Gomez is our teams' most experienced highway designer. She has experience in design and plans preparation for large highway engineering projects, using MicroStation and Geopak software. Her design skills include development of complex highway alignment, integrating drainage and utility information, digital plan submittals and participation in plan review and quality control efforts using District 4's ERC module.

RELEVANT EXPERIENCE

NE 151st Street Improvements, Miami-Dade County, Florida – Oleta Partners LLC/Miami-Dade County

Designer. She is responsible for roadway design plans. The scope of the project included roadway design, Temporary Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, utility coordination, contamination assessment and wetland delineation/assessment.

Palm Avenue from W. 45th Street to W. 47th Street , Miami-Dade County, Florida – City of Hialeah

Roadway Designer: She prepared the plans for milling and resurfacing. The project also included adding curb ramps to comply with ADA standards, replacing sidewalk, driveways and curb and gutter as needed, cleaning, sealing and adjusting drainage manholes and inlets and signing and pavement markings.

Haverhill Road from N. of Caribbean Boulevard to Bee Line Highway, Palm Beach County, Florida – Palm Beach County Engineering

Project Designer: She was responsible for roadway design plans. The scope of services included drainage improvements, signalization, pavement and marking, utility coordination and permitting.

Design-Build for the Reconstruction of SE 3rd Street, Palm Beach County, Florida – Florida Department of Transportation (FDOT), District 4

Project Designer: She was responsible for the production of roadway plans, signing and pavement marking plans and quantities. The scope of this project included roadway plans, drainage design, signing and marking plans and utility relocation plans. The design included the use of filter fabric and a thick sub-base in lieu of demucking the roadway.

Northlake Boulevard Bridge over the Loxahatchee Slough, Palm Beach County, Florida – Palm Beach County Engineering

Roadway Designer who was responsible for the geometrics, signing and pavement markings, weir placement and grading of the channel and walkway, quantity calculations and cost estimates. The project consisted of reconstruction of a four lane divided highway, construction of a bridge, weir and walkway.

I-75/Griffin Road (SR-818) Interchange, Broward County, Florida – FDOT, District 4

Roadway Designer: The scope consisted of improvements including modifications to the interchange by realigning the I-75 ramps to converge at a new signalized intersection. Her responsibilities included the geometrics, signing and pavement markings, signalization and long range estimates.

SR-845/Powerline Road, Palm Beach County, Florida – FDOT, District 4

Roadway Designer: She was responsible for the preparation of roadway quantities, computation book and transport input. The scope included complete design for widening and resurfacing of 3 miles of a major arterial roadway, including; drainage design, pavement marking and signing, overhead signing plans, lighting plans, seven signal locations, structural plans (bridge widening), a public involvement program and landscape improvements. Project length: 3 mi

SR-A1A Resurfacing Project, Palm Beach County, Florida – FDOT, District 4

Project Designer for roadway improvements. She was responsible for the signing and marking plans. The project included major drainage study and improvements, milling and resurfacing, bridges, signal improvements, signing and marking plans

SR-5/US-1/Biscayne Boulevard Resurfacing from NE 199th Street to NW 213th Street, Miami-Dade County, Florida – FDOT, District 6

Project Designer responsible for the production of the roadway plans. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades.

SR-5/US 1/Biscayne Boulevard Intersection Improvements, Miami-Dade County, Florida – FDOT, District 6

Project Designer responsible for the production of the roadway plans. The scope of services included milling and



resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades.

SR-5/Biscayne Boulevard from North of NE 121st Street to NE 151st Street, Miami-Dade County, Florida – FDOT, District 6

Project Designer responsible for the production of roadway plans. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian feature upgrades, with improved signalization configuration.

SR-5/US-1/Overseas Highway from Fontaine Drive to S. of Tavernier Creek Bridge, Monroe County, Florida – FDOT, District 6

Project Designer responsible for the roadway plans: The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian features upgrades. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the Typical Section was modified to accommodate bicycle lanes without widening.

NW 87th Avenue, Miami-Dade County, Florida – FDOT, District 6

Roadway Designer: She assisted with roadway design and was responsible for quantities. The scope of services for this project includes Roadway/Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, bridge construction, utility coordination, traffic study, traffic counts, traffic projections, and traffic warrants services.

SR-7/US-441 Roadway Lighting and NW 11th Place Pedestrian Lighting Improvements, City of Lauderhill, Florida – FDOT, District 4; Local Agency Program (LAP) Project

Project Designer: She was responsible for the plans preparation. The scope of this project included milling and resurfacing, installation of decorative stamped concrete and asphalt, lighting, landscaping, and street furniture.

US-1/SR-5, St. Lucie County, Florida – FDOT, District 4

Roadway Designer who was responsible for the signalization plans.

NW 146th Street/North Miami Avenue/S River Drive Roundabout, Miami-Dade County, Florida – Miami-Dade County Public Works Traffic Engineering Division

Roadway Designer: She assisted in the preparation of layout and final construction plans for a roundabout based on Miami-Dade County roadway design criteria in the City of North Miami. The roundabout connects N. Miami Avenue, South River Drive and NW 146th Street. The purpose of the project was to provide traffic calming in this neighborhood.

Flashing School Signal Design Group 5, Miami-Dade County, Florida – Miami-Dade County Public Works Department Traffic Engineering Division

Roadway Designer: She prepared the layout and final signal plans for eleven elementary schools for Miami-Dade County Public Works within the Cities of Miami, Hialeah, Hialeah Gardens, Miami Lakes, and Miami Springs.

SR-80/Southern Boulevard from Forest Hill Boulevard to SR-7, Palm Beach County, Florida – FDOT, District 4

Roadway Designer: The project consisted of reconstruction of a 3-mile, 6-lane, divided urban highway. Her responsibilities included drafting of the roadway plans, drainage, traffic control, signalization, utility relocation, signing and marking and lighting plans.

SR-68 Orange Avenue from 13th Street to Indian River, St. Lucie County, Florida – FDOT, District 4

Roadway Designer: The project consisted of major reconstruction of 1 mile of a 4-lane undivided highway for the City of Fort Pierce and FDOT, District 4 (1999). Responsible for the drafting of roadway plans, traffic control, signalization, utility relocation, as well as the design and drafting of signing and marking and lighting plans including lighting calculations.

SR-615 from Avenue Q to US-1, St. Lucie County, Florida – FDOT, District 4

Roadway Designer: The project consisted of major reconstruction of 2.5 miles of a 6-lane divided highway for FDOT, District 4. She was responsible for the drafting of roadway plans, drainage, traffic control, signalization, utility relocation, signing and marking and lighting plans.

SR-804, Boynton Beach Boulevard from US-1 to A1A, Palm Beach County, Florida – FDOT, District 4

Roadway Designer: The project consisted of major reconstruction of 1 mile of a 4-lane divided highway including a bascule bridge replacement (by other). Responsible for the drafting of roadway plans, drainage, traffic control, signalization, utility relocation, signing and marking, lighting and directional drilling water main replacement plans.

SR-811, Wilton Manors Drive from South of the South Fork Middle River Canal to Dixie Highway, Broward County, Florida – FDOT, District 4

Roadway Designer: The project consisted of widening and reconstruction of 2 miles, milling and resurfacing, drainage improvements and bridge replacement. Her responsibilities included drafting of the bridge plans and signing and marking plans.



JAIME DELGADO

UTILITY COORDINATION, DATA COLLECTION

EDUCATION

B.S. Graphic Design, Corporación Universitaria Taller Cin, Colombia, 1993

YEARS OF EXPERIENCE

27 Years

YEARS WITH RJ BEHAR

2018 – Present

ENGINEERING EXPERIENCE

At RJ Behar & Company, Mr. Delgado performs all of the utility coordination on all projects. He is responsible for locating, contacting, and organizing all of the Utility Owner's on the project. He is fluent in MicroStation and AutoCAD. He also performs graphic design. Additionally, he has been involved in traffic studies including 24 hour counts and turning movement counts.

RELEVANT EXPERIENCE

Emergency Operations Center (EOC) Broward County – Traffic Study – Broward County HCDE

Data Collection Technician: He performed the traffic counts including turning movements counts at the following locations: Pine Island Road and County Campus Boulevard; NW 84th Avenue and County Campus Boulevard; and County Campus Boulevard at the entrance to Broward County EOC.

City Center and Traffic Signals Warrant Analysis – City of Pembroke Pines, Florida

Data Collection Technician: He performed the traffic counts including turning movements counts

Cobblestone Community Traffic Study, Broward County, Florida – Cobblestone Community

Data Collection Technician: He performed the traffic counts including turning movements counts. A Traffic Analysis Report was provided.

Fiber Optic Communication Cable for Various Locations, Broward County, Florida – Florida Department of Transportation (FDOT), District 4

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

NW 21st Court from NW 36th Street to NW 38th Street, Miami-Dade County, Florida – City of Miami

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

Oakhill Culvert Replacement SW 142nd Street and SW 17th Street, Broward County, Florida – Town of Davie

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

Pedestrian Lighting Design, Broward County, Florida – City of Coconut Creek

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

NW 102nd Avenue from NW 142nd Street to NW 145th Place, Miami-Dade County, Florida – City of Hialeah

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

SW 136th Street from US-1 to Old Cutler Road, Miami-Dade County, Florida – Village of Palmetto Bay

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.

Stormwater Improvements Area West of Hiatus Road Little Country Estates & Grove Estates, Broward County, Florida – Town of Davie

Utility Coordinator: He was responsible for starting a Sunshine Ticket to identify the Utility Owner's within the project limits. He then sent out notification letters, contacted all utilities, sent plans, followed up with all of the owner's and then presented the locates to the designing engineer.



Jessica McRory, PE, LEED AP

SENIOR GEOTECHNICAL ENGINEER

Contact Information

813.944.3464

jmcrory@arehna.com

5012 W. Lemon Street
Tampa, Florida 33609

Licenses

Professional Engineer
Florida Registration No. 68440

LEED Accredited Professional

Experience

16 years total
11 years with AREHNA

Education

Master of Science, Civil Engineering
Geotechnical Concentration
University of South Florida, 2004

Bachelor of Science, Civil Engineering
University of South Florida, 2003

Career Summary

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects over the last 16 years. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from task order contracts to large FDOT projects. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and augercast piles.

Project Experience

Districtwide Minor Design Contract, District Four, Florida Ms. McRory serves as a senior geotechnical engineer and contract manager for this task-order contract. Projects have included roadway, drainage and lighting improvement projects.

Broward Mobility Projects, Broward County, District Four, Florida Ms. McRory serves as the contract manager for this these projects. These projects have included intersection enhancements, roadway widenings and bridge replacements.

Broward County Mast Arm Conversions, Phase II, Broward County, Florida Ms. McRory served as the Senior Geotechnical Engineer responsible of providing geotechnical engineering services for this design build project, which consisted of the conversion of 15 existing intersections to mast arm traffic control signals and the improvement of the intersection asphalt pavement. Geotechnical scope provided the following: Mast arm foundation design parameters, Pavement and base coarse layer thicknesses, and Recommendations for milling and resurfacing.

SR 84 I-595 at NW 136th Avenue Bridge Replacement, District Four, Broward County, Florida Ms. McRory served as a Senior Geotechnical Engineer for this off-system project which includes a bridge replacement, new turn lanes and overhead sign structures.

SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd. District Four and Turnpike, Palm Beach County, Florida Ms. McRory is serving as a geotechnical engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, FDOT District 4, Palm Beach County, Florida Ms. McRory serves as the contract manager and provides geotechnical engineering support and for this project which includes a bascule bridge replacement and new retaining walls. Evaluation includes reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties, bridge foundation analyses and recommendations, and roadway improvements.

NE 23rd Ave over Ibis Waterway Bridge Replacement, District Four, Broward County, Florida Ms. McRory served as a Senior Geotechnical Engineer for this off-system bridge replacement project, which includes evaluating the impacts of temporary vibrations imparted by construction to the adjacent properties.

I-95 at SR-838/ Sunrise Blvd Interchange Improvements, District Four, Broward County, Florida Ms. McRory is serving as the Senior Geotechnical Engineer for this interchange improvements project, which includes bridge several widenings and new retaining walls.

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Jessica A. McRory, PE, LEED AP

Brant Bridge Replacement, Off-System Bridge, FDOT District 4, Palm Beach County, Florida Ms. McRory served as a Senior Geotechnical Engineer for project which consisted of resurfacing and the widening Brant Road to add bike and pedestrian paths. Reducing the impacts of temporary vibrations imparted by construction operations is a high priority for this project.

Broward County Transit, Far-side NB Bus Bay at University Drive and Miramar Parkway Broward County, Florida Provided structural services for the design of a sheet pile retaining wall along a canal to accommodate a new bus bay. Ms. McRory served as the project manager.

Four Off-system Bridge Replacements, Palm Beach County, Florida AREHNA is provided geotechnical engineering for this project that consists of improvements to four off-systems bridges throughout Palm Beach County. Our field exploration consisted of a program of Standard Penetration test borings and pavement cores to provide information for bridge foundation and pavement design. The sites are in high traffic volume, residential areas. Due to the presence of existing residences nearby, reducing the impacts of temporary vibrations imparted by construction operations is a high priority. Ms. McRory served as a Senior Geotechnical Engineer.

I-275 Segment 1A Reconstruction, District Seven, Hillsborough County, Florida The project consisted of the reconstruction of an existing high-volume, multi-lane interstate highway, which provides an essential artery from Tampa to St. Petersburg, Florida. The project was comprised of several bridge structures, retaining wall structures, retention ponds, a 3,000-foot box culvert and an extensive realignment of the existing interstate roadway. As Project Manager, Ms. McRory was responsible for client interface, processing task orders, performing geotechnical evaluations, reporting and quality reviews.

I-75 SR52 to the Hernando County Line, District Seven, Pasco County, Florida Ms. McRory was a senior geotechnical engineer and performed quality oversight for this design build project. The project includes 16 lane-miles of interstate widening and associated infrastructure. Geotechnical challenges include the evaluation of the post-construction impacts of perched groundwater levels, the presence of high plasticity clays, and the interpretation of corrosion testing results with respect to jack and bore steel carrier pipes. The project also includes ponds for stormwater retention as well as flood plain compensation. Culvert extensions as well as new signage and ITS are also components of the project.

Districtwide Minor Design Contract, District Seven, Florida Ms. McRory serves as the contract manager for this task-order contract.

Florida's Turnpike Enterprise, Continuing Services ERCAR, Systemwide, Florida Ms. McRory served as a senior geotechnical engineer and contract manager for this task-order contract. Projects have included roadway, drainage and lighting improvement projects.

District-wide Geotechnical and Materials Testing Continuing Services Contract, District Seven, Florida Ms. McRory serves as the principal geotechnical engineer for this task-order contract. Tasks include CEI support with verification testing, geotechnical engineering services and pavement coring to support the Department's workflow.

Districtwide Minor Design Contract, District Five, Florida Ms. McRory serves as a senior geotechnical engineer and contract manager for this task-order contract. Projects have included fast paced geotechnical support for the department's in-house projects.

Districtwide Minor Design Contract, District One, Florida Ms. McRory served as a senior geotechnical engineer and project manager for this task-order resurfacing contract.

City of Orlando, Wilshire Bridge Replacement, Orlando, Florida Performed geotechnical engineering services to provide subsurface information for the conversion of an existing bridge to a double culvert. The scope included SPT and auger borings and probes beneath the water to define bearing layers. Ms. McRory managed the field activities, performed foundation analysis, and prepared the engineering report.

Districtwide Geotechnical and Materials Testing, District One, Florida Ms. McRory serves as a senior geotechnical engineer and contract manager for this task-order contract. Tasks have included pavement coring and geotechnical engineering support of in-house design projects.

10th & 11th Ave. South - Booker Creek Culvert Replacement, District Seven, Pinellas County, Florida Design and construction project to replace and repair the Booker Creek concrete box culvert under 10th Avenue South, 5th Street South and 11th Avenue South in St. Petersburg, Florida. Ms. McRory served as the engineer of record for this project.



Angela L. Alba, PE

SENIOR GEOTECHNICAL ENGINEER

Contact Information

954.778.9001
aalba@arehna.com
12296 Wiles Road
Coral Springs, Florida 33076

Licenses

Professional Engineer
Florida Registration No. 58538

Experience

21 Years total
6 Years with AREHNA

Education

Master of Science, Civil Engineering
(Geotechnical) Massachusetts
Institute of Technology, 1998

Bachelor of Science, Civil
Engineering
University of Puerto Rico, 1995

Career Summary

Ms. Alba has provided geotechnical engineering services on numerous geotechnical explorations over the past 21 years, serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida which is the first Public-Private-Partnership (P3) project ever awarded by FDOT. Ms. Alba has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, and other local municipality projects. Ms. Alba has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Ms. Alba experience has also included finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

Project Experience

Broward County Mast Arm Conversions, Phase II, Broward County, Florida Ms. Alba served as the Senior Geotechnical Engineer responsible of providing geotechnical engineering services for this design build project, which consisted of the conversion of 15 existing intersections to mast arm traffic control signals and the improvement of the intersection asphalt pavement. Geotechnical scope provided the following: Mast arm foundation design parameters, pavement and base coarse layer thicknesses, and Recommendations for milling and resurfacing.

Districtwide Design Minor Projects/Production Support), FDOT District Four, Florida Ms. Alba served as the Senior Geotechnical Engineer for task work orders associated with roadway improvements that include traffic safety lighting structures, overhead sign structures, mast arm structures, and drainage structures.

Districtwide Miscellaneous Design Services, Turnpike, Florida Ms. Alba served as the Senior Geotechnical Engineer for this contract, which includes the geotechnical engineering and laboratory testing services associated with the rehabilitation of aging concrete piles at 19 bridges on the Turnpike.

Districtwide Geotechnical Services Contract, FDOT District Four, Florida Ms. Alba served as the Contract Manager/ Project Manager responsible of communications with FDOT's Project Manager, scope development, proposal preparation, providing technical oversight, and invoicing. Responsible for exploring engineering/ design alternatives that could reduce project costs and schedule timeline.

I-95/ SR-9 at Gateway Blvd Interchange Improvements, District Four, Palm Beach County, Florida Ms. Alba is serving as Senior Geotechnical Engineer for this interchange improvements project, which includes several bridge widenings and new retaining walls.

SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd, District Four and Turnpike, Palm Beach County, Florida Ms. Alba is serving as the Senior Geotechnical Engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

Broward Mobility - SW 56th Avenue from Pembroke Rd. to Stirling Road District Four, Broward County, Florida Ms. Alba served as the Senior Geotechnical Engineer for this mobility project, which consists of constructing sidewalk and pavement widening for bicycle lanes to approximately 3.5 miles of SW 56th Ave.

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Broward Mobility Project - Washington Street & 72 Avenue, FDOT District Four, Broward County, Florida Ms. Alba is serving as the Senior Geotechnical Engineer for this mobility project, which consists design services, bike path/trail, mobility improvements and roadway widening. Ms. Alba's responsibilities include field and utility coordination, roadway analysis, Quality Assurance/Quality Control, report preparations and recommendations.

Loxahatchee Rd. from Arthur Marshall Loxahatchee Refugee to SR-7/ US-441 Continuing Services Contract, District Four, Florida Ms. Alba is serving as the Senior Geotechnical Engineer for approximately 6 miles of road widening of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11-foot paved lanes (one in each direction), a 12-foot raised median with landscaping, 5-foot bicycle lanes (one in each direction), and sidewalks.

NE 23rd Ave over Ibis Waterway Bridge Replacement, District Four, Broward County, Florida Ms. Alba served as the Senior Geotechnical Engineer for this off-system bridge replacement project, which included evaluating the impacts of temporary vibrations imparted by construction to the adjacent properties.

I-95 at SR-838/ Sunrise Blvd Interchange Improvements, District Four, Broward County, Florida Ms. Alba is serving as Senior Geotechnical Engineer for this interchange improvements project, which includes bridge several widenings and new retaining walls.

West Park Roadway and Drainage Improvements, City of West Park, Broward County, Florida Ms. Alba served as the Senior Geotechnical Engineer for this project. The project consisted of milling and resurfacing the existing roadway lanes, widening the existing lanes to provide more parking and swales. The site is located within a commercial and residential area and is approximately 1.5 miles long.

General Engineering Consultant Program Management, Miami-Dade Expressway Authority(MDX), Miami-Dade County, Florida Ms. Alba served as the Project Manager/Senior Geotechnical Engineer responsible for providing construction materials testing quality assurance verification services and geotechnical reviews.

SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, District Four, Palm Beach County, Florida Ms. Alba is serving as Senior Geotechnical Engineer for this widening project, which includes a bascule bridge replacement and new retaining walls. Evaluation will include reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties.

CR-510/ 85th St. from 82nd Ave to 58th Ave, District Four, Indian River County, Florida Ms. Alba is serving as the Senior Geotechnical Engineer for this widening project, which consists of pavement widening for additional lane in each direction, bicycle lanes, and bridge replacements to approximately 3.5 miles of CR-510.

Four Off-System Bridge Replacement throughout Palm Beach County, District Four, Palm Beach County, Florida Ms. Alba is serving as the Senior Geotechnical Engineer for this off-system project that will replace the following bridges: El Claire Rd at L-30 Canal, New England Blvd at E-1 Canal, Seminole Dr. at I-6 Canal, and Sandalfoot at E-1E Canal. Evaluation will include reduction of the impacts of temporary vibrations imparted by construction to the adjacent properties.

I-595 Express Corridor Improvements Project (P3), FDOT District Four and Turnpike, Broward County, Florida Ms. Alba served as the Geotechnical Discipline Lead during the proposal stage and project execution for one of the largest highway transportation projects in FL, which consisted of improvements to 10.5 miles of I-595 associated with a new tolled reversible express lanes system in the I-595 median, including a total of 65 bridge replacements or widenings and numerous miscellaneous structures, including steel sheet pile bulkheads for the adjacent North New River Canal. She provided timely feedback to the Design Build Team regarding project schedules, budget and contract issues, and engineering concerns, including Interdisciplinary Plan Reviews, resulting in direct cost savings and the avoidance of project down-time.

CR 707/ SE Beach Rd from Palm Beach/Martin County Line to CR 708, District Four, Martin County, Florida Ms. Alba served as the Senior Geotechnical Engineer for the roadway widening, safety improvements, milling and resurfacing along approximately 7 miles for this two lane minor urban road. Extensive coordination was required with the Town of Jupiter Island.

SR 836 Bridge 7 over NW 12th Street, MDX, Miami-Dade County, Florida Ms. Alba served as the Senior Geotechnical Engineer for the Cost Savings Initiative (CSI) to redesign the SR 836 Westbound Flyover Ramp (Ramp D-3) over NW 12th Street from two span plate girder bridge to a single span steel box bridge along with redesign of the proposed MSE walls at the bridge approaches. Available PDA results performed at the interchange were reviewed in order to better predict the anticipated mobilized pile end bearing resistance.



Contact Information

813.944.3464
keastman@arehna.com
5012 W. Lemon St Tampa, FL

Licenses

Professional Engineer
Florida Registration No. 50733

Experience

27 years total
1 year at AREHNA

Education

Master of Science, Civil Engineering,
Structures & Foundations Engineering
University of Central Florida, 1992

Bachelor of Science,
Aeronautical Engineering, Embry
Riddle Aeronautical University, 1989

Kirk M. Eastman, PE

SENIOR GEOTECHNICAL ENGINEER

Career Summary

Mr. Eastman has 27 years of experience in the field of geotechnical engineering. He has managed multiple FDOT District Wide Geotechnical Contracts over a 21-year period. He has also served as project manager for multiple major projects. His experience includes roadway, bridge, pond and retaining wall projects where he has performed shallow and deep foundation analyses including driven piles, settlement, and slope stability analyses. He has also worked on vibration monitoring projects and performed numerous ground subsidence studies.

Project Experience

CR-510 from CR-512 to west of 82 Avenue, FDOT District Four, Indian River County, Florida The project consists of approximately 3 miles of roadway widening including bridge replacement. Mr. Eastman serves as the Senior Geotechnical Engineer, responsibilities include coordinating field testing and laboratory testing, soils classifications, structures and bearing capacity analysis, providing geotechnical engineering recommendations and report preparation.

SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, District Four, Palm Beach County, Florida Ms. Eastman is serving as Senior Geotechnical Engineer for this widening project, which includes a bascule bridge replacement and new retaining walls. Evaluation will include reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties.

SR-9/ I-95 Lantana Road Interchange, PD&E Study, FDOT District Four, Palm Beach County, Florida Mr. Eastman served as Senior Geotechnical Engineer for this PD&E Study, which evaluated interchange improvements, including bridge replacement, several bridge widenings and new retaining walls. The evaluation included mitigation of construction imparted vibrations.

SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd, District Four and Turnpike, Palm Beach County, FL Mr. Eastman is serving as Senior Geotechnical Engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

District-Wide Contract, Citrus, Sumpter, Hernando, Pasco, Pinellas and Hillsborough Counties, FDOT District Seven, Florida Mr. Eastman has managed multiple District Wide Contracts over 20 years and has provided geotechnical engineering services on over 100 projects consisting of Roadway Improvements, Bridge Replacement, Pond Improvements, Miscellaneous Structures, Retaining Walls, Sheet Pile Walls and Vibration Monitoring projects. Mr. Eastman was responsible for coordinating subsurface exploration programs. As part of the contract, Mr. Eastman coordinated the Emergency Services Program where events affecting traffic safety and roadway closures such as sinkholes were responded to on short notice with geophysical surveys, subsurface exploration and remediation recommendations and monitoring.

SR 9/I-95 at SR-838/ Sunrise Boulevard Interchange Improvements, FDOT District Four, Broward County, Florida Mr. Eastman is serving as Senior Geotechnical Engineer for this interchange improvements project, which includes several bridge widenings and new retaining walls.

Districtwide Geotechnical and Materials Testing, FDOT District Seven, Florida Mr. Eastman serves as a senior geotechnical engineer for this task-order contract. Scope of work has included pavement coring and geotechnical support of in-house design projects.

District Wide Geotechnical Services, FDOT District One, Sarasota, Florida Mr. Eastman serves as the Contract Manager for geotechnical services relating to numerous transportation projects. Projects included design of structure foundations, soil surveys, intersection improvements, Oversight testing and inspection during construction, as well as sinkhole investigations including geophysical testing such as GPR.

9th Street S. (MLK Street) From 6th Ave S. to 7th Ave S., FDOT District Seven, Pinellas County, Florida The project site is located along 9th Street S from 6th Avenue S to 7th Avenue S in St. Petersburg. The existing roadway is off-system and a one-way, southbound, three-lane urban roadway in the historic Rosery Park area. The improvements consist of the replacement of the existing bridge over Booker Creek in St. Petersburg, and associated roadway improvements. Mr. Eastman serves as the geotechnical engineer, providing analysis and recommendations for bridge foundations and roadway construction.

FDOT District Three SR 173 (Blue Angel Parkway) From Gulf Beach Highway to SR 292, Escambia County, Florida The project consisted of the widening of over 2 miles of SR173 and included six retention ponds, two floodplain compensation sites and a new sidewalk alignment. Mr. Eastman was responsible for coordinating the subsurface exploration program, geotechnical engineering recommendations and report preparation.

US 19 Pedestrian Overpass, FDOT District Seven, Pinellas County, Florida Senior Geotechnical Engineer: Mr. Eastman served as the senior geotechnical engineer for the geotechnical services for the pedestrian overpass across US 19/SR 55 near Harn Boulevard in Pinellas County. The design and construction included geotechnical support for re-construction of Harn Boulevard, Bay Cove Apartment driveway access and barrier walls to accommodate the new DMS overhead span structure. Responsibilities include coordinating field testing and laboratory testing, soils classifications, providing geotechnical engineering recommendations and report preparation.

FDOT District Three SR 10 (Nine Mile Rd.) From US 90 to SR 297, Escambia County, Florida The proposed improvements consisted of reconstructing over 2 miles of SR 10 from 2 lanes to 4 lanes and included a new bridge structure over Eleven Mile Creek, a Box Culvert Extension and the evaluation of eighteen stormwater pond alternatives. Mr. Eastman was responsible for coordinating the subsurface explorations, soil classifications, axial pile capacity analyses, culvert bearing pressure and settlement analyses, geotechnical engineering recommendations and report preparation.

I-4/Lee Roy Selmon Expressway Interchange North of 7th Avenue, Hillsborough County, Florida The project consisted of constructing a connector between I-4 and the Lee Roy Selmon Expressway and included six bridge structures, MSE walls, ponds and 3,800 feet of roadway. As the Senior Geotechnical Engineer managing the project, Mr. Eastman was responsible for coordinating the subsurface exploration program including SPT soil borings, hand auger borings, much probing, field permeability tests, reviewing soil samples, assigning laboratory tests, reviewing test results, providing geotechnical engineering recommendations and preparing all geotechnical reports.

I-275 Design Build from SR60 to Himes Avenue, Hillsborough County, Florida The project consisted of improvements to the I-275 corridor including 10 bridges, ramps, underpass structures and associated retaining wall structures. Mr. Eastman was the Senior Geotechnical Engineer on the project and was responsible for the geotechnical exploration program, supervising the geotechnical testing program, soil classifications, settlement, axial pile capacity and slope stability analyses, providing geotechnical engineering recommendations and report preparation.





LICENSURES

P.E.: 46196 (FL)

EDUCATION

B.S. Mining Engineering
Pontifical Catholic University of
Peru, 1976

YEARS OF EXPERIENCE

Over 36 Years
4 Years with HSQ Group

KEY EXPERIENCE

Over 35 years of experience in
design, roadways, and land
development projects.

Experience in construction
administration and project
management.

Experience in permitting to
SFWMD, Palm Beach County,
Broward County, and FDOT

MEMBERSHIPS PAST & PRESENT

American Institute of Mining,
Metallurgical, and Petroleum
Engineers

American Society of Civil
Engineers

OVERVIEW

More than thirty-six years of experience in Engineering, including twenty five years as Civil Engineer responsible for design, project administration, construction review and contract administration in the areas of Roadway, Land development, Facilities, Schools and Construction Services. Previous ten years experience as Mining Engineer in Peru, South America. Proficient design experience including grading, drainage, pump station, force mains, basin sizing, hydraulic and soil erosion control, flood plain modeling, earthwork calculations and drafting skills.

Significant experience in County and City projects as well as Construction Management developing proposals, tracking budgets and scheduling. Responsible for signing and sealing projects, preparation of construction documents including plans, specifications, and cost estimates for roadway design projects. Management a variety of projects including resurfacing, rural and urban widening, reconstruction, and interstate widening. Performance of QC review of roadway plan sets. Deep knowledge of the planning and zoning process, full knowledge of Jurisdictional Agency Permitting. Experience in international roadway design projects in Africa.

PROJECT EXPERIENCE

Palm Beach County-Wide Intersection Improvements

Palm Beach County, Florida

This is a county-wide intersection improvements project. Widening of existing roadway to add more lanes and to accommodate bike lanes are a major part of the intersection improvement. The scope of services varies from project to project. It includes modification of existing drainage systems, evaluation of existing pipes capacity, modification and design of swale systems, evaluation of receiving water bodies, i.e., flood routing analyses of existing lake systems that receive runoff from the roads, runoff spread calculations, utility conflict resolutions with proposed drainage pipes / inlets, interaction with FDOT D4 at state roadways intersecting with county roads, signing and pavement marking, signal design, prepare and process needed permits such as drainage connection permit, construction agreements, etc. Coordination and permitting needed from various municipalities and drainage districts in the county.

Sandalfoot Blvd / US 441 and SW 3 Street / US 441

Palm Beach County, Florida

Responsibilities include preparation for highway major intersection design and realignment, drainage design, signing and pavement marking, permitting from LWDD and FDOT.

Lyons Road; Lantana Road to Lake Worth Road

Palm Beach County, Florida

Preparing construction plans for 2 miles of a 4-lane divided roadway from Lantana Road to Lake Worth Road including signing and pavement marking plans for roadway and bike lanes, drainage design and permitting, and milling and resurfacing. Extensive involvement in the drainage design which included, pipe sizing analyses, exfiltration design and flood routing, control structures, culverts extension at Lake Worth Drainage Districts (LWDD) Canal L-13, permitting from SFWMD, Army Corp of Engineers and LWDD.

Lyons Road; Clint Moore to Atlantic Avenue

Palm Beach County, Florida

Responsibilities include preparation of construction plans for 4 miles of roadway from Clint Moore Road to Atlantic Avenue, including signing and pavement marking plans for roadway and bike lanes, drainage design and permitting, drainage design which included, pipe sizing analyses, exfiltration design, flood routing, control structures, preparation of dewatering plan, permitting from SFWMD, Army Corp of Engineers, FDOT and LWDD. Extensive coordination with developments along Lyons Road, i.e., G.L. Homes, commercial site located at the southeast corner of Lyons Road / Atlantic Avenue and coordination with FDOT for proposed widening to Atlantic Avenue.

SW 40th Avenue from Stirling Road to Griffin Road

FDOT District 4, Broward County, FL

The scope of work for this project is to improve mobility for pedestrians and bicyclist by widening the existing two lanes on both sides so that buffered bike lanes can be added, constructing sidewalks, and modifying signals. As a prime consultant, responsibilities include preparation of design documents, including QC/QA plan, scheduling, typical section packages, pavement design, in addition to conducting survey, plans production and permitting, and managing sub-consultant activities, i.e., CAP, SUE, and signal design. Prepare signing and pavement marking plans for buffered bike lane.

University Drive (Palmetto Park Road to Riverside Drive)

Broward County, Florida

Private contract two-lane road design which included ultimate drainage design and permitting for four-lane division. Responsibilities also included ROW acquisition, horizontal and vertical alignment design, signing and marking plans preparation.

SR-820 (Pines Boulevard) at I-75

FDOT District 4, Broward County, FL

Interchange improvements, median modifications and widening in the immediate vicinity of I-75, including landscape features and public involvement meetings, horizontal and vertical geometry, drainage improvements, cross sections, and signing and marking.

NW 154 Street; NW 89 Avenue to NW 87 Avenue

Miami-Dade County, Florida

Scope of work included intersection modification to add turn lanes, drainage design, permitting, roundabout design, and signal and pavement marking.

City of Doral Intersection Improvements

Miami-Dade County, Florida

The scope includes five intersection improvements including the addition of turn lanes, intersection modifications, drainage design, pipe sizing, exfiltration design, pavement runoff spread analyses, permitting, utility coordination, signal design, and coordination with city, county, and adjacent developments, and signing and pavement marking plans for roadway and buffered bike lanes.



FL PE License: PE88281
30-hour Construction Safety and Health (Osha-30) Cert.
No.: 34-602025809
Envision Sustainability Professional Cert. No.: 23735

Years of Experience
3 Years
Boca Raton-Office

Education
Master of Science in
Environmental Engineering
Bachelor of Science in Water
Supply and Drainage Engineering

Memberships
American Society of Civil
Engineers, Asian American
Architects/Engineers Association,
California Water Environmental
Association, American Water
Works Association, Wanter
Environmental Federation

OVERVIEW

Susan is a highly motivated and skilled California licensed Professional Civil Engineer with 3 years of experience. Experienced in utilities, drainage design and construction project engineering. Susan has an in-depth understanding of AutoCAD and MicroStation applications and technical specifications.

PROJECT EXPERIENCE

HSQ GROUP INC.

Lyons Road from Lantana to Lake Worth Road Palm Beach County, Florida

Responsibilities included preparing the construction plans for 2 miles of a 4 lane divided roadway from Lantana Road to Lake Worth Road, drainage design, and permitting. Extensive involvement in the drainage design which included, pond siting report, pipe sizing analyses, exfiltration design, flood routing and pond design, control structures, culverts extension at Lake Worth Drainage Districts (LWDD) canals, and permitting from SFWMD, Army Corp of Engineers and LWDD

Lyons Road from South of LWDD L-11 Canal to North of LWDD L-10 Canal Palm Beach County, Florida

Design and permitting for 1 mile of a 3 lane roadway, preparation of construction plans, permitting, milling and resurfacing flood routing and pipe sizing analyses, design of canal crossing by providing 72" RCP to bridge the Lake Worth Drainage District L-14 Canal. Scope also included preparation of the pond siting report, swales /underground dual parallel pipe system and dry retention areas.

SW 40th Avenue from Stirling Road to Griffin Road Florida Department of Transportation D4

The scope of work for this project is to improve mobility for pedestrians and bicyclist by widening the existing two lanes on both sides so that buffered bike lanes can be added, constructing sidewalks, and modifying signals. As a prime consultant, responsibilities include preparation of design documents, including QC/QA plan, scheduling, typical section packages, pavement design, in addition to conducting survey, plans production and permitting, and managing sub-consultant activities, i.e., CAP, SUE, signal design, structural analyses, etc.

Lyons Road from Clint Moore Road to Atlantic Avenue

Palm Beach County, Florida

Responsible for preparing the construction plans for 2 miles of a 4 lane divided roadway from Lantana to Lake Worth Road including bridge plans, signal plans, signing and pavement marking plans including bike lanes, drainage design and permitting, drainage design which included, pip sizing analyses, exfiltration design, flood routing, control structures, preparation of dewatering plan, permitting from SFWMD, Army Corp of Engineers, FDOT and LWDD. Extensive coordination with developments along Lyon Road, i.e., G.L. Homes, commercial site located at the southeast corner of Lyons Road / Atlantic Avenue and coordination with FDOT for proposed widening to Atlantic Avenue.

Palm Beach County Countywide Intersection Improvements Annual Services

Palm Beach County, Florida

This is a countywide intersection improvement projects. The scope of services varies with each site. Drainage and permitting are always major components of the scope of services. It includes modification of existing drainage systems, evaluation of existing pipes capacity, modification and design of swale systems, evaluation of receiving water bodies, i.e. flood routing analyses of existing lake systems that receive runoff from the roads, runoff spread calculations, utility conflict resolutions with proposed drainage pipes / inlets, interaction with FDOT D4 at all state roadways intersecting county roads, prepare and process needed permits such as drainage connection permit, construction agreements, etc. Coordination and permitting from various municipalities and drainage districts in the county.

NW 154th Street; NW 89th Avenue to NW 87th Avenue

Miami-Dade County, Florida

Responsible for roadway widening to accommodate additional lanes and bike lanes, roundabout design, permitting and construction administration.

Metropolitan Planning Organization Tiger Grant

Florida Department of Transportation D4

Major sub-consultant for this 10.3 miles 6 segments of roadways in Broward County. Responsibilities included evaluation the impact of adding bike lanes on both sides of the existing roadways on drainage, landscaping, utilities, signals at intersections, and coordination with permitting agencies and the county.



PSM, Florida No: LS 6930

Key Qualifications

Experience as a Survey Project Manager for FDOT projects. Knowledge and experience in R/W, utility locating and GIS mapping. Holds an FAA Remote Pilot Certification to fly unmanned aerial vehicles (UAVs).

Years of Experience

39 Years

Education

Civil Technology
Middlesex County College, NJ

Publications & Memberships

“Photogrammetry and Topographic Mapping” Land Development Handbook, pub. By McGraw Hill
“We Must Evolve” Point of Beginning 02/15
FL Surveying and Mapping Society
National Society of Professional Land Surveyors

OVERVIEW

Tom’s background includes work for various state Departments of Transportation, including Florida, New Jersey, New York, Louisiana, and Pennsylvania. He is proficient with various types of surveys (ALTA, title, topographic, and boundary). He is also well versed in commercial/civil land planning and design, residential subdivision and transportation route analysis, geodetic control, construction stakeout and as-built survey, including survey computations, record research, property line resolution, and right-of-way investigation, GNSS (GPS), railroad survey, and laser scanning.

PROJECT EXPERIENCE

WIDEN TURNPIKE FROM ATLANTIC AVE. TO BOYNTON BEACH BLVD. (MP 82.4 TO 87.3)

Florida Turnpike, Palm Beach County, Florida

Provided secondary control, aerial and mobile mapping targeting, topographic/DTM surveys of off pavement areas and ponds, drainage and canal surveys, geotechnical boring locations, and underground utility locations for the 6 mile widening of the Florida Turnpike to 10 lanes. Required the coordination of multiple crews from multiple offices, as well as coordination with other survey companies and the aerial/mobile mapping sub-consultant. All information gathered was delivered to the aerial/mobile mapping sub-consultant in FDOT SS4 format for incorporation into the aerial and mobile mapping data.

SR5/OKEECHOBEE ROAD AT W. 16TH AVENUE

FDOT District 6, Miami-Dade County, Florida

Conducted survey and established existing right-of-way lines for the project in Miami-Dade County. The project included topographic/DTM surveys of pavement areas, drainage surveys, and acquiring information for the establishment of right-of-way. Also prepared the Project Network Control (PNC) sheet.

I-95 AT LINTON BOULEVARD

FDOT District 4, Palm Beach County, Florida

Completed the design survey and establishment of the existing right-of-way lines for the 3-mile-long project in Palm Beach County. The project included topographic/DTM surveys of pavement and off pavement areas, drainage surveys, and acquisition of information for the establishment of

right-of-way. The project also required underground utility designation and survey of designated utilities as marked. The data acquired was merged with aerial mapping data prepared by others. Tom also prepared the Project Network Control (PNC) sheet.

SR 60 TURKEY CREEK ROAD TO SR 39 FPID: 435750-2-32-01

FDOT District 7, Hillsborough County, Florida

Completed design survey and mapping, secondary control, mobile mapping targeting, topographic/DTM Surveys of off pavement areas, and drainage and pond surveys for this 6 mile long widening project. This project required the coordination of multiple crews and coordination with the mobile mapping sub-consultant. All information gathered was delivered to the mobile mapping sub-consultant in FDOT SS4 format for incorporation with the mobile mapping data.

SR 60/I-275 INTERCHANGE – LINKS IV PROJECT

FDOT District 7, Hillsborough County, Florida

Completed primary and secondary control, mobile mapping targeting and LIDAR survey, topographic/DTM surveys of off pavement areas, drainage and pond surveys, and laser scanning extraction for the SR-60/I-275 intersection reconstruction.

STRUCTURAL ANNUAL SERVICES

Palm Beach County, Florida

The scope of services includes design support to the prime consultants such as miscellaneous roadway design, drainage design, permitting, utility coordination, signing and pavement marking and surveying services. The nature of work varies from preparing studies to design / replacement / widening of existing bridges and culverts.

LYONS RD. FROM CLINT MOORE ROAD TO ATLANTIC AVENUE

Palm Beach County, Florida

This project consisted of surveying nearly four miles within the Lyons Road Right of Way from south of Clint Moore Road to north of Atlantic Avenue for roadway widening design. The survey scope included title search review, right-of-way and plat research, establishment of baselines and NAD state plane horizontal and vertical control, preparation of 3D models, along with field crew supervision and direction for the locations of the existing improvements within the right of way.

INTERSECTION IMPROVEMENTS ANNUAL SERVICES

Palm Beach County, Florida

This project is for surveying of county-wide intersections for improvements design. The survey scope included right-of-way and plat research, establishment of horizontal and vertical control, and locations of the existing improvements within and adjacent to the right of ways.



Professional Registration:

State of Florida
PSM License #LS5118

Years of Experience:

35 Years
5 Years with HSQ Group

Education:

Associate of Science Land
Surveying
Palm Beach Community College

**Memberships Past
& Present:**

Florida Surveying & Mapping
Society - Chapter Member
Broward Chapter Member

National Society of Professional
Surveyors - Member

OVERVIEW

Mr. Laak has 35 years of experience (24 years as a registered Surveyor and Mapper) in all phases of land surveying including boundary, hydrographic, route surveys, topographic, and as-built surveys, legal descriptions, record plats and, boundary descriptions for annexations for municipalities. Mr. Laak's current position as Project Surveyor within the Surveying and Mapping Department at HSQ Group puts him in the role of the being personally involved with the assigned projects and the client's individual representatives. His personal approach provides for a clear understanding of his client's needs and the most suitable deliverables and proper service.

PROJECT EXPERIENCE

City of Lauderhill Topographic/Right-Of-Way Survey Broward County, Florida

This survey was located between NE 38th Street and Oakland Park Boulevard, from Powerline Road to North Andrews Avenue. Approximately 7,000 linear feet of urban neighborhood surveyed for drainage improvement design. The project consisted of right-of-way research, including numerous plats dating back nearly 70 years. The establishment of NAD state plane horizontal, and vertical bench marks throughout entire project. The scope required all improvements within the right-of-way, including surface utilities, driveways, drainage and sanitary structures, with trees and spot elevations extending 25 feet outside the right-of-way. A 3-dimensional model was created for quality control purposes as well as an aide for civil engineering design.

Lyons Road from Clint Moore Road to Atlantic Avenue Palm Beach County, Florida

This project consisted of surveying nearly four miles within the Lyons Road Right of Way from south of Clint Moore Road to north of Atlantic Avenue for roadway widening design. The survey scope included title search review, right-of-way and plat research, establishment of baselines and NAD state plane horizontal and vertical control, preparation of 3D models, along with field crew supervision and direction for the locations of the existing improvements within the right of way. Mr. Laak was the Project Surveyor for this project.

Intersection Improvements Annual Services

Palm Beach County, Florida

This project is for surveying of county-wide intersections for improvements design. The survey at the intersection of Military Trail and SW 18th Avenue, Boca Raton was the first area completed, with 3 additional intersections now completed. The survey scope included right-of-way and plat research, establishment of NAD state plane horizontal and vertical control, and locations of the existing improvements within and adjacent to the right of ways. Mr. Laak is the Project Surveyor for this project.

City of Lauderdale Boundary/Topographic Survey

Broward County, Florida

This survey was of St. George Park located on 8th Street and NW 35th Avenue. Approximately six acres of City park improvement design. The project consisted of right-of-way research from County deeds and plats. The establishment of NAD state plane horizontal, and NAVD88 vertical bench marks. The scope requires the location all improvements within the park and the adjoining right-of-way, including surface utilities, buildings, ball fields, parking areas, drainage and sanitary structures, with trees and spot elevations. A 3-dimensional model was created for quality control purposes as well as an aide for civil engineering design.

County Road 880 Bridge Over C-51 Canal

Palm Beach County, Florida

This project was for the redesign of a 2-lane bridge and the related roadways to replace the existing County Road 880 bridge over the SFWMD C-51/L-12 Canal just south of State Road 80. The survey included 4800' of existing roadway data for county Road 880, State Road 80, and Boat Ramp Road. Services provided included research of existing right-of-way records, establishment of horizontal and vertical control, locations of existing improvements and topography, bridge details, canal cross-sections, preparation of DTM's, and deliverables of cad files and specific purpose survey.

Structural Annual Services

Palm Beach County

The scope of services includes design support to the prime consultants such as miscellaneous roadway design, drainage design, permitting, utility coordination, signing and pavement marking and surveying services. The nature of work varies from preparing studies to design / replacement / widening of existing bridges and culverts.

SW 40th Avenue from Stirling Road to Griffin Road

FDOT District 4, Florida

This project consisted of surveying one mile of two lane roadway on the Range Line within Ranges 41 and 42 from Stirling Road to Griffin Road for roadway widening design. The survey scope included title search review of over 80 properties, dozens of right-of-way dedications and plat research. The baseline was established along the Range Line and approved by F.D.O.T. The right-of-way was established and also approved by the FDOT. NAVD 88 vertical control was established with differential leveling from existing F.D.O.T. Benchmarks and closed on existing F.D.O.T. Benchmarks. NAD state plane horizontal control was established utilizing post processed static GPS observations for the F.D.O.T. approved Project Network Control Sheet. Topography along the route was obtained for the preparation of the 3D model for engineering design purposes. This corridor contains large forcemains and raw water lines significant to three municipalities.

Florida Mango Road at Lwdd L-5 and L-6 Canal Bridges

Palm Beach County, Florida

The survey at this location was prepared for Palm Beach County for the reconstruction of the Florida Mango Road Bridges over the Lake Worth Drainage District L-5 and L-6 Canals. The project consisted of right-of-way research, establishing NAD state plane horizontal and vertical control, locations of existing above-ground improvements including utilities, invert data for below-ground structures, locations of trees, preparation of 3D models, and preparation of LWDD canal cross-sections for the original scope area and a subsequent scope area.



KENNETH HARDIN

Project Manager

EDUCATION

M.A. 1983 University of South Florida (Cultural Resource Management)
B.A. 1975 Duke University (Psychology and South Asian Studies)

PROFESSIONAL AFFILIATIONS

Register of Professional Archaeologists
Florida Archaeological Council (President 1988 - 1990)
Florida Trust for Historic Preservation (Trustee 2005 - 2011)
American Cultural Resource Association (Founding member)
Court Certified Expert Witness
Meets the Secretary of the Interior's Professional Qualifications Standards
40 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Hardin, the President and CEO of Janus Research, serves as the Project Manager of all District Four and Broward County projects. In his 40 years of experience, Mr. Hardin has played a key role in the development of statewide policies, procedures, and preservation law, having assisted the Florida Department of Transportation with their Cultural Resource Management Handbook, updates of the PD& E Manual, Section 106 and 4(f) training, and the implementation of ETDM, sociocultural effects analysis, and Native American coordination. He is a leading authority in Section 106, NEPA cultural resource compliance, and Section 4(f) for transportation projects. He has an in-depth understanding of the challenges posed by federal laws, regulations, and guidelines and knows how to successfully negotiate the complex process of State Historic Preservation Office (SHPO) and regulatory approval. He excels at developing creative mitigation strategies with little or no impact to construction schedules and has long-standing relationships with the Florida State Historic Preservation Officer, the US Army Corps of Engineers, the Florida Department of Environmental Protection, the Coast Guard, Federal Highway Administration, Federal Transit Administration, Federal Rail Administration, the Advisory Council for Historic Preservation, and the National Park Service as well as preservation officers of local government in east and south Florida. Mr. Hardin is a court certified expert witness in the field of archaeology and cultural resource management.

RELEVANT PROJECTS

- State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study in both Martin and St. Lucie Counties, Florida – Project Manager
- State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida – Project Manager
- SR 9/I-95 PD&E Study from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida – Project Manager
- Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida – Project Manager
- SR-9/I-95 at SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida – Project Manager



AMY STREELMAN

Senior Architectural Historian

EDUCATION

M.H.P. 1998 University of Georgia (Historic Preservation)
B.A. 1993 Florida State University (English)

PROFESSIONAL AFFILIATIONS

Florida Trust for Historic Preservation
National Trust for Historic Preservation
23 Years of Experience

PROFESSIONAL EXPERIENCE

Ms. Streelman has documented and evaluated thousands of historic resources found throughout Florida, with specific emphasis on resources in the South Florida region. Her expertise resulted in the development of project methodologies and approaches meant to address the region's unique challenges and architectural characteristics. She has over 23 years of experience with CRM in Florida and has advanced knowledge of Section 106, 36 CFR 800, Section 4(f), Chapter 267 F.S., and other federal and state laws and regulations as well as the National Register of Historic Places criteria of eligibility. She has extensive experience identifying and assessing the unique historic resources of the South Florida area, from the ornate Mediterranean Revival homes of Coral Gables, to the simple vernacular buildings found in the Florida Keys, to canals, roadways, and railroad corridors. Ms. Streelman has prepared over 300 Cultural Resource Assessment Survey documents that have been approved by all regulatory agencies and the State Historic Preservation Officer. She has prepared numerous reports for projects involving NRHP-listed or NRHP-eligible resources such as bridges, historic districts, and roadways.

RELEVANT PROJECTS

- Reevaluation for State Road (SR) 806/Atlantic Avenue from West of SR 7/US 441 to East of Lyons Road – Senior Architectural Historian
- State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida – Senior Architectural Historian
- SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida – Senior Architectural Historian
- Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida – Senior Architectural Historian
- SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida – Senior Architectural Historian



JAMES PEPE

Chief Archaeologist

EDUCATION

- M.A. 1999 Florida Atlantic University (Anthropology)
- B.A. 1991 University of Florida (English)
- A.A. 1988 Palm Beach Junior College

PROFESSIONAL AFFILIATIONS

- Register of Professional Archaeologists
- Florida Archaeological Council
- 29 Years of Experience

PROFESSIONAL EXPERIENCE

Mr. Pepe has over 29 years of Cultural Resource Management experience in South Florida, working on projects ranging from the Archaic period to post-World War II sites. He has a comprehensive understanding of the Section 106 process and Chapter 267, *Florida Statutes*. He served as the Project Archaeologist on several PD&E and NEPA projects in South Florida. Mr. Pepe is intimately familiar with the unique environment and archaeological record of South Florida and the methods required to adequately identify and evaluate archaeological sites there. He has led several large-scale surveys in the interior wetlands of South Florida, including surveys for Palm Beach, Martin, and St. Lucie counties, the South Florida Water Management District, the Seminole Tribe of Florida, and the Miccosukee Tribe of Indians of Florida. Each of these surveys required a thorough knowledge of local drainage patterns and natural communities gained through the examination of resources such as modern and historic aerial photographs. Mr. Pepe also successfully completed the National Historic Landmark nomination for Fort King, the only Seminole War period fort in Florida to be landmarked by the Department of the Interior.

RELEVANT PROJECTS

- Reevaluation for State Road (SR) 806/Atlantic Avenue from West of SR 7/US 441 to East of Lyons Road – Chief Archaeologist
- State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808) in Broward and Palm Beach Counties, Florida – Chief Archaeologist
- SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road in Broward County, Florida – Chief Archaeologist
- Interstate 95 (I-95) / State Road 9 (SR 9) Project Development and Environment Study from South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820), Broward County, Florida – Chief Archaeologist
- SR-9/I-95 @ SR 842/Broward Boulevard from West of SW 24th Avenue to East of NW/SW 18th Avenue Project Development & Environment (PD&E) Study, Broward County, Florida – Chief Archaeologist



Wendy Cyriacks Principal/Chief Scientist

Office Location
Deerfield Beach, FL

Education

- M.S. Marine Biology, Nova Southeastern University (graduate classes completed, 2004)
- B.S. Biology, University of Miami, 1983

Special Qualifications

- 30+ years environmental experience in south Florida
- Extensive PD&E and permitting experience
- Former FDOT Environmental Administrator, Districts 4 & 6
- FDEP Certified Erosion and Sediment Control Inspector (2004)
- PADI Open Water, Advanced, Rescue & Nitrox

Wendy Cyriacks has over 30 years' experience in environmental analysis and impact studies, permitting and NEPA documentation. Wendy serves as Principal in Charge and/or Chief Scientist on large scale environmental projects. She has coordinated extensively with permitting agencies and has been responsible for obtaining state, federal and local environmental permits on numerous public sector projects. She has managed and/or conducted natural resource studies including wetlands, marine benthic studies, threatened and endangered species, and contamination assessments. She has also developed mitigation and monitoring plans, conducted permit compliance reviews and QA/QC reviews.

PROJECT EXPERIENCE

U.S. 1/FEC RR Structures for the Expansion of Runway 9R-27L at FLL Airport, Environmental Permitting and Compliance, Broward County Aviation Department, Broward County, FL - This major project involves design and construction of the realignment of US1 and structures that will carry Runway 9R-27L and Taxiway over US-1, FEC RR and East Perimeter Road. Project Manager responsible for the environmental permitting effort including SFWMD ERP, USACE Dredge/Fill, SFWMD and Broward County EPGMD Dewatering permits, Tree permits, Stormwater and Wetland Resource permits. Specific activities include project oversight, scheduling,

client and agency coordination and quality control.

- **Bridges of the Isles Replacement Design-Build, Environmental Permitting, FDOT District 4/City of Fort Lauderdale, Broward County, FL** – This Design Build project consists of replacing five structurally deficient bridges with new 2-lane fixed low level bridges. Project Manager responsible for environmental permitting, preparation of an Endangered Species Biological Assessment, Section 7 consultation, EFH Assessment and consultation and development of a Mitigation Plan. Conducted quality control reviews, scheduling, team coordination and all project management activities.
- **I-595/Port Everglades Expressway Corridor Improvement, Environmental Permitting, I-595 Express, LLC / FDOT District 4, Ft Lauderdale, Broward County, FL** - This Private-Public Partnership project (P3) involved major reconstruction of I-595 mainline and interchanges and extended from SW 136th Street to east of SR 7. Environmental Manager responsible for all interagency coordination, permit agency liaison, permit preparation and quality control reviews. This was a fast track project with over 25 permits being obtained within the 18 months. Permits were required from Broward County, SFWMD (ERP, R/W Occupancy and Dewatering), USACE Dredge/Fill, FDEP NPDES and several Drainage Districts. Prepared and coordinated documentation for Section 408 approval from the USACE for modification to the North New River Canal.
- **SR 786/PGA Boulevard, Environmental Permitting & Mitigation, FDOT District 4, Palm Beach County, FL** - This 2-mile long project traversed the environmentally sensitive Loxahatchee Slough and involved elevating the roadway and constructing a new bridge to reduce roadway flooding and improve flow between the north and south sides of the Loxahatchee Slough. Environmental Manager responsible for project oversight, scheduling and quality control. Major tasks involved habitat mapping 6,589 acres in Loxahatchee Slough, conducting biological evaluations, environmental permitting and development of an onsite mitigation plan. Extensive agency coordination with SFWMD, USACE and Palm Beach Environmental Resources Management (ERM) occurred during the development of the mitigation plan (hydrological improvements).
- **West Relief Bridge Replacement Permitting, Mitigation and Monitoring, Town of Bay Harbor Islands, Miami-Dade County, FL** - Responsible for obtaining environmental permits and developed a mitigation plan for impacts associated with the construction of a new bridge, located in Biscayne Bay, an Outstanding Florida water (OFW) and Aquatic Preserve. The mitigation plan involved construction an artificial reef within Biscayne Bay. Conducted marine benthic surveys to determine impacts to the benthic communities which included seagrass and hard bottom habitat. Prepared permit application packages and obtained permits from Miami-Dade County Class I, SFWMD, and USACE. Also conducted five year monitoring of the mitigation site (artificial reef).

- **SR 80/Southern Boulevard Bridge PD&E Study, Design and Permitting**, *NEPA Documentation, Permitting, FDOT District 4, Palm Beach County, FL* - This project involves the replacement of the two bridges over the Intracoastal Waterway and Lake Worth Lagoon. Project Manager responsible for preparing the NEPA documentation, Wetlands, Endangered and Threatened Species and EFH Assessment Reports. Conducted marine benthic survey for approximately 34 acres. Other activities include conducting wetland impact assessment, evaluating impacts to the environmentally sensitive resources due to construction methodology, and conducting wildlife surveys. Also responsible for obtaining permits from the USACE, USCG and SFWMD.
- **SR 710 Design-Build RFP Package Development**, *Environmental Studies & Permitting, FDOT District 4, Palm Beach County, FL* - This project extends from just west of the Martin/Palm Beach County line to the Pratt Whitney Entrance. Environmental Manager responsible for environmental permitting including development of the Environmental Resource Permit (ERP) package, coordination with SFWMD and USACE on jurisdictional wetland lines and impacts, developing UMAM, WRAP, m-WRAP and WATER functional assessment scores for preparation of Bid package for mitigation.
- **CR-714/Indian Street Widening**, *Environmental Permitting, FDOT District 4, Martin County, FL* – This project involved widening the existing 2-lane roadway and connecting to the new Indian Street/Martin Highway Bridge. Project Manager responsible for project oversight, supervision and QC of project activities including wetland delineation, agency coordination, environmental permitting, UMAMs, development of Cumulative Impacts Assessment, wood stork habitat foraging assessment and mitigation.
- **SR 997/Krome Avenue**, *Environmental Permitting, FDOT District 6, Miami-Dade County, FL* - This project involves widening Krome Ave. from Kendall Dr. to north of Tamiami Trail, from 2- to 4-lanes, includes widening the C-4 Canal Bridge. Environmental Manager responsible for the oversight and preparation of environmental permit applications (SFWMD: ERP & ROW and USACE) and Section 408 documentation. Responsibilities included evaluation of wetland impacts and wetland functional assessments, wood stork habitat foraging assessment, mitigation coordination and cumulative impact analysis.
- **SR 710 PD&E Study - Environmental Assessment/Finding of No Significant Impact**, *NEPA Documentation & Support Environmental Studies, FDOT District 4, Palm Beach & Martin Counties, FL* - Environmental Manager for a 25 mile road improvement. The project traverses extensive environmental sensitive areas including conservation lands and habitat for listed species. Responsible for managing all environmental activities including preparation of NEPA document (EA/FONSI) and support environmental documents (Endangered Species Biological Assessment, Wetlands, and Contamination). Additional responsibilities include conducting wetland/ habitat mapping of over 900 acres, preparing UMAMs, listed species surveys, wildlife crossing study, and development of wetland and species mitigation plans. Conducted extensive agency coordination with SFWMD, USACE, USFWS, FFWCC and PBC ERM.
- **Turnpike Widening PD&E Study/Design**, *Florida's Turnpike Enterprise, Broward County, FL*. The project involved conducting a PD&E study for the widening of a six-mile section of the Turnpike from south of Atlantic Boulevard to the Broward/Palm Beach County Line. Responsible for preparation of SEIR and support environmental documents including Wetlands and Endangered Species Biological Assessment reports and agency coordination. Also responsible for preparing all environmental permits including USACE, SFWMD and Broward County.
- **SR A1A Deerfield Beach PD&E Study**, *City of Deerfield Beach/FDOT District 4, Broward County, FL*. This Local Agency Program (LAP) project extends from SE 3rd St to NE 7th St through the Beach Community Redevelopment Area. Environmental Project Manager responsible for preparing all environmental studies and documentation including NEPA (Categorical Exclusion, Type 2), Endangered Species Biological Assessment Report, Contamination Screening Evaluation Report, and Noise Study Report.
- **Replacement of US 1/ SR 5 Low Level Bridges Design-Build**, *Environmental Permitting, FDOT District 4, Palm Beach County, FL*. This Design-Build project involved the replacement of four low level bridges located within an OFW/Aquatic Preserve. Environmental Manager responsible for preparation of permit applications (SFWMD, USACE, USCG) and agency coordination. Additional responsibilities included conducting a seagrass survey and mangrove delineation to defined wetland impacts. Developed avoidance/minimization plan that reduced impacts by >0.5 acre.
- **General Environmental Consulting Services**, *Environmental Studies, Permitting & Compliance, Palm Beach County Department of Airports, Palm Beach County, FL* - Environmental Manager for three separate PBC DOA General Consulting Services contract since 2009; providing miscellaneous environmental and permitting services including wildlife studies surveys (burrowing owl, gopher tortoise, wildlife hazard assessment), environmental permitting, annual SWPPP updates and compliance inspections (2010 – 2016), wetland delineations and agency coordination.



Mark Clark, M.S., CEP

Senior Environmental Scientist

Location

Deerfield Beach, FL

Education

- MS, Entomology, Rutgers University, New Jersey, 1989
- BS, University of Tampa, Tampa, Florida, 1986

Special Qualifications/Certifications

- Certified Environmental Professional (CEP) No. 0349, The Academy of Board Certified Environmental Professionals. July 1997
- USACE Certified Wetland Delineator
- FDEP Certified Erosion and Sediment Control Inspector #32220
- FDOT Water Quality Certification
Former FDOT 6 Permits Coordinator
- PADI Open Water Advanced Certification

Mr. Clark is the Chief Environmental Scientist with over 30 years of experience. He has an extensive background performing studies and investigations on biological and ecological impacts, including field evaluations, assessments, recommendations, environmental permitting, and report writing. Some of his specific responsibilities include: project management, wetland jurisdictional determination, environmental resource permitting, wetland mitigation design, mitigation monitoring, protected species coordination, seagrass mapping, endangered species assessments, permit construction compliance, coordination of environmental geographic information system (GIS) data, National Environmental Policy Act (NEPA) documentation and assistance with plans preparation. Mr. Clark has held the positions of Senior Scientist, Environmental Sciences Manager and District Permits Coordinator for the Florida Department of Transportation (FDOT), District 6.

PROJECT EXPERIENCE

Districtwide Environmental Compliance, Environmental Compliance Monitoring, FDOT District 6, Various Roads and Bridges in Monroe and Miami-Dade Counties, FL – This contract involved providing environmental compliance services for FDOT construction projects. Project Manager/Senior Scientist responsible for project management, technical and permitting support, and oversight of environmental compliance site inspections, National Environmental Policy Act (NEPA) commitments, and erosion control/SWPPP.

Responsibilities included compliance reviews for FDOT projects and managing FDOT's compliance effort throughout Miami-Dade County and the Keys.

- **SR 9/I-95 Express, Phase 3A-2, North of Commercial Boulevard to South of SW 10th Street, Environmental Permitting, FDOT District 4, Broward County, FL** – This 8.2 mile project involved the addition of express/toll lanes onto the mainline of I-95. The work included lane additions, noise barrier construction, landscaping, drainage improvements, and ITS conduit installation. The project limits contained jurisdictional swales and the C-14 Canal. Senior Environmental Scientist responsible for permitting assistance to the Design Build team related to SFWMD SWERP modifications (conceptual to construction), USACE Section 404 permit modifications and Section 408 review, and SFWMD ROW permit modifications.
- **SR 9/I-95 Express, Phase 3B-1, South of SW 10th Street to South of Glades Road, Environmental Permitting, FDOT District 4, Broward and Palm Beach Counties, FL** – This 4.7 mile project involved the addition of express/toll lanes to the I-95 mainline. The work included lane additions, noise barrier construction, landscaping, drainage improvements, and ITS conduit installation. The project limits contained jurisdictional swales and the Hillsboro Canal. Senior Environmental Scientist responsible for permitting assistance to the Design Build team related to SFWMD SWERP modifications (conceptual to construction), USACE Section 404 permit modifications, SFWMD ROW permit modifications, and USCG permit modifications.
- **Miscellaneous Districtwide Mitigation Maintenance and Monitoring Services, FDOT District 4, Various Roads, Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties, FL** - Senior Environmental Scientist provided oversight to miscellaneous environmental services such as: preparation of permit applications, wetland delineation, wetland mitigation, development of remedial plans for mitigation sites, wetland impact and mitigation analysis, mitigation credit tracking, plans review, protected species reviews, mitigation compliance monitoring, agency coordination, and permitting with SFWMD, USACE, US Coast Guard, Florida Department of Environmental Protection, and Broward County Environmental Protection and Growth Management Department (EPGMD).
- **SR 838/Sunrise Boulevard Bridge Replacement, Environmental Permitting, Estuarine Wetland Evaluation, EFH Analysis and Resource Relocation, FDOT District 4, Broward County, FL** – Senior Environmental Scientist responsible for mangrove impact determination and permitting assistance for a low-level bridge replacement over tidal waters. Other services included preparation of an Essential Fish Habitat (EFH) analysis for the mangrove impact, coordination, and assist with relocation of oysters encrusted on boulders that conflicted with construction. Coordination with the FDOT, SFWMD, National Marine Fisheries Service (NMFS), and the USACE was performed.

- **SR 822/Sheridan Street Sidewalk Design, Wetland Delineation, FDOT District 4, Broward County, FL** - This 0.9-mile project involved roadside delineation of the mangrove edge adjacent to a proposed sidewalk. Senior Environmental Scientist responsible for wetland delineation/flagging, preparation of Uniform Mitigation Assessment Method (UMAM) data sheets and analysis, coordination on wetland avoidance, plans review and ERC plans review.
- **SR 786/PGA Boulevard, Environmental Permitting, Habitat Mapping, Wetland and Protected Species Evaluations, Mitigation Design FDOT District 4, Palm Beach County, FL** - This 2.0-mile project involved elevating the roadway and construction of a new bridge to improve water flow and reduce flooding. Senior Environmental Scientist responsible for biological evaluations, habitat mapping of 6,589 acres in Loxahatchee Slough, and environmental permitting for direct and indirect impacts. Extensive coordination with SFWMD, USACE, PBERM, and FDOT was required. In addition, Mr. Clark served as part of the Technical Advisory Group (TAG) for the Design-Build phase of this project. Specific responsibilities included the technical review and coordination.
- **Florida's Turnpike Enterprise Rehabilitation of Aging Pre-Stressed Concrete Piles, Environmental Permitting, Wetland Delineation, Threatened and Endangered Species Survey, Gopher Tortoise Survey/Permitting, Palm Beach/Martin/St. Lucie/Osceola/Okeechobee Counties, FL** – Florida Turnpike Enterprise – This project proposes rehabilitation of deteriorating concrete bridge piles associated with 19 bridges at 11 locations along the Florida's Turnpike (SR-91). Mr. Clark is responsible for environmental permitting, technical oversight, and agency coordination.
- **SR 25/US 27 Mitigation and Landscape Services, Environmental Permitting and Environmental Construction Observations, FDOT District 4 (Senior Biologist), Broward County, FL** - This Design-Build project encompassed 0.3 miles and involved environmental permitting, wetland evaluation, agency coordination, wetland design (earthwork and planting), coordination of topographic and as-built surveys, as well as environmental construction observations for a voluntary freshwater wetland constructed within FDOT, District 4 right-of-way.
- **SR A1A, Shorewinds Drive to the Indian River County Line, Wildlife Evaluation, FDOT District 4, St. Lucie County, FL** - This 5.2-mile project involved the installation of a sidewalk and slope repair along SR A1A. Adjacent to this corridor are several public conservation lands with resident gopher tortoises. Senior Environmental Scientist responsible for a 30% and 100% gopher tortoise survey of the proposed work area.
- **I-95 Project Development and Environment (PD&E) Study, NEPA Documentation, Wetland and Protected Species Evaluations, FDOT District 4, Broward County, FL** - The corridor length was approximately 8.3 miles and this contract included environmental services for the FDOT's I-95 Project Development and Environment (PD&E) Study; classified as a Type 2 Categorical Exclusion. Senior Environmental Scientist responsible for wetland delineation and protected species field reviews. Regulatory agency coordination with the SFWMD and the USACE was performed and a Wetland Evaluation Report and Endangered Species Biological Assessment Report prepared.
- **SR 80/Southern Boulevard PD&E Study, NEPA Documentation, Wetland and Protected Species Evaluations, FDOT District 4, Palm Beach County, FL** - This corridor was approximately 8.5 miles long and the contract included environmental services for the FDOT'S State Road 80 PD&E Study; classified as a Type 2 Categorical Exclusion. Senior Environmental Scientist responsible for wetland delineation and protected species field reviews. Regulatory agency coordination with the SFWMD and the USACE was performed and a Wetland Evaluation Report and Endangered Species Biological Assessment Report prepared.
- **SR 9/I-95 Interchange at 6th Avenue Project Development and Environment (PD&E) Study, NEPA Documentation and Section 4(f) Determination of Applicability, FDOT District 4, Palm Beach County, FL** - This project proposed improvements to the SR 9/I-95 Interchange at 6th Avenue South in the City of Lake Worth between the 10th Avenue North Interchange and the Lantana Road Interchange. The corridor is developed with several residential neighborhoods and community features adjacent to it. Senior Environmental Scientist responsible for preparing and coordinating the socio-economic, air quality, Section 4(f) DOA, and natural resources components of this PD&E Study.
- **Advance Mitigation Credit Purchase Invitation to Bid (ITB), Environmental Mitigation, FDOT District 4, Various Roads, Various Counties, FL** – This project involved preparation of bid documents for the advance purchase of mitigation credits. The Invitation to Bid (ITB) process was used by the FDOT to competitively bid the purchase of freshwater herbaceous, forested and mangrove/saltwater credits from mitigation banks whose service areas included Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties. Services included document assistance, regulatory research, and coordination with mitigation banks, FDOT's Planning and Environmental Management and Legal Offices.



Francesca Fourney, M.S. Environmental Specialist

Office Location
Deerfield Beach, FL

Education

- MS, Marine Biology, Nova Southeastern University, 2015
- BS, Marine Biology, Nova Southeastern University, 2013

Special Qualifications/Certifications

- AAUS Scientific Diver
- PADI Divemaster #358932
- EFR, CPR, O2 First Aid
- Nitrox Diver & Gas Blender
- Visual Scuba Inspector
- CRF Volunteer Diver
- Florida Master Naturalist
- FDEP Qualified Stormwater Management Inspector #38524
- FWC Authorized Gopher Tortoise Agent

Francesca holds a Master of Science degree in Marine Biology and has five years of professional experience in the environmental consulting field working in both the public and private sectors. Francesca has worked in both laboratory and field settings; conducting research projects, analyzing complex data, and producing scientific reports. She has worked on projects which focus on environmental permitting and compliance, environmental impact assessments, marine benthic habitat monitoring and delineations, ecology and habitat restoration, wetland delineation and restoration monitoring and wildlife surveys. Francesca has experience in scientific diving along with collecting both underwater and terrestrial photographic, video, and quantitative data.

PROJECT EXPERIENCE

Districtwide Environmental Compliance, FDOT District 6, Various Roads, Miami-Dade & Monroe Counties, FL – Contract involves providing environmental compliance services for all FDOT construction projects. Environmental Scientist is proficient in obtaining necessary data from FDOT'S database such as Profile and Project Suite for information of upcoming and ongoing projects. Conducts environmental compliance inspections for numerous road and bridge construction projects through a continuing service contract. Responsibilities include reviewing roadway and bridge construction plans, permits review, preparing documentation prior to pre-construction

meetings, conducting inspections, and monitoring for landscape installations and environmental compliance issues including providing project and agency coordination during pre-construction and post-construction.

- **SR 710/Beeline Highway, Environmental Permitting and Wetland Delineation, FDOT District 4, Palm Beach County, FL** - This project involves the reconstruction and widening of SR 710 to six lanes, adding pedestrian sidewalk and bike lanes, installing new highway lighting, modifications to the ground-level SR 710/Northlake Blvd. intersection, installing new traffic signals at SR 710/Blue Heron Blvd. intersection, construction a new Florida's Turnpike bridge over SR 710, and upgrading all highway signs. Assisted with field work for wetland delineation within the new proposed pond areas, inter-agency field meetings to verify jurisdictional wetland delineations, and environmental resource permitting with SFWMD and USACE.
- **I-95 Express Lanes Phase 3B-2, Environmental Permitting, FDOT District 4, Broward and Palm Beach Counties, FL** - This project involves the design and construction of Phase 3B-2 of the Interstate 95 (I-95) Express Lane Project that extends from South of Glades Road at milepost 2.269 to South of Linton Boulevard at milepost 8.100 in Palm Beach County for a total distance of approximately 5.831 miles. The Project also includes improvements at the I-95 interchange with SR 808/ Glades Road and along SR 808/Glades Road from Renaissance Way at milepost 4.872 to West University Drive at milepost 6.083 and improvements at the I-95 interchange with CR 782/Linton Boulevard. Conducted field review of existing environmental conditions of the project corridor including tapegrass evaluation. Also assisted in providing permitting assistance to the Design Build team related to SFWMD SWERP modifications (conceptual to construction), USACE Section 404 permit modifications and Section 408 reviews, SFWMD ROW permit modifications, and USCG permit modifications.
- **I-75 Segment E, Wetland Restoration Monitoring, FDOT District 4, Broward County, FL** - Conduct wetland restoration monitoring for the I-75 Segment E Borrow Pit #3 wetland restoration area. A permit modification was issued by the USACE due to fill placed within Borrow Pit #3 and the creation of a wetland restoration area to offset additional wetland impacts on the project. Responsible for establishing and performing photo monitoring, on a quarterly basis, at three photo stations; observation of vegetation recruitment and percent cover at each photo station; prepare summary report per each monitoring event.
- **SR 806/Atlantic Avenue from SR-7/US-441 to West of Lyons Road, Wetland Delineation, FDOT District 4, Palm Beach Count, FL** - This project proposed to reconstruct existing 2-lane/ 2-way road into a 4-lane divided suburban typical with accommodations provided in the median for future ultimate 6-lane urban typical and relocation of the LWDD's L-34 Canal. Assisted with wetland and surface waters delineation within the project limits.

Francesca Fourney, M.S.
Environmental Specialist

- **I-95 from Hallandale Blvd to Hollywood Blvd Project Development & Environmental (PD&E) Services, NEPA Documentation, FDOT District 4, Broward County, FL** - This project investigates the conceptual arterial and ramp terminal improvements along Hallandale Beach Blvd., Pembroke Road, Hollywood Blvd., and the respective I-95 ramps and interchanges. Developed field methodology for fatal flaw determination. Conducted field reviews of impacted parcels for build alternatives, and potential contamination, and assist with revision of NRE sections for waterbodies/swales and parcels identified during field review.
- **I-95 Express Lanes Phase 3B-1, Environmental Permitting, FDOT District 4, Broward and Palm Beach Counties, FL** - This 4.7 mile project involves the addition of express/toll lanes onto the mainline of I-95. The work includes lane additions, noise barrier construction, landscaping, drainage improvements, and ITS conduit installation. The project limits includes jurisdictional swales and the Hillsboro Canal. This project includes milling, resurfacing, overbuild, and widening from north Hillsboro Boulevard Interchange to south of Glades Road. Assisted with mangrove delineation along the Hillsboro Canal to determine proposed impact areas. Other duties included silt fence observation within Blazing Star Preserve and including manatee information in major modification section in the SFWMD Environmental Resource Permit. These efforts were associated with permitting assistance to the Design Build team related to SFWMD SWERP modifications (conceptual to construction), USACE Section 404 permit modifications and Section 408 reviews, SFWMD ROW permit modifications, and USCG permit modifications.
- **Safety Improvements Turnpike Mainline - ERCAR, District-Wide Miscellaneous Design Services, Florida's Turnpike Enterprise, Lake County, FL** - Complete environmental evaluation for Existing Roadway Conditions Assessment Report (ERCAR) for Florida's Turnpike Enterprise in Lake County, FL. Conducted desktop analysis and subsequent field review to document current conditions. Field work involved assisting in identification of potential jurisdictional wetlands and other surface waters via aerial interpretation and ground-truthing, potential threatened and endangered species that could be present (including presence/absence bat survey), potential impacts to wetlands and qualitative Threatened and Endangered species based on recommended improvements, mitigation options, and environmental permit evaluation (existing and potential).
- **East-West Corridor (SMART Plan) Rapid Transit Project Development and Environment (PD&E) Study Services, Miami-Dade Department of Transportation and Public Works, Miami-Dade County, FL** - This project involves the development of necessary environmental documentation to comply with National Environmental Policy Act (NEPA), plus additional Project Development activities, leading to the Federal Transit Administration (FTA) Approval of the project into Engineering for the East-West Corridor Rapid Transit (SMART Plan). Assisted with Environmental Evaluation Matrix and Alternative analysis and Preliminary Engineering Report (PER).
- **Florida's Turnpike Enterprise Bridge Rehabilitation of Aging Pre-Stressed Concrete Piles, Environmental Permitting, Wetland Delineation, Threatened and Endangered Species Survey, Gopher Tortoise Survey/Permitting, FDOT District 4, Palm Beach/Martin/St. Lucie/Osceola/Okeechobee Counties, FL** - The project consists of the rehabilitation of deteriorating concrete bridge piles associated with 19 bridges at 11 locations along the Florida Turnpike (SR-91). Assisted in conducting a threatened and endangered species survey (including gopher tortoise surveys), wetland delineations, and assisting with environmental permitting through the United States Army Corps of Engineers (USACE), South Florida Water Management District (SFWMD), St. John's River Water Management District (SJRWMD), and the Lake Worth Drainage District (LWDD).
- **Flagler Street Project Development & Environmental (PD&E) Services, FDOT District 6, Miami-Dade County, FL** - This FDOT project involves the evaluation of viable alternatives to improve operational capacity along Flagler Street and SW 1st Street through implementation of premium transit service and infrastructure. Assist with Environmental Evaluation Matrix and determine ROW takes, Land Use, and Impacted Parcels per Alternative.
- **Singer Island Bridge Replacement Project, Environmental Permitting, Riviera Beach, Palm Beach County, FL** - This project involves replacing six low level residential bridges on Singer Island in Palm Beach Isles. Due to the presence of the federally threatened Johnson's seagrass (*Halophila johnsonii*) within the project footprint and potential presence of other listed species, this project requires appropriate permitting. Responsible for preparation of the necessary permits including US Coast Guard Bridge Project Questionnaire, USACE Manatee Biological Evaluation, SFWMD General ERP, and USACE Nationwide Permit application, and RAI responses including preparation of USACE 12-step mitigation plan. Also attended inter-agency pre-application meetings.



Timothy W.A. Ogle, MS

Environmental Engineer

Office Location
Deerfield Beach, FL

Education

- M.S. Environmental Engineering, University of Central Florida, 1995
- B.S. Environmental Engineering, University of Central Florida, 1991

Special Qualifications/Certifications

- Certified Traffic Noise Analyst – FDOT
- FDOT Noise Task Team
- USDOT - Transportation Research Board-ADC40/ Highway Noise Subcommittee Friend

Tim Ogle has more than 26 years of professional experience in Florida, particularly relating to transportation air quality and noise impact reviews and analyses as required by NEPA, FHWA and FDOT regulations. His expertise includes project oversight, field assessment, computerized air quality and traffic noise analyses, noise abatement design, project design change analyses and public involvement for air quality and traffic noise assessments. Mr. Ogle has been involved in transportation noise issues for the FDOT over his more than 20 year career and has conducted noise impact and barrier analyses for PD&E, Final Design and Design-Build projects on most of the primary expressways and significant surface streets in Miami-Dade County. Mr. Ogle has also performed numerous QA/QC reviews of FDOT noise studies and has conducted public involvement for FDOT projects and roadways in south Florida. Mr. Ogle has played a prominent role in conducting and reporting on air quality and traffic noise assessments for more than 50 PD&E projects statewide and

nearly as many final design projects for the FDOT and other agencies in the State of Florida.

PROJECT EXPERIENCE

- **Noise Analysis, SR 968/Flagler Street/SW 1st Street Premium Transit Study, FDOT District 6, Miami-Dade County, FL**
This project will provide Premium Transit (BRT or LRT) service and infrastructure along Flagler Street from west of the HEFT to east of I-95 and along SR 985/NW 107th Avenue from SW 8th Street to Flagler Street. Mr. Ogle is the Senior Environmental Scientist responsible for the development of the noise analysis associated with the Transit Study.
- **Noise Analysis, SR 25 (Okeechobee Road) PD&E Study, FDOT District 6, Miami-Dade County, FL** - This project proposes to improve overall traffic operations on the 9.6 mile long segment of Okeechobee Road from SR 997/Krome Avenue to NW 79th Avenue. Mr. Ogle is the Senior Environmental Scientist responsible for the development of the air and noise analysis associated with the Cat-Ex Type II for this PD&E Study.
- **Noise Analysis, SR A1A PD&E Study, FDOT District 4/City of Deerfield Beach, Broward County, FL** - This project will add lanes and improve an 0.8 mile long segment of A1A from SE 3rd Street to NE 7th Street. Mr. Ogle was the Senior Environmental Specialist responsible for the development of the air and noise analysis associated with the Cat-Ex Type II for this PD&E Study.
- **Noise Barrier Study, SR 874/Don Shula Expressway (87409) Final Design, MDX, Miami-Dade County, FL** - SW 88th Street/North Kendall Drive to SR 826/Palmetto Expressway. Completed in 2010. This project included a detailed design-phase noise barrier analysis for a project corridor located adjacent to multiple residential communities. This project also included extensive coordination with the project's design team and noise barrier specific public involvement efforts.
- **Noise Barrier Study, SR 826/Palmetto Expressway - SR 836/Dolphin Expressway Interchange Final Design, FDOT District 6, Miami-Dade County, FL** - SW 8th Street to NW 25th Street, SW 97th Avenue to SW 72nd Avenue. Completed in 2009. This project included a detailed design-phase noise barrier analysis for a project corridor located adjacent to multiple residential communities. This project also included extensive coordination with the project's design team.
- **Air & Noise Analysis, SR 826/Palmetto Expressway Express Lanes PD&E/CE Type II, FDOT District 6, Miami-Dade County, FL** - Roadway improvements (including express lanes) along an approximately 6 mile long segment of SR 826/Palmetto Expressway from SR 836/Dolphin Expressway to SR 932/NW 103rd Street. Mr. Ogle was the Senior Environmental Scientist responsible for the development of the air and noise analysis associated with the CE Type II.

Timothy W.A. Ogle, MS

Environmental Engineer

- **Noise Analysis**, *Districtwide Environmental Data and Report Consultant, FDOT District 6, Miami-Dade County and Monroe County, FL* - Air Quality and Noise Specialist for numerous projects in FDOT District 6. Tasks include conducting noise analyses for roadways such as NW 107th Avenue, I-195 and SR 826; preparing NEPA documentation and reevaluations for various District 6 projects; noise-related public involvement and responding to citizen's complaints; noise policy and guideline development for District 6 and Statewide including Chapter 17 of Part 2 of the PD&E Manual and Chapter 32 of the Plans Preparation Manual; and, in-house transportation noise-related training.
- **Air & Noise Analysis**, *Project Development and Environment (PD&E) Study for Golden Glades Interchange SR 826 / Palmetto Expressway Eastbound to I-95 Northbound, FDOT District 6, Miami-Dade County, FL* - This project proposes to provide a direct connection between eastbound SR 826 and northbound I-95 along with other operational improvements. Mr. Ogle is the Senior Environmental Scientist responsible for the development of the air and noise analysis associated with the Cat-Ex Type II for this PD&E Study.
- **Noise Analysis**, *SR 997/Krome Avenue South EIS, FDOT District 6, Miami-Dade County, FL* - This project will add lanes and improve an approximately 10-mile long segment of Krome Avenue from SW 296th Street/Avocado Drive to SW 136th Street/Howard Drive in the south Miami-Dade County. Mr. Ogle was the Senior Environmental Scientist responsible for the development of the noise analysis for the DEIS and FEIS.
- **Noise Analysis**, *SR 924/Gratigny Parkway Western Extension PD&E/CE Type II, Miami-Dade Expressway Authority (MDX) Miami-Dade County, FL* - This project will extend SR 924/Gratigny Parkway to the approximately 4.3 miles to west in northwestern Miami-Dade County between SR 826 and the HEFT. Mr. Ogle was the Senior Environmental Scientist responsible for the development of the noise analysis associated with the CE Type II. The project is anticipated to receive approval and LDCA by FHWA in early 2014.
- **Noise Barrier Analysis**, *SR 826/Palmetto Expressway Final Design, FDOT District 6, Miami-Dade County, FL* - This project widened and improved five segments of the SR 826 corridor between US-1 and I-75. This project also included extensive design phase coordination and public involvement efforts and build phase noise analysis/coordination. Mr. Ogle conducted the Final Design noise barrier analysis and portions of the project's public involvement program. Completed under Districtwide Miscellaneous Environmental Services contract.
- **Air & Noise Analysis**, *SR 836/Dolphin Expressway PD&E Study, FDOT District 6, Miami-Dade County, FL* - This project widened and improved SR 836 between NW 17th Avenue and I-95. Mr. Ogle was the Senior Environmental Scientist for the development of the air and noise analysis associated with the SEIR for this PD&E Study.
- **Air & Noise Analysis**, *I-75 Express Lanes PD&E Study, FDOT District 6, Miami-Dade County, FL* - This project widened, improved and added express lanes along an 8.6 mile long segment of I-75 from SR 826/Palmetto Expressway to the Miami-Dade/Broward County line and along SR 826 from NW 103rd Street to NW 154th Street. Mr. Ogle was the Senior Environmental Scientist responsible for the development of the air and noise analysis associated with the Cat-Ex Type II for this PD&E Study.
- **Air & Noise Analysis**, *SR 80/Southern Boulevard PD&E Study, FDOT District 4, Palm Beach County, FL* - CR 880 to Forest Hill Boulevard. Responsibilities include PD&E phase traffic noise impact and air quality analyses for the project corridor.
- **Noise Barrier Analysis**, *CR 714/SW Martin Highway Final Design, FDOT District 4/Martin County, Martin County, FL* - This project will add lanes and improve an approximately 1.9 mile long segment of Martin Highway from Florida's Turnpike to west of Mapp Road. Mr. Ogle was the Senior Environmental Specialist responsible for the development of the Final Design noise barrier analysis.

Professional Profile

Larry has over 30 years of experience as an electrical engineer in the areas of electric utilities, water and wastewater utilities, solid waste, pump stations, airport electrical systems, architectural projects, telecommunications, intelligent transportation systems, traffic signalization, signal timing, roadway and specialty lighting. He demonstrates skills in engineering and design, project management, client relations, and staff administration.

Education

BS - Electrical Engineering, Florida Atlantic University, 1987

Post Graduate Research - Electrical Engineering (Telecommunications), Florida Atlantic University, 1987-1988

Licenses/Certifications

Florida P.E. No. 45997

North Carolina P.E. No. 033663

Technical Assistance Analyst, Florida No. T-0828

Awards

Florida Engineering Society, Outstanding Service to the Profession 2010-2011

Florida Engineering Society, Engineer of the Year 2007 - 2008

Professional Societies

Florida Engineering Society, State President 2017-2018

Institute of Transportation Engineers, Gold Coast Chapter

American Society of Civil Engineers, Palm Beach Chapter

Years with SEC:

20

Years of Experience:

31

Project Experience

City of Jacksonville, Collins Road Intersection - Larry served as the engineer of record for the design and construction management of a new signalized intersection. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

Palm Beach County, Lilac Street and Military Trail Intersection - Larry served as the engineer of record for the design and construction management of a new signalized intersection for Palm Beach Gardens High School. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.

FDOT I-75 Broward County Segments A, B - Larry served as the engineer of record for the design and construction management of one (1) Toll Building and one (1) ITS Hub Shelter Building including all internal equipment and equipment on the overhead gantries including card readers, cameras, etc. The ITS design included construction plans and specifications for traffic control systems, closed circuit television camera systems, detection systems, and automatic vehicle identification systems. Interconnection with the state fiber optic cable network was engineered into the building for connection to real-time traffic control systems, dynamic message signs, and traffic engineering and traffic control software. Larry served as a part of the Construction Engineering Inspection (CEI) team and oversaw the system installation, startup, and testing.

The ITS Hub Shelter Building was designed in accordance with Miami-Dade County criteria including an indoor LP gas generator. Larry provided the engineering design, including written specifications for the digital system hardware, electrical service and power distribution system, standby power system, lightning protection, hardware interconnect, fiber optic network, local area network, wide area network, internet communications, and data recording and transmission. Multiplexing and modulating techniques were used throughout the various communications networks.

FDOT I-75 Broward County Segments C, D - Larry served as the engineer of record for the design and construction management of three (3) Toll Buildings and one (1) ITS Hub Shelter Building including all internal equipment and equipment on the overhead gantries including card readers, cameras, etc. The ITS design included construction plans and specifications for traffic control systems, closed circuit television camera systems, detection systems, and automatic vehicle identification systems. Interconnection with the state fiber optic cable network was engineered into the building for connection to real-time traffic control systems, dynamic message signs, and traffic engineering and traffic control software. Larry served as a part of the Construction Engineering Inspection (CEI) team and oversaw the system installation, startup, and testing.



Project Experience

Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida

Electrical engineer of record for the design of the design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

Becker Road Sidewalk Lighting, City of Port St. Lucie, Florida

Electrical engineer of record for design of Phase 2 for approximately 4500 feet of sidewalk lighting. Responsible for electrical systems, including new decorative lighting poles and fixtures along Becker Road. The electrical system included two new electrical service points. Calculations for the sidewalk illumination were made in accordance to city requirements.

Lake Shore Drive, Town of Lake Park, Florida

Electrical engineer of record for design of roadway and sidewalk lighting for approximately 5000 feet. Responsible for electrical systems, including new decorative lighting poles and fixtures along Lake Shore Drive. The electrical system include new electrical service point for storm water pump station. Calculations for the sidewalk and roadway illumination were made in accordance to town's requirements.

Tamarind Ave., City of West Palm Beach, Florida

Electrical engineer of record for design of roadway and sidewalk lighting for approximately 5000 feet. Responsible for electrical systems, including new decorative lighting poles and fixtures along Tamarind Avenue. The electrical system include new electrical service points. Calculations for the sidewalk and roadway illumination were made in accordance to city requirements.

Atlantic Blvd Lighting, City of Pompano Beach, Florida

Electrical engineer of record for design of roadway lighting from SE 20th Ave. to A1A. Responsible for new decorative type lighting poles and fixtures along Atlantic Blvd. Photometric calculations for the roadway & sidewalk illumination were made in accordance to FDOT and city requirements.

Briny Avenue and Atlantic Blvd Intersection, City of Pompano Beach, Florida

Electrical engineer of record for design of roadway lighting for approximately 2500 feet of Briny Ave. and the intersecting roadways. Responsible for new turtle lighting poles and fixtures along Briny Ave, Atlantic Blvd. and the side roadways. Photometric calculations for the roadway illumination were made in accordance to FDOT and City of Pompano Beach requirements.

Professional Profile

Lexi has professional experience since 2010. Has a keen understanding of engineering principles, standards and techniques. She is an innovative thinker, capable of envisioning and developing complex engineering solutions. Possesses abilities to, analyze, solve and communicate ideas and recommendations for engineering challenges to achieve project objectives. Assists engineers with arranging work flow priorities and project designs.

Software Skills

AutoCAD, MicroStation, AGI32, Synchro, HCS7, Microsoft Office

Education

BS - Civil Engineering, Florida Atlantic University, 2010

Post Graduate Research - Civil Engineering, Florida Atlantic University, 2010-2012

Professional Societies

Institute of Transportation Engineers, Gold Coast Chapter, Past President

Florida Engineering Society, Palm Beach Chapter- Math Counts Committee Chair

American Society of Civil Engineers, Palm Beach Chapter

Years with SEC:

2

Years of Experience:

9

Project Experience

Clematis Streetscape 100, 200, 400, 500 & 600 Blocks, City of West Palm Beach, Florida

Project engineer for the design of the ongoing design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block pilot project. The 100 & 200 blocks were completed in Dec. 2019. Construction for the 500 Block began in April 2020 the remaining blocks are expected to be completed in early 2021.

District Wide Signalized Intersection Modernization, Chicago DOT, Chicago Illinois.

Engineer responsible for retrofitting overhead lighting and updating signal and pedestrian crossing heads, inductive loop vehicle detection, installation of PTZ cameras, and emergency vehicle preemption, at over 25 intersections. Responsible for plans production including signal retiming, curb reconstruction, cable diagrams, and cable plans and in some cases temporary cable plans.

SR 90 (SW 8th Street) at SW 87th Avenue PD&E Study, FDOT District 6, Miami-Dade County, FL.

Traffic engineer for an arterial grade separation improvement study to elevate 4 lanes of thru traffic at an urban intersection in Miami Dade County. Performed traffic analysis of existing traffic conditions, No Build and Build Alternatives using a combination of Synchro and VISSIM. Assembled methodology and results in Design Traffic Technical Memorandum. Responsible for environmental and contamination data collection, field verification and documentation of findings in GIS database and documentation in preparation and assembly of the Socio-Cultural Evaluation, Contamination Screen Evaluation Report.

SR 847 PD&E Study, FDOT District 6, Miami-Dade County, FL. Traffic Engineer responsible for conducting analysis of the existing traffic data, determining LOS and future traffic forecasts. Modeled the existing conditions and the design alternatives of the SR-847 corridor. Responsible for conducting long range cost estimates for studied alternatives. Responsible for managing PD&E document preparation, facilitating the ERC process and collaborating with appropriate engineers for requested implementation of revisions.

SCAT Passenger Mile Sampling Plan, Sarasota County, FL. Traffic engineer responsible for creating an interface to generate randomly selected bus routes from a database. Selected routes were surveyed on a monthly basis for a year-long passenger mile sampling survey following National Transit Database Reporting Manual procedure. Performed calculations to determine unlinked passenger trips and passenger miles traveled. Responsible for providing client with monthly progress reports and compiling a final report documenting project background, project process, and monthly and yearly findings.

Alico Road Widening Project Design Phase Traffic Analysis, Lee County Department of Transportation, Lee County, FL. Traffic engineer responsible for analyzing changes in traffic patterns to future land use plans, extracting future traffic information from regional planning model, annualizing existing raw traffic counts, developing annual traffic growth rate, developing peak hour traffic turning movement volumes, analyzing existing and proposed intersection geometry in Synchro, determining new intersection geometry for revised future lane use expectations, reviewing and summarizing crash history. Responsible for documentation of findings and preparing supplemental report for the original PD&E due to the future land use changes.

Professional Profile

Steve has extensive experience in design and construction management of roadway lighting and signalization for local, county and FDOT roadways. Some of his experience includes lighting design for signalized intersections, pedestrian crosswalks, sidewalks, express lanes, bridges, landscape and underdeck lighting. In addition to his experience on roadway projects, Steve has substantial experience in the electrical design of water and wastewater treatment facilities, master lift stations, water reuse facilities, pumping stations, operational and maintenance complexes, water control structures, solid waste facilities and normal and standby generation systems.

Software Skills

AutoCAD, MicroStation AGI 32, LitePro, E-TAP, Microsoft Office

Education

2 years- Electrical/Mechanical Engineering-Broward Community College

Licenses/Certifications

Notary Public

Professional Societies

BICSI Telecommunications Association

Years with SEC:

14

Years of Experience:

39

Project Experience

Briney Avenue and Atlantic Blvd Intersection, City of Pompano Beach, Florida

Project manager for design of roadway lighting for approximately 2500 feet of Briny Ave. and the intersecting roadways. Responsible for new turtle lighting poles and fixtures along Briny Ave, Atlantic Blvd. and the side roadways. Photometric calculations for the roadway illumination were made in accordance to FDOT and City of Pompano Beach requirements.

North Flagler Drive Lighting, City of Fort Lauderdale, Florida

Project manager for design of roadway lighting from Andrew Ave. to Sunrise Blvd. Responsible for new decorative type lighting poles and fixtures along N. Flagler Drive. Photometric calculations for the roadway illumination were made in accordance to city requirements.

Atlantic Blvd Lighting, City of Pompano Beach, Florida

Project manager for design of roadway lighting from SE 20th Ave. to A1A. Responsible for new decorative type lighting poles and fixtures along Atlantic Blvd. Photometric calculations for the roadway & sidewalk illumination were made in accordance to FDOT and city requirements.

Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida

Project Manager for a design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

Tamarind Avenue Lighting Upgrades, City of West Palm Beach, Florida

Project Manager for design of electrical systems, including new decorative lighting poles and fixtures, along Tamarind Avenue from Banyan Blvd. to Palm Beach Lakes Blvd. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.

Becker Road Sidewalk Lighting, City of Port St. Lucie, Florida

Project manager for design of Phase 2 for approximately 4500 feet of sidewalk lighting. Responsible for electrical systems, including new decorative lighting poles and fixtures along Becker Road. The electrical system included two new electrical service points. Calculations for the sidewalk illumination were made in accordance to city requirements.

Lee Reumann, PLS
Subsurface Utility Engineering

EDUCATION

Bachelor of Science in Geomatics	University of Florida	2013
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LICENSE/TRAINING

Professional Surveyor & Mapper	License #:	7222
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Years with InfraMap: 2

Years with other firms: 6

Mr. Reumann has over six years of experience in land surveying, general civil engineering, and project management. Mr. Reumann has been the project manager for large route surveys for engineering design purposes, construction surveys for multiple multi-million dollar facilities, boundary surveys, topographic surveys, ALTA/ACSM surveys, specific-purpose surveys and various other survey projects. He is proficient with AutoCAD Civil3D and managing/processing data. His consistent efforts have enabled numerous land surveying and civil engineering projects to be completed on time and within budget.

PROJECT EXPERIENCE:

Flagler Memorial Bridge Project, West Palm Beach, FL: Serving as project manager, Mr. Reumann performed a highly accurate construction survey for a bridge crossing the intracoastal. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), calculating construction layout design points and structures using AutoCAD Civil3D, and obtaining as builts throughout construction. Mr. Reumann coordinated with various subcontractors throughout the duration of the project to meet critical scheduling deadlines.

Palm Beach County Water Utilities Department Water Main Replacement/Relocation Projects, Palm Beach County, FL: Serving as project manager, Mr. Reumann performed several large route surveys for engineering design purposes (several miles of water main replacement and/or relocation). Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), collecting field data as leader of field crew, processing data using AutoCAD Civil3D, creating digital terrain models using AutoCAD Civil3D, depicting right-of-way locations, obtaining as builts during construction, and preparing record drawings.

Harbor Chase Assisted Living Facilities Project, Palm Beach Gardens & Wellington, FL: Serving as project manager, Mr. Reumann performed construction surveys for two large assisted facilities. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), calculating construction layout design points and structures using AutoCAD Civil3D, obtaining as builts throughout construction, and performing an updated ALTA/ACSM survey on one of the sites.

BallenIsles Country Club Clubhouse Renovation Project, Palm Beach Gardens, FL: Serving as project manager, Mr. Reumann performed an updated boundary survey and construction survey for a country club clubhouse renovation. Survey efforts included managing field crews from an office role, calculating construction layout design points and structures using AutoCAD Civil3D, processing data and performing detailed quality assurance and quality control of the field work, and preparing record drawings.

Kings Point Roadway Replacement Project, Delray Beach, FL: Serving as project manager, Mr. Reumann performed a detailed topographic survey, with an emphasis on identifying potential drainage issues, for engineering design purposes. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), collecting field data as leader of field crew, processing data using AutoCAD Civil3D and performing detailed quality assurance and quality control of the field work, creating digital terrain models using AutoCAD Civil3D, and identifying areas of concern in regards to drainage.



ANDRES GARCIA

Subsurface Utility Engineering

EDUCATION

Palm Beach State College Palm Beach, FL Associates in Science

Certification:

InfraMap Training Program for Utility Locating & Designating Certification/Instructor
ATSSA, Traffic Control Supervisor Certification, August 2000
Confined Space Entry Training Program Certification (OSHA 1910.146)
FUCC Utility Coordination Discussion Seminar Regular Attendee
CSX Roadway Worker Protection Annual Certification

KEY QUALIFICATIONS

Mr. Garcia has performed utility locating assignments for InfraMap Corp in Florida, Virginia, Maryland, Georgia and Alabama since 1998. He currently is a Senior Utility Location Manager and is proficient with utility designating, performing test holes and utility CADD. Mr. Garcia’s responsibilities include utility designation and test hole project management, attending utility scoping meetings, obtaining permits, records research, traffic control supervision, field data collection, quality control of the field work and FDOT Standards Compliance for each delivered submittal. His duties also include vacuum excavation equipment maintenance. Mr. Garcia has excelled as a survey party chief with experience in Total Station survey and data collector knowledge (electronic field book, TDS functions, and three wire bench runs and GPS/RTK on several designating and utility locating projects). His assistance in the survey EFB data collection compliance further adds to InfraMap’s knowledge and experience. His role as Senior Utility Location Manager is obtaining utility records and ROW permits, QA/QC, supervisory of field crews, meeting with utility company personnel and Maintenance of Traffic (MOT) set up.

Experience with InfraMap: 22

Experience with other firms: 1

PROJECT EXPERIENCE:

FDOT District 4 - District-Wide Utility Locating Services Contract # C-9161: InfraMap has provided utility designating, air/vacuum test holes, survey and EFB/CAiCE/MicroStation CADD on highway projects in District 4 in support of the District’s pre-design program through private consultants and in-house design program. InfraMap has had a district-wide utility locating contracts since 1996. Reference: Mr. Jeff Smith, District Surveyor (954) 777-4579.

FDOT District 6 District-Wide Utility Locating Services Contract # C-9C12: InfraMap has provided utility designating, air/vacuum test holes, survey and EFB/CAiCE/MicroStation CADD on highway projects in District 6 in support of the District’s pre-design program through private consultants and in-house design program. InfraMap has had consecutive district-wide utility locating contracts since 1997. Reference: Mr. Tony Soto, Project Manager (305) 470-5232.

FDOT District 4 – District-Wide Survey Services Contract # C9906:

InfraMap provides utility designating, air/vacuum test holes, and EFB/CAiCE/MicroStation CADD on survey projects. We are a sub-consultant to Bowman Consulting. Reference: Mr. Adam Dao, PSM (772) 283-1413.

FDOT District 4 – District-Wide Survey Services Contract # C9160:

InfraMap provides utility designating, air/vacuum test holes, and EFB/CAiCE/MicroStation CADD on survey projects. We are sub-consultant to Biscayne Engineering Inc. Reference: Mr. Mike Bartholomew, President (305) 324-7671.



Ike Rooks is a principal of the firm with more than 32 years of professional experience. He has been a registered FL Professional Surveyor & Mapper (#5416) since 1994. During his career, Ike has managed hundreds of transportation related photogrammetric mapping projects for Counties, Cities, Municipalities, FDOT, and Airport Authorities. Ike is responsible for project management, QA/QC and coordination/communication of project issues and scope to the various IFR team members. Ike ensures all project requirements are met and offers extensive familiarity with FDOT standards, procedures, practices, and guidelines. His experience with the FDOT includes managing aerial photography / photogrammetry projects in each of the 8 Districts. Ike is a member of the Florida Surveying & Mapping Society and the American Society for Photogrammetry and Remote Sensing.

EDUCATION

Valdosta State University (1988)
BA-(Finance/Economics)

REGISTRATIONS

Professional Surveyor & Mapper
5416 Florida (1994)

MEMBERSHIPS

ASPRS
FSMS

PROJECT EXPERIENCE

West Park Various Off-Systems (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing and Helicopter photo mission to acquire imagery for 2D planimetric mapping delivered in MicroStation and color digital mosaic @ 1"=40' HMR & TIF format.

University Drive from S of NW 40th to Sawgrass Expressway (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing and Low altitude helicopter photo mission to acquire imagery for 2D Planimetric mapping, 3D DTM and digital mosaic @ 1"=40' TIF and HMR format.

Prospect Road from SR 870 to SR 811 (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed Wing and Low Altitude Helicopter photo mission to acquire film for a 3D Design File (Microstation SS4) and 1" = 40' Digital Mosaic in HMR and TIF Format

NW 21st Ave. from Oakland Park Blvd. to Commercial Blvd. (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing and Low altitude helicopter photo mission to acquire imagery for 2D Planimetric mapping, 3D DTM and digital mosaic @ 1"=40' TIF and HMR format.

SR 817 / University Drive from S of Nova Dr to I-595 Ramp (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D Planimetric mapping and digital mosaic @ 1"=40' TIF and HMR format.

SR 817 / University Drive from S of NW 40th to Sawgrass Expressway (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing and Low altitude helicopter photo mission to acquire imagery for 2D Planimetric mapping, 3D DTM and digital mosaic @ 1"=40' TIF and HMR format.

SR 822 from SE 7th Ave. to Anne Kolb (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping delivered in MicroStation and color digital mosaic @ 1"=40' HMR & TIF format.

SR 811 from Atlantic Blvd. to NW 16th St. (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping and color digital mosaic @ 1"=40' in HMR & TIF format.

[SR A1A from County Line to Hollywood Blvd. \(Broward County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping, and color digital mosaic @ 1"=40' TIF and HMR format.

[SR824/Pembroke Rd from E of I-95 to US1 \(Broward County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping and 1"=40 Color Digital Mosaic in TIF & HMR format.

[I-95 from Martin County Line to Bridge Rd. \(Broward County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing and Low altitude helicopter photo mission to acquire imagery for 2D Planimetric mapping, 3D DTM and digital mosaic @ 1"=40' TIF and HMR format.

[SR76 from West of I-95 to East of Monterey Road \(Martin County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Low Altitude (Helicopter) & Fixed-wing photo mission to acquire imagery for 2D planimetric mapping (Microstation), 3D DTM/Tin Files (Microstation), and color digital mosaic @ 1"=40' in TIF and HMR format

[SR802 from SR7 to Jog Road \(Palm Beach County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping, and color digital mosaic @ 1"=40' TIF and HMR format.

[I-95 from South of SR706 to S of CR708 \(Palm Beach and Martin County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping, Cross Sections every 1000' on I-95 and 500' on Side Streets (Microstation) and color digital mosaic @ 1"=40', " = 100 and 1" = 400' in TIF and HMR format.

[SR808 from Boca Lakes Dr. to the Florida Turnpike](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping delivered in MicroStation, and color digital mosaic @ 1"=40' TIF and HMR format.

[SR80 from West of Lion Country Safari Rd to Forest Hill \(Palm Beach County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Low-Altitude and Fixed-wing photo mission to acquire imagery for 2D planimetric mapping, 3D DTM/Tin Files (Microstation) and 1"=40 Color Digital Mosaic in TIF & HMR format.

[I-95 from Becker Rd to S of SR70 \(Martin and St. Lucie County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping, Cross Sections every 500' (Microstation) and color digital mosaic @ 1"=40' and 1" = 100' in TIF and HMR format.

[SR5/US1 S. of Ocean Blvd. to N. of Beach Rd \(Palm Beach County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for 2D planimetric mapping and color digital mosaic @ 1"=40' in HMR & TIF format.

[Jog Road Bridge Widening over the C-51 Canal \(Palm Beach County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Fixed-wing & Low Altitude photo mission to acquire imagery for 2D planimetric mapping and color digital mosaic @ 1"=40' in HMR & TIF format.

[SR 710 Bridge Replacement \(Martin County\)](#)
FDOT District 4

I.F. Rooks was contracted to perform a Low Altitude (Helicopter photo mission) to acquire imagery for 3D DTM and 2D planimetric mapping.



Mr. McKay is an accomplished geospatial professional with 37 years of technical, managerial and leadership experience within the private sector disciplines of surveying, photogrammetric mapping, LiDAR and related geospatial services. He is a Florida licensed Professional Surveyor and Mapper as well as an ASPRS Certified Photogrammetrist. Experience includes the organization and management of major domestic and foreign surveying and mapping projects for rail, highway, electric and oil / gas transmission corridors. Business associations include federal, state and local government agencies, private sector engineering and surveying firms. During his career, Mr. McKay has served as the project manager, client liaison, direct of business development, technical compliance manager and/or surveyor of record for numerous state and local agency project undertakings.

EDUCATION

Algonquin College
Photogrammetric Technician Diploma (1982)
Pierrefonds Comprehensive High School
Academic Certificate (1977)
Continuing Education: Ongoing

ACADEMIC & PROFESSIONAL AFFILIATIONS

Photogrammetrist Technical Diploma from Algonquin College, Ottawa, ON (1982)
Registered Professional Surveyor and Mapper, State of Florida (1995) No. 5435
American Society of Photogrammetry & Remote Sensing (ASPRS, 1987) No. 10898
Certified Photogrammetrist (1998) ASPRS No. 1114

WORK EXPERIENCE

August 2017 – Present
I. F. Rooks & Associates, LLC

September 2014 – August 2017
Mapping Resource Group, Inc.

September 2007 - September 2014
The Base Mapping Co. Ltd.

March 2005 - August 2007
I.F. Rooks & Associates Inc.

December 1998 - February 2005
The Base Mapping Co. Ltd.

May 1990 - November 1998

PROJECT EXPERIENCE

Prospect Road from SR 870 to SR 811 (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed Wing and Low Altitude Helicopter photo mission to acquire film for a 3D Design File (Microstation SS4) and 1" = 40' Digital Mosaic in HMR and TIF Format

I-595 Extension Design Build (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4

Washington St. and 72nd Ave. Mobility Improvements (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

US 27 Safety Improvements (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery of the corridor and provide a digital mosaic 1"= 40' in HMR & TIF format.

SW 40th Ave. from Sterling Rd to Griffin Rd (Broward County)

FDOT District 4
I.F. Rooks was contracted to perform a Fixed Wing photo mission to acquire imagery for 2D planimetric mapping and 1" = 40' digital mosaic in HMR and TIF format.

[SR 84 and I-75 \(Broward County\)](#)

FDOT District 4

I.F. Rooks was contracted to perform a Fixed wing and Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

[I-75 \(Alligator Alley\) Rest Areas \(Broward County\)](#)

FDOT District 4

I.F. Rooks was contracted to perform a Fixed wing and Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

[SR 802 from W of Raulerson Dr to E of Palm Beach State College \(Palm Beach County\)](#)

FDOT District 4

I.F. Rooks was contracted to perform a Fixed wing and Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

[I-95 Express \(Palm Beach County\)](#)

FDOT District 4

I.F. Rooks was contracted to perform a Fixed wing and Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

[I-95 from Gateway Blvd. to Lantana Rd. \(Palm Beach County\)](#)

FDOT District 4

I.F. Rooks was contracted to perform a Fixed wing and Low Altitude Helicopter photo mission to provide a 3D Design File in Microstation SS-4 and digital mosaic 1"=40' (HMR & TIF format.)

[US 98 from Edgewood Dr. to Main St. \(Polk County\)](#)

FDOT District 1

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for production of b/w digital mosaic @ 1"=40', 1"=200 and 1"=400' in HMR and TIF format.

[SR 684 from SR 789 to 123rd St. \(Manatee County\)](#)

FDOT District 1

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for production of b/w digital mosaic @ 1"=40', 1"=200 and 1"=400' in HMR and TIF format.

[CPP from SR570 to SR35 \(Polk County\)](#)

FDOT Turnpike District

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire imagery for production of b/w digital mosaic @ 1"=40', 1"=200 and 1"=400' in HMR and TIF format.

[SR A1A from 28th St. to 9th St. and 18th St. to Osprey Drive \(Flagler County\)](#)

FDOT District 5

I.F. Rooks was contracted to perform a Fixed-wing and Low Altitude Helicopter photo mission to acquire film to provide a 3D Design File (Microstation SS-4) and digital mosaics 1"= 50' and 1"=200' in HMR & TIF format.

[SR-25 / US-27 \(Palm Beach County, Florida\)](#)

Acquire black/white aerial photography at a scale of 1" = 300' to support 1" = 50' 2D planimetric mapping for ± 10.1 miles along the 400' project corridor'. CAD data delivered in MicroStation format per FDOT specifications.

[US 1 from Canal St. to Beville Road \(Volusia County\)](#)

FDOT District 5

I.F. Rooks was contracted to perform a Fixed-wing photo mission to acquire film of the corridor and provide a digital mosaic 1"= 200' in HMR & TIF format.

[I-95 from S of Moncrief Creek to SR111 \(Duval County\)](#)

FDOT District 2

I.F. Rooks was contracted to perform a Low Altitude - Helicopter photo mission to acquire five (5) lines of color digital imagery with a ground sample distance (GSD) of 0.04' for the project corridor (± 2-miles). Deliverables included a 3D Design File (MicroStation SS-4) at 1" = 20' and digital mosaic @ 1" = 50' per FDOT Specifications.

[SR80 from US27 to E. of Canal Bridge, \(Palm Beach County\)](#)

Acquire color aerial photography at a scale of 1" = 200' for ± 4.5 miles along project corridor to support 1" = 40' 2D planimetric mapping and color digital mosaic. CAD data delivered in MicroStation format and the digital mosaic was provided in HMR format per FDOT specifications.



SCOTT W. PEAVLER, R.L.A.
 PROJECT MANAGER LANDSCAPE ARCHITECT

Mr. Peavler’s responsibilities include site planning, landscape and hardscape design, tree removal and relocation plans in AutoCAD and presentation graphics, utilizing knowledge of local and state regulations involved in land development on a range of projects. Coordinating with Clients, City officials, and other consultants to obtain project input and approvals. Has direct client contact. Preparation of color renderings of landscape plans for presentation.

Relevant Experience:

NE 38th Street Complete Streets Project | Oakland Park, Florida | Landscape Architect - The consulting services included landscape and streetscape enhancement, a complete storm sewer system, a roundabout to replace an existing traffic signal, traffic calming devices, utility coordination and relocation, and full roadway reconstruction. The main project objective was to discourage truck traffic and redirect cut-through traffic from NE 38th Street to alternate routes between Andrews Avenue and NE 11th Avenue. This project required permit approvals from Broward County Environmental Protection Department (EPD), and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project utilizes FDOT LAP funding for construction.

Miramar Historical Area Complete Streets Project, Phase I | Miramar, Florida Lead Landscape Architect - Craven Thompson & Associates was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.

NE 5th Avenue Roadway & Streetscape Improvements | Oakland Park, Florida Landscape Architect - This 0.6-mile roadway project consisted of reconstruction of a two (2) lane roadway, paver intersection and crosswalks, addition of parallel parking stalls, 3,000 linear feet of water main replacement, 2,500 linear feet of storm drain installation, sidewalks, landscaping and irrigation, lighting and franchise utility service placement underground.

Landscape Peer Plan Review | Coconut Creek, Florida Review Landscape Architect - Mr. Peavler serves as reviewer of all DRC submittals on behalf of the City which include landscape and hardscape elements.



CRAVEN THOMPSON & ASSOCIATES, INC.

Firm:

Craven Thompson & Associates, Inc.

3563 NW 53rd Street
 Fort Lauderdale, Florida 33309

Education

Kansas State University,
 Bachelors of Landscape
 Architecture (2005)

Years of Experience

Total: 15; With Firm: 11

Licenses/Certifications

Florida Registered
 Landscape Architect:
 LA6666976 (2008)

SCOTT W. PEAVLER, R.L.A. (continued)

Township Buffer | Coconut Creek, Florida | Project Manager - The Township Buffer Restoration project is a 5-year Multi-Phase project to reestablish and improve the Township buffers along the main arterial roadways in the City, as well as the major internal neighborhood roads within the Township. Along with the prepared construction documents, the design project included a comprehensive set of guidelines to provide direction for the buffer restoration, which was developed through coordination with stakeholders.

69th Street Greenway Design Guidelines | Coconut Creek, Florida | Landscape Architect

Mr. Peavler worked with the City to develop and prepare an illustrative Design Guidelines package complete with conceptual plans and typical sections to give future developers an understanding of the design intent for the 69th Street Greenway. The Design Guidelines package included landscape guidelines, plans, typical sections, plant palettes, typical lighting elements, and site amenities per the City of Coconut Creek standards.

Hallandale Beach City-Wide Master Plan – Landscape Architecture | Hallandale Beach, Florida | Landscape Architect/Project Manager - The City of Hallandale Beach hired Craven Thompson to produce a citywide master plan that functions as a comprehensive document that assessed various infrastructure improvements, both underground and surface, and utilizes the outcome as a basis for preparing construction documents and acquiring funding. This includes City-Wide Master Planning for the 2,800 acres including sidewalk, landscaping, hardscape, median enhancement, complete streets, bike lanes, local roads, sidewalk, and lighting. Craven Thompson provided recommendations for future streetscape corridors, bike lane and greenway planning, and schematic landscape for the City. A full storm water master drainage plan was performed in conjunction with this project. Craven Thompson developed a Capital Improvement Plan and schedule.

Stunson Nature Trail | Oakland Park, Florida | Landscape Architect

The City recently converted an underutilized piece of land used primarily for the storage of stormwater runoff into a park demonstrating the region's various ecological zones. Serving as a site to continue holding stormwater but now connects of a string of County and City parks further providing open space and natural habitat. Project contributions included site design, compiling the native plant list, landscape design, and interpretive signage.

Powerline Road Median Improvements | Oakland Park, Florida | Landscape Architect

This project included tree relocation, new landscaping & irrigation while coordinating between the City and the Florida Department of Transportation (FDOT). Craven Thompson assisted the City with submitting for and obtaining the Florida Highway Beautification Council Grant which funded \$100,000 of the construction costs.

NE 14th Avenue Streetscape Improvements | Hallandale Beach, Florida | Landscape Architect

Mr. Peavler assisted in the Landscape/streetscape design for the NE 14th Avenue Streetscape Improvements. The project corridor is approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14th Avenue; landscape screening adjacent to two (2) stormwater pump stations.

Sunrise Bicycle/Pedestrian, Greenways and Trails Master Plan | Sunrise, Florida | Landscape Planner

Craven Thompson along with Alta Planning + Design was hired by the City of Sunrise to prepare a Bicycle / Pedestrian Greenways & Trails Master Plan. The Plan defines a system of sidewalks, bike lanes, paths, greenways and trails within the City of Sunrise that provides integrated and continuous corridors for non-motorized transportation and recreation throughout the city in a manner that is sensitive to the needs of various user groups, the natural and built environment, the management and maintenance, and potential funding capabilities.



JOSEPH D. HANDLEY, R.L.A.
 PRINCIPAL LANDSCAPE ARCHITECT

Mr. Handley has been involved in a broad range of landscape architectural, parks, complete streets, and streetscape projects in South Florida for the past thirty-five years. Joe is widely familiar with client needs and project requirements and processes. He is responsible for overseeing the preparation and processing of plats, site, landscape, hardscape, streetscape and irrigation plans; utilizing his knowledge of local, state and federal regulations involved in land development. He has direct client contact to obtain project input and approvals, responsible for completion of projects on time and within budget.



CRAVEN THOMPSON & ASSOCIATES INC.

Firm:

Craven Thompson & Associates, Inc.

3563 NW 53rd Street
 Fort Lauderdale, Florida 33309

Education

Clemson University, B.S. in
 Ornamental Horticulture
 (1976 - 1980)

University of Georgia /
 Louisiana State University,
 Attended Masters' Program
 in Landscape Architecture
 (1981 - 1984)

Years of Experience

Total: 37; With Firm: 32

Licenses/Certifications

Florida Registered
 Landscape Architect:
 LA0001368 (1990)

Relevant Experience:

NE 38th Street Complete Streets Project | Oakland Park, Florida

Landscape Architectural Project Manager - The consulting services included landscape and streetscape enhancement, a complete storm sewer system, a roundabout to replace an existing traffic signal, traffic calming devices, utility coordination and relocation, and full roadway reconstruction. The main project objective was to discourage truck traffic and redirect cut-through traffic from NE 38th Street to alternate routes between Andrews Avenue and NE 11th Avenue. This project required permit approvals from Broward County Environmental Protection Department (EPD), and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project utilized FDOT LAP funding for construction.

Miramar Parkway & Miramar Boulevard Median Enhancements | Miramar, Florida

Principal Landscape Architect - The project is along Miramar Parkway from the Florida Turnpike to Palm Avenue and along Miramar Boulevard from University Drive to Palm Avenue. The project includes landscaping and hardscape for two main thoroughfares through the City of Miramar. The medians lack aesthetic appeal and require various beautification enhancements. This is Phase I of a multi-phased project. The project requires permitting through the City and Broward County Construction and Highway Engineering Department. Craven Thompson is providing surveying and landscape architecture

NE 34th Court Complete Streets Project | Oakland Park, Florida | Principal

Landscape Architect - The landscape, streetscape and engineering services include full roadway reconstruction design, storm water management ICPR modeling and design, utility coordination and relocation, landscape and streetscape enhancement, and all associated jurisdictional permitting. This project required permit approvals from Broward County Environmental Protection Department (EPD), Broward County Health Department, and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project utilized FDOT LAP funding for construction.

JOSEPH D. HANDLEY, R.L.A. (continued)

Sunrise Bicycle/Pedestrian, Greenways and Trails Master Plan | Sunrise, Florida Principal Landscape Architect - Craven along with Alta Planning + Design was hired by the City of Sunrise to prepare a Bicycle / Pedestrian Greenways & Trails Master Plan. The Plan defines a system of sidewalks, bike lanes, paths, greenways and trails within the City of Sunrise that provides integrated and continuous corridors for non-motorized transportation and recreation throughout the city in a manner that is sensitive to the needs of various user groups, the natural and built environment, the management and maintenance, and potential funding capabilities of local government.

Citywide Median Landscape Beautification Conceptual Design | Lauderhill, Florida | Principal Landscape Architect - The goal of the project was to obtain a consistent enhancement theme reflecting the design aesthetic of the City of Lauderhill. This included conceptual design only. The project limits include the medians located within the City right-of-way for the street sections listed below:

- NW 44th Street from University to Inverrary Boulevard west
- NW 19th Street and intersection with NW 55th Avenue
- NW 12th Street from NW 42nd Way to SR7/441
- NW 16th Street from NW 46th Terrace to NW 38th Avenue
- NW 26th Street from NW 41st Avenue to SR7/441
- NW 38th Avenue from NW 19th Street to NW 18 Court
- NW 38th Avenue from NW 38th Way to NW 5th Court
- NW 36th Avenue from W Broward Boulevard to NW 1st Court
- NW 33rd Avenue from W Broward Boulevard to NW 4th Street

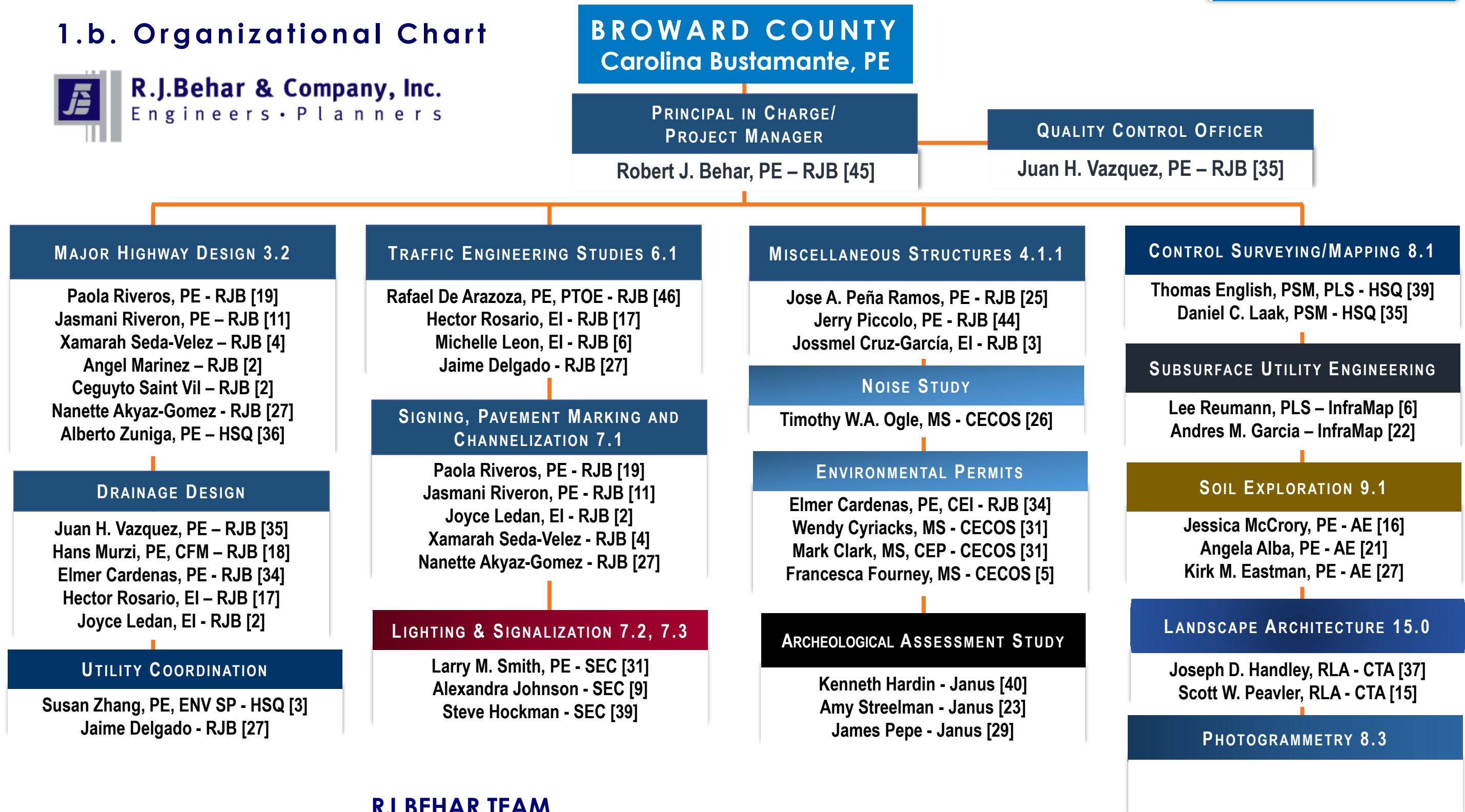
Indian Creek Drive Greenway Project | Miami Beach, Florida | Principal Landscape Architect

The primary goal of the Indian Creek Drive Greenway Project was to design a greenway master plan concept that improves the landscape aesthetics and pedestrian experience along the Indian Creek Waterway. The project includes the restoration and enhancement of the landscape buffer with the introduction of a diverse, low-maintenance, tropical, Florida Friendly, naturalized, and native plant pallet that encourages the return of the area's natural fauna, and promotes the ecology of the waterway for the benefit of the general public. We included a continuous pedestrian connection from the 41st Street bridge southward to the 29th Street pedestrian bridge and onward to form a connection at 25th Street and Collins Avenue. The plan restores vegetation to buffer noise and light pollution and to increase privacy for the residents of the Flamingo Drive Neighborhood. The landscape design also maximized the views to the creek along its entire length while considering CPTED principles for pedestrian safety.

Floranada Road Traffic Calming Improvements | Oakland Park, Florida | Landscape Architectural Project Manager - This project involved landscape architecture, professional engineering services for the design and permitting of traffic calming and other roadway improvements. The City of Oakland Park was seeking to implement traffic calming measures to enhance the safety of pedestrians and automobiles on Floranada Road between Dixie Highway and Federal Highway. Improvements surveyed, designed and permitted by Craven Thompson included traffic roundabouts at the roadway intersections with NE 13th Avenue and NE 16th Avenue. Two traffic chokers were installed at NE 15th Ave. and at NE 15th Terrace.

NW 21st Avenue, Broward County Right of Way | Broward County, Florida | Lead Landscape Architect
This 1.2-mile roadway project consisted of widening the existing three (3) lane roadway (north-south and bi-directional turn lane) to a five (5) lane roadway (2 north-south travel lanes and a bi-directional turn lane). The Project included a 72" Diameter regional storm drain system that will provide flood protection to approximately 500 acres of existing developments. The work included approximately 5,000 linear feet of water main and force main installation, curb and gutter, landscaping and irrigation, lighting and signalization. Joe served as the Lead Landscape Architect for the Project.

1.b. Organizational Chart



RJ BEHAR TEAM

- R.J. Behar & Company, Inc. (RJB)
- AREHNA Engineering, Inc. (AE) {CBE}
- HSQ Group, Inc. (HSQ) {CBE}
- JANUS Research (JANUS)
- Cyriacks Environmental Consulting Services (CECOS) {CBE}
- Smith Engineering Consultants, Inc. (SEC) {CBE}
- InfraMap Corp (InfraMap)
- I F Rooks & Associates, LLC. (IFR)
- Craven Thompson & Associates, Inc. (CTA)

**[Years of Experience]

Tab 1b. Professional Licenses & Certifications

R.J. BEHAR & COMPANY, INC. – Professional Licenses and Certifications

R.J. Behar & Company, Inc.
Lic. #: CA 8365 – Expiration: 2/28/2021



Robert J. Behar, PE
Lic. #: PE 21755 – Expiration: 2/28/2021



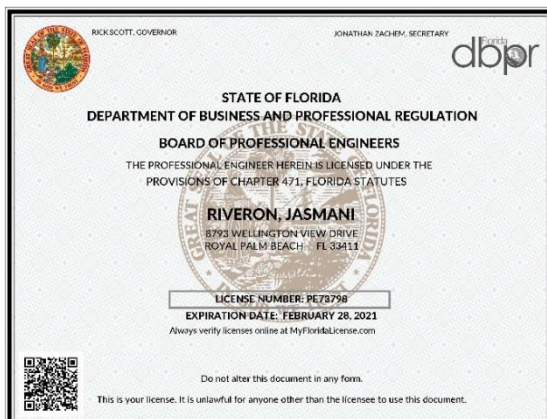
Paola A. Riveros, PE
Lic. #: PE 74249 – Expiration: 2/28/2021



Juan H. Vazquez, PE
Lic. #: PE 51143 – Expiration: 2/28/2021



Jasmani Riveron, PE
Lic. #: PE 73798 – Expiration: 2/28/2021



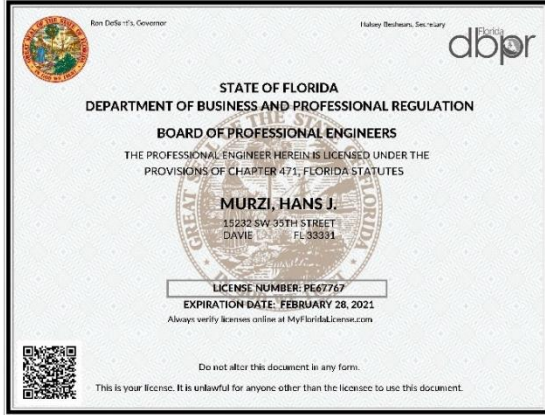
Rafael E. De Arazoza, PE
Lic. #: PE 24487 – Expiration: 2/28/2021



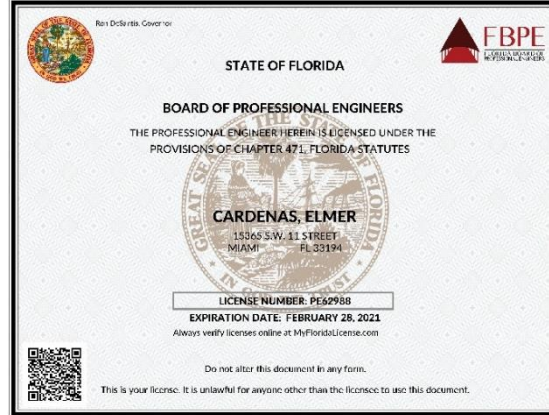
BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



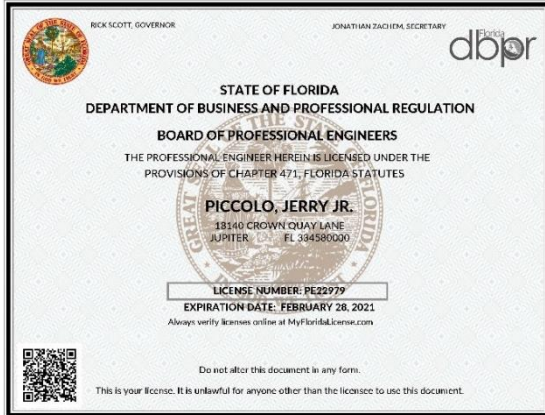
Hans J. Murzi, PE
Lic. #: PE 67767 – Expiration: 2/28/2021



Elmer Cardenas, PE
Lic. #: PE 62988 – Expiration: 2/28/2021



Jerry Piccolo, PE
Lic. #: PE 22979 – Expiration: 2/28/2021



Jose A Peña-Ramos, PE
Lic. #: PE 67863 – Expiration: 2/28/2021



Technical Certification

Robert J. Behar, PE – FDOT
Temporary Traffic Control (TTC) – 8/27/2023



Rafael E. De Arazoza, PE, PTOE
Transportation Professional Certification Board Inc.
Professional Traffic Operations Engineer (PTOE)



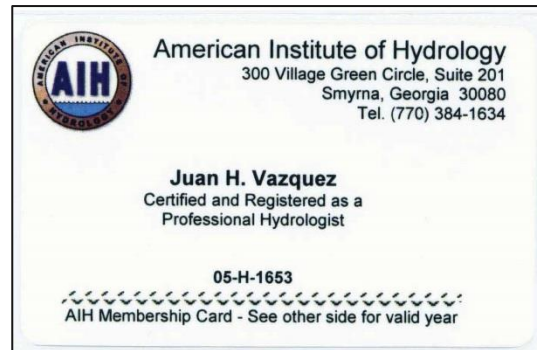
**BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE**



**Juan H. Vazquez, PE, PH, BCEE
Board Certified Environmental Engineer**



**Juan H. Vazquez, PE, PH, BCEE
Professional Hydrologist**



**Paola Riveros, PE – University of Florida
Transportation Institute – Designing Safer
Roads for Pedestrians and Bicyclists WEBINAR**



**Paola Riveros, PE – FDOT – Manual on
Intersection Control Evaluation (ICE) Training
for Managers/Approvers**



**Paola Riveros, PE – FDOT
Roundabouts Design Training**



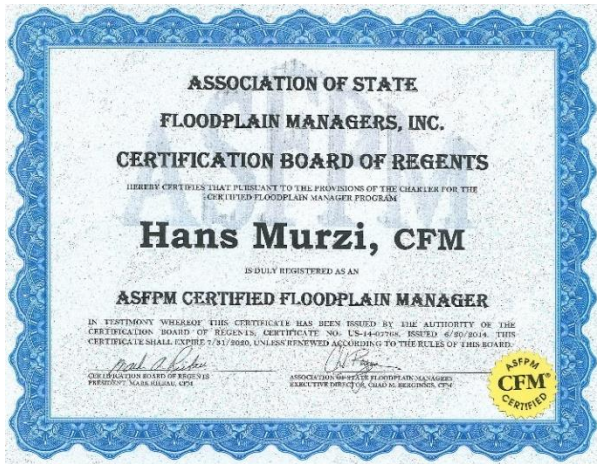
**Paola Riveros, PE – FDOT
Temporary Traffic Control (TTC) – 10/10/2023**



BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



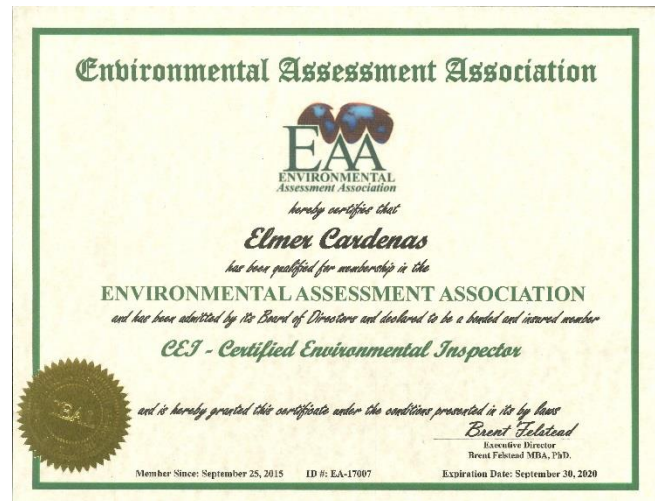
Hans Murzi, PE, CFM
Certified Floodplain Manager – Exp.: 7/31/2020



Hans Murzi, PE, CFM
Qualified Stormwater Management Inspector



Elmer Cardenas, PE, CEI
Environmental Assessment Association
Certified Environmental Inspector
Expiration: 9/30/2020



Michelle Leon, EI – FDOT
Temporary Traffic Control (TTC)
Exp.: 2/20/2023



Michelle Leon, EI
Qualified Stormwater Management Inspector



BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



AREHNA Engineering, Inc.
AREHNA Engineering, Inc.
Lic. #: CA 28410 – Expiration: 2/28/2021



Jessica Ann McRory, PE
Lic. #: PE 68440 – Expiration: 2/28/2021



Angela L. Alba, PE
Lic. #: PE 58538 – Expiration: 2/28/2021



Kirk M. Eastman, PE
Lic. #: PE 50733 – Expiration: 2/28/2021

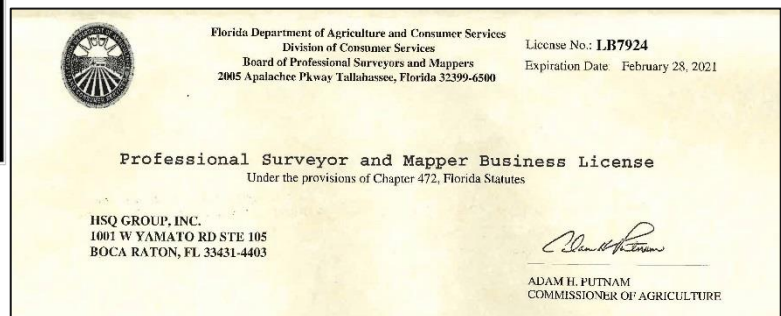


HSQ Group, Inc.

HSQ Group, Inc.
Lic. #: CA 26258 – Expiration: 2/28/2021



Professional Surveyor and Mapper Business License
No.: LB7924 – Expiration: 2/28/2021

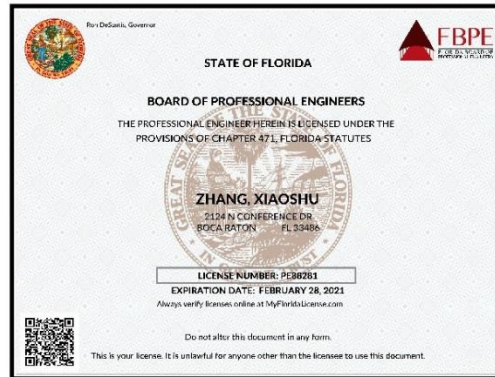
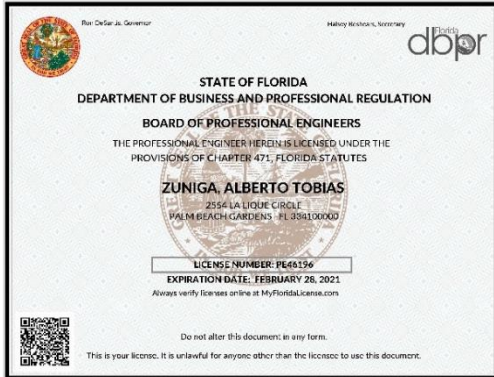


**BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE**



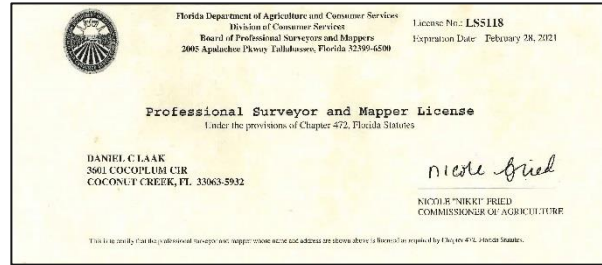
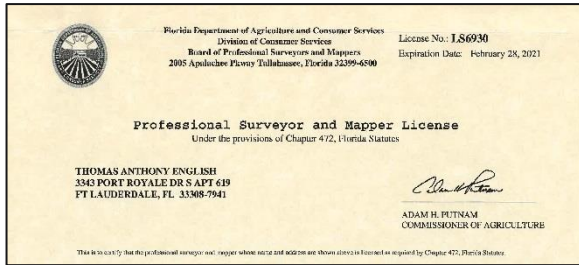
Alberto Tobias Zuniga, PE
Lic. No.: PE 46196 – Expiration: 2/28/2021

Xiaoshu Zhang, PE
Lic. No.: PE 88281 – Expiration: 2/28/2021



Thomas Anthony English, PSM, PLS
Lic. No.: LS 6930 – Expiration: 2/28/2021

Daniel C. Laak, PSM
Lic. No.: LS 5118 – Expiration: 2/28/2021



Smith Engineering Consultants, Inc.

Smith Engineering Consultants, Inc.
Lic. #: CA 8228 – Expiration: 2/28/2021



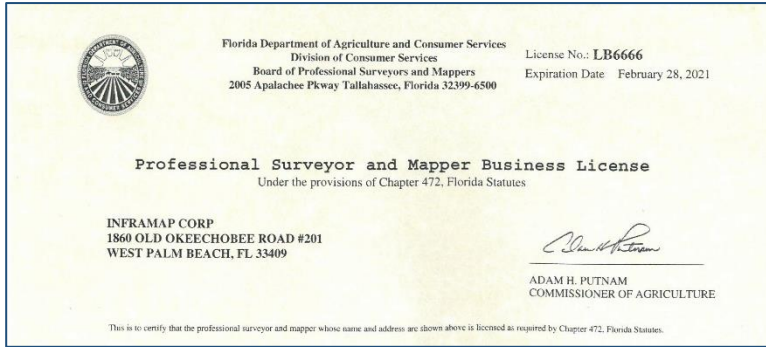
Larry Michael Smith, PE
Lic. #: PE 45997 – Expiration: 2/28/2021



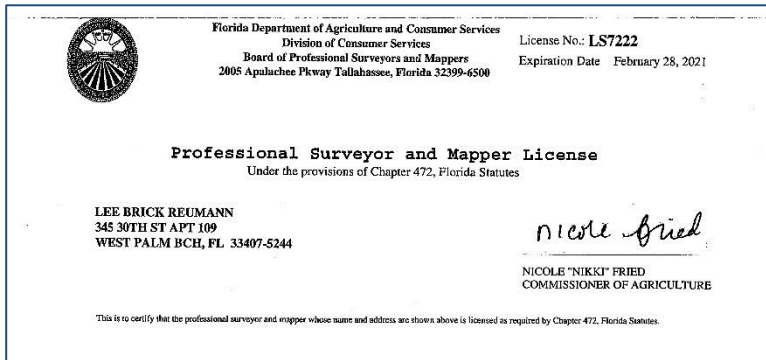
BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



InfraMap Corp.

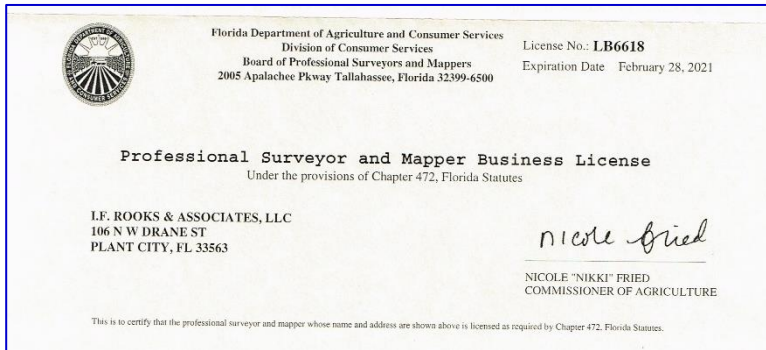


Professional Surveyor and Mapper Business License
No.: LB 6666 – Expiration: 2/28/2021



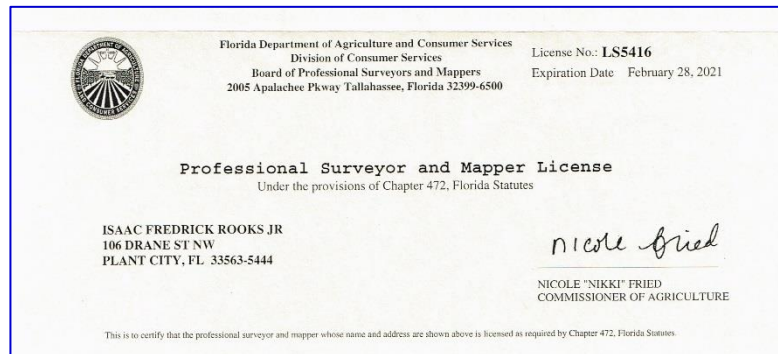
Lee Brick Reumann, PLS
No.: LS 7222 – Expiration: 2/28/2021

I.F. Rooks & Associates, LLC

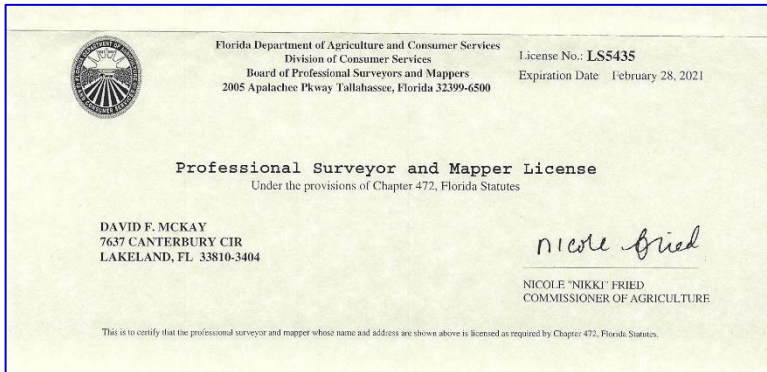


Professional Surveyor and Mapper Business License
No.: LB 6618 – Expiration: 2/28/2021

Issac Frederick Rooks, Jr., PSM
No.: LS 5416 – Expiration: 2/28/2021



BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



David F. McKay, PSM
No.: LS 5435 – Expiration: 2/28/2021

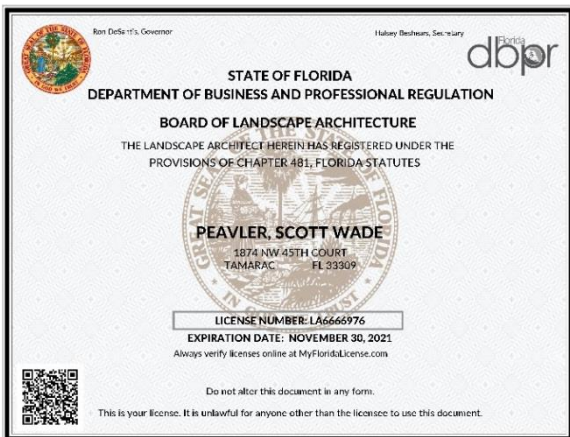
Craven Thompson & Associates, Inc.

Craven Thompson & Associates, Inc.
Lic. #: LCC 000114 – Expiration: 11/30/2021



Scott Wade Peavler, RLA
Lic. #: LA 6666976 – Expiration: 11/30/2021

Joseph Davis Handley, RLA
Lic. #: LA 0001368 – Expiration: 11/30/2021




FDOT Prequalification Form

PNC2120376P1 Consulting Services for Pine Island Road from Griffin Road to Nova Drive

FDOT Pre-Qualification	Name of Firm	Identify Prime and/or Sub-Consultant
3.2 "Major Highway Design".	R.J. Behar & Company, Inc. / HSQ Group, Inc.	<input type="text" value="Prime and Subconsultant"/>
4.1.1 Miscellaneous Structure	<input type="text" value="R.J. Behar & Company, Inc."/>	<input type="text" value="Prime"/>
6.1 Traffic Engineering Studies	<input type="text" value="R.J. Behar & Company, Inc."/>	<input type="text" value="Prime"/>
7.1 Signing, Pavement Marking and Channelization	<input type="text" value="R.J. Behar & Company, Inc."/>	<input type="text" value="Prime"/>
7.2 Lighting	<input type="text" value="Smith Engineering Consultants, Inc."/>	<input type="text" value="Subconsultant"/>
7. 3 Signalizations	<input type="text" value="Smith Engineering Consultants, Inc."/>	<input type="text" value="Subconsultant"/>
8.1 Control Surveying	<input type="text" value="HSQ Group, Inc."/>	<input type="text" value="Subconsultant"/>
9.1 Soil Exploration	<input type="text" value="AREHNA Engineering, Inc."/>	<input type="text" value="Subconsultant"/>

Tab 1. FDOT Prequalification

R.J. Behar & Company, Inc.
FDOT Pre-qualification Certification Letter – June 30, 2021



Florida Department of Transportation

605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

June 26, 2020

Robert Behar, President
R. J. BEHAR & COMPANY, INC.
 6861 SW 196th Avenue, Suite 302
 Pembroke Pines, Florida 33332

Dear Mr. Behar:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
 - 4.1.1 - Miscellaneous Structures
 - 4.1.2 - Minor Bridge Design
- Group 5 - Bridge Inspection
 - 5.1 - Conventional Bridge Inspection
- Group 6 - Traffic Engineering and Operations Studies
 - 6.1 - Traffic Engineering Studies
 - 6.2 - Traffic Signal Timing
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection

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Group 13 - Planning

- 13.3 - Policy Planning
- 13.4 - Systems Planning
- 13.5 - Subarea/Corridor Planning
- 13.6 - Land Planning/Engineering
- 13.7 - Transportation Statistics

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

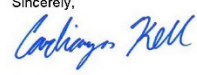
Approved Rates						
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
170.60%	134.38%	0.185%	Excluded	No	1.37%	1.36%*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



AREHNA Engineering, Inc.
FDOT Pre-qualification Certification Letter – June 30, 2020



AREHNA | Engineering, Inc.

Florida Department of Transportation

605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

December 30, 2019

Jessica McRory, President
AREHNA ENGINEERING, INC.
5012 West Lemon Street
Tampa, Florida 33609

Dear Ms. McRory:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 9 - Soil Exploration, Material Testing and Foundations

- 9.1 - Soil Exploration
- 9.2 - Geotechnical Classification Laboratory Testing
- 9.3 - Highway Materials Testing
- 9.4.1 - Standard Foundation Studies
- 9.4.2 - Non-Redundant Drilled Shaft Bridge Foundation Studies
- 9.5 - Geotechnical Specialty Laboratory Testing

Group 10 - Construction Engineering Inspection

- 10.3 - Construction Materials Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

Approved Rates						
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
160.33%	121.19%*	1.916%	Reimbursed	No	7.44%	5.72%**

*Interim Rates
 **Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

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**Currently Under Review –
 Will be sent as soon as
 approved.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

 Carliayn Kell
 Professional Services
 Qualification Administrator

HSQ Group, Inc.
FDOT Pre-qualification Certification Letter – June 30, 2021



Florida Department of Transportation
 605 Suwannee Street
 Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

June 30, 2020

Nour Shehadeh, Vice President
 HSQ GROUP, INC.
 1001 Yamato Road, Suite 105
 Boca Raton, Florida 33431

Dear Mr. Shehadeh:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.3 - Signalization
- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
 - 8.4 - Right of Way Mapping
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
163.97%	80.45%	0.496%	Excluded	No	4.38%	0.00%*

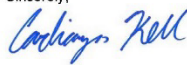
*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

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www.fdot.gov



Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

 Carliayn Kell
 Professional Services
 Qualification Administrator

JANUS Research, Inc.
FDOT Pre-qualification Certification Letter – June 30, 2021



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

This Office has completed a review of the self-certification information submitted by Janus Research, Inc. for the period ending December 31, 2019. The rates we have accepted are listed below. The direct expense rate is limited to the department cap. **If this Company is prequalified in a work type, the expiration date should coincide with the prequalification expiration date.**

REVIEW OF SELF-CERTIFICATION

CONSULTANT NAME	Janus Research, Inc.	F/Y Ended	12/31/19	Rate Expiration Date	6/30/21
CPA'S NAME	Self-Certification	DATE OF RECEIPT	6/23/20	Cert. DATE	6/22/20

REPORT STATUS

REJECTED	OT PREMIUM	Reimb. Actual Expenses
X	Excluded <small>(Excluded or Reimb)</small>	NO

COST BASED RATES

OVERHEAD		DIRECT EXPENSE		FCCM	Published Fee Schedule
Home	Field	Home	Field		
108.53%		7.52%		0.000%	NO
<i>Capped</i>					

FID# 59-1913512

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www.fdot.gov


Jeffrey B. Owens
 Procurement Office
 Florida Department of Transportation
 850-414-4539
jeffrey.owens@dot.state.fl.us

Please note that Florida has a broad public records law and that all correspondence, including e-mail, may be subject to disclosure. However, Indirect Cost Rate information is protected by Title 23 U.S. Code 112.

Smith Engineering Consulting, Inc.
FDOT Pre-qualification Certification Letter – February 28, 2021



Smith Engineering
Consultants, Inc.



Florida Department of Transportation

605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

February 28, 2020

Larry M. Smith, President
SMITH ENGINEERING CONSULTANTS, INC.
2161 Palm Beach Lakes Boulevard, Suite 312
West Palm Beach, Florida 33409

Dear Mr. Smith:


The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 6 - Traffic Engineering and Operations Studies
 - 6.2 - Traffic Signal Timing
 - 6.3.1 - Intelligent Transportation Systems Analysis and Design
 - 6.3.2 - Intelligent Transportation Systems Implementation
 - 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
- Group 7 - Traffic Operations Design
 - 7.2 - Lighting
 - 7.3 - Signalization

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until February 28, 2021 for contracting purposes.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

CBHK/kw

www.fdot.gov

InfraMap Corp.
 FDOT Prequalification Certification Letter – July 24, 2020



Florida Department of Transportation

RON DESANTIS
 GOVERNOR

605 Suwannee Street
 Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
 SECRETARY

July 24, 2019

Paul Hayes, President
 INFRAMAP CORP.
 10365 Cedar Lane
 Glen Allen, Virginia 23059

**Valid but Currently Under Review
 by FDOT– Will be sent as soon
 as approved.**

Dear Mr. Hayes:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
 - 8.4 - Right of Way Mapping

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

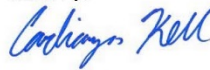
Approved Rates

Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
214.17%	1.143%	Excluded	No	8.11%

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
 Professional Services
 Qualification Administrator

www.fdot.gov

I.F. Rooks & Associates, LLC
FDOT Pre-qualification Certification Letter – June 30, 2021



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

July 7, 2020



I.F. ROOKS
SOLUTIONS THROUGH PHOTOGRAMMETRY

Isaac Rooks, Jr., President
I.F. ROOKS & ASSOCIATES, LLC
106 NW Drane Street
Plant City, Florida 33563

Dear Mr. Rooks:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 8 - Survey and Mapping
- 8.3 - Photogrammetric Mapping

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

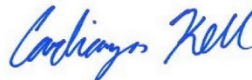
Approved Rates

Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
241.31%	4.422%	Reimbursed	No	21.63%

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

Safety, Mobility, Innovation
www.fdot.gov

Craven Thompson & Associates, Inc. (CTA)
FDOT Pre-qualification Certification Letter – June 30, 2021



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

July 2, 2020

Thomas McDonald, President
CRAVEN, THOMPSON & ASSOCIATES, INC.
3563 NW 53rd Street
Fort Lauderdale, Florida 33309

Dear Mr. McDonald:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
- Group 15 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

Approved Rates

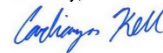
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
151.82%	0.002%	Reimbursed	No	0.00%

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Safety, Mobility, Innovation
www.fdot.gov

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

Tab 2) Project Approach

Tab 2. PROJECT APPROACH

INTRODUCTION:

Broward County passed a one penny sales tax in November of 2018. The focus of the surtax funded municipal projects is to prioritize and deliver the 709 projects submitted by municipalities included in the Plan passed by voters. In addition, roadway improvements such as roadway and drainage projects, plus numerous studies, Broward County Transit service enhancements, and data and technology research are in full swing. The County is currently working on a collaborative 5-year Plan due July 1, 2020 to the Independent Transportation Surtax Oversight Board and the Broward County Board of County Commissioners for approval. The Plan will include public engagement opportunities around large projects.



The Pine Island Road from Griffin Road to Nova Drive Project will play a vital role in delivering the projects identified and approved by the County Commission and the Surtax Oversight Board. **RJ Behar** performed the Construction Engineering and Inspection (CEI) services for the Pine Island Road from Nova Drive to SR 84 project enabling us to better understand the design and constructability issues of this corridor. Furthermore, we are one of two consultants who perform permit reviews for the Central Broward Water Control District (CBWCD), enabling us to have the unique experience on what the permitting requirements will be for the project. Our proposed Project Manager (PM) is Mr. Robert Behar, PE. He was the PM for the SR 818/Griffin Road from SR 7 to Palm Avenue Project, which had very similar project issues as the Pine Island Road Project. As residents of Broward County, the **RJ Behar Team** is fully cognizant of the importance for delivering these projects in a timely manner with emphasis on quality.

PROJECT APPROACH:

The following section will involve the **Project Approach** as outlined in Solicitation PNC2120376P1. We will address our understanding of the project scope, our approach to managing this project, how **RJ Behar** intends to meet key milestones, the management of our subconsultants, identifying potential issues or challenges related to the project and our approach to resolving and identify any potential solutions.

(a) APPROACH TO THE PROJECT

RJ Behar's design approach to the projects is best summarized as follows:

- **Field Review:** Prior to submitting a staff hour estimate, we recommend a prenegotiations field review meeting with the Broward County PM, Carolina Bustamante, to evaluate the project goals and agree on a final scope of services. At this meeting, the County may invite a multidisciplinary group of key Broward County personnel to solicit input regarding roadway, structures, drainage, traffic design/operations, maintenance, and construction issues. We find this process to be extremely productive. **RJ Behar** has already conducted several field reviews to be better familiarized with the project issues.
- **Kick-Off Meetings:** Upon receiving notice to proceed, a kick-off meeting is scheduled. Key personnel from Broward County and the **RJ Behar Team** will be invited to discuss the approved scope, clarify any project issues, team responsibilities, project management protocol, lines of communication will be confirmed and action items established.
- **Data Collection:** All the required information will be requested through **RJ Behar's** PM, which may include existing field surveys, geotechnical data, traffic data, ROW maps, utilities, existing permits, accident reports and as-built plans. **RJ Behar** has already obtained most of these documents.
- **Establish a Project Schedule:** **RJ Behar** will develop and present a project schedule to Broward County's PM and will provide any adjustments requested by the County's PM.
- **Plans Production:** The following are key milestones that our PM will track closely: 1) submit quality control (QC) plan for approval, 2) utility contacts, 3) schedule a pre-application meeting, 4) schedule a meeting with the Department of Historical Resources (archeological sites) and other stakeholders, 5) prepare pavement design,

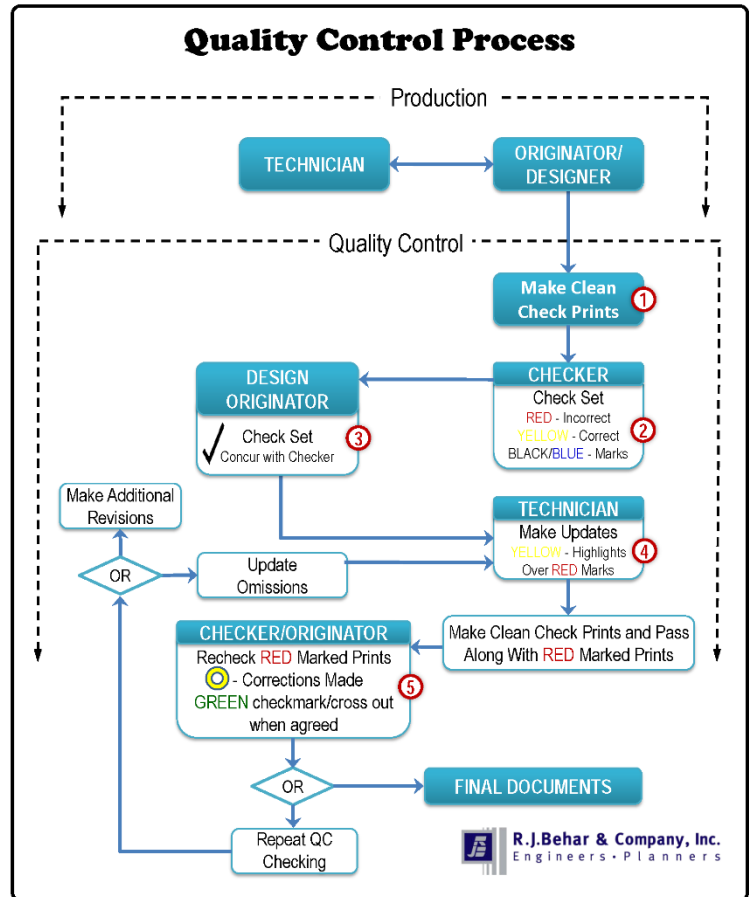
6) submit a typical section package, 7) submit design variances/exceptions (if applicable), 8) Phase I plans, 9) Phase II plans, 10) schedule a Utility Predesign Meeting, 11) request SUEs (if necessary), 12) submit the permit package, 13) hold a public meeting, 14) Phase III plans, 15) verify all permits clear, 16) receive utility clear from all UAOs, 17) submit 100% Plans, 18) Phase IV Plans and 19) Final Plans, Specs and Estimates. Each major submittal will comply with County Standards and go through a QC process. **RJ Behar** has prepared preliminary concept plans for the entire corridor. Please refer to the end of this section.

- Quality Control Process:** **RJ Behar** has developed a Quality Assurance Manual (QAM), which addresses quality control. **RJ Behar's** QAM covers engineering calculations, engineering reports, construction cost estimates, plans submittals, computation books and other documents required for the project. **RJ Behar** is solely accountable for the delivered product, including the quality of our subconsultants' product. Our PM is responsible for the implementation of **RJ Behar's** QAM. Our process is as follows:

QC Personnel: An autonomous group of senior level technical reviewers will be assigned.

QC Reviews: All reviews will be separated into three major areas: 1) Engineering traffic/design criteria, 2) Plans/Reports preparation, cross reference review and 3) Constructability review.

QC Process: The process starts with the 1) Originator, 2) Sent to a checker 3) Sent back to the originator who reviews these, 4) Originator and checker meet to discuss the comments, 5) Comments are implemented and 6) Plans/reports are back-checked. All these steps will require an initial and date on a Quality Control Stamp by the individual(s) involved.



Bluebeam Revu: We own and utilize Bluebeam Revu software, which allows us to interactively share QC comments with our Project Team.

Constructability/Biddability Reviews: Nestor Santana, PE will oversee these activities. He will be looking for: 1) lack of consistency between plans, specs, and utility and permit agreements, 2) ensuring that all pay items are accounted for and 3) identifying any discrepancies that could lead to claims. He will also be responsible for coordinating with our PM on upcoming submittals and maintaining the checklists. The constructability of the Project is a very important item of his duties.

QA Assurance: Juan H. Vazquez, PE, Vice President, will certify that the Quality Control Reviews were completed prior to all formal submittals.

- 3-D Design:** 3D modeling is the future of highway engineering and **RJ Behar** has the capabilities to develop any project in 3D. The benefits of 3D modeling include integration of several design processes, improved and enhanced quality control and assurance, increased efficiency and optimized resources. In addition, a 3D model can be presented to the public and to stakeholders helping them to have a comprehensive understanding of what is occurring and seeing the details of what ultimately will be constructed.

Having all the design elements in 3D improves accuracy and decreases unintended occurrences. For instance, if something is not graded properly or located in the correct spot, it is clearly identifiable. Rather than relying on cross sections spaced at 50 or 100-feet, with 3D modeling the design can analyze intervals of 5-feet or less, helping to eliminate unforeseen construction issues. The 3D modeling also improves the accuracy of the quantities; as a result, it avoids under or over estimates. Reducing conflicts between disciplines is a big advantage because with major transportation projects you have roadway engineers designing the horizontal and vertical alignments, bridge engineers designing the structural elements, traffic engineers designing traffic signals and signing, geotechnical engineers looking at slope designs and foundations and drainage engineers handling hydraulics and overall drainage. On a 3D model, design conflicts become much more apparent and enables the design team to anticipate issues and facilitates the project staying on time and budget. Utility conflicts can be easily identified and solved during design using the 3D model.

- **Risk Management:** **RJ Behar** implements proven risk management techniques to identify quality and quantity risks. We will develop a project specific Risk Response Plan (RRP), which considers risk elements such as schedule, utility conflicts, and potential contamination, regulatory agency involvement, project funding, adjacent projects and avoid ROW acquisition.
- **Lessons Learned:** **RJ Behar** continually evaluates our past experiences to find ways to improve our performance. From the administrative side, the “lessons learned” we gained from our projects are: 1) it is very important that the design team verify the field information provided for design, either by **Broward County** or other team members and not use the information at face value; 2) verify that all of the work is covered by pay item and/or pay item note; 3) ensure that Project Notes do not duplicate and/or contradict the **Broward County** specs; 4) all potential utility conflicts are verified with SUEs and coordinated closely with the designated utility coordinator; 5) verify and confirm that there are no conflicts amongst the different plan components (roadway plans, signal plans, landscape plans, structure plans); 6) verify that all utilities are plotted correctly and 7) document that all agreements have been executed with all of the maintaining agencies.

Our approach to our design process is best summarized as follows:

USE OF INTERACTIVE APPROACH WITH BROWARD COUNTY TO ACCELERATE WORK:

The goal of the interactive approach proposed by our team is to get the decision makers involved in the project from the very start. Major design decisions will be coordinated with County’s Staff through the County’s PM. This timely involvement allows our team to avoid false starts and eliminates significant design changes.

WEEKLY IN-HOUSE MEETINGS:

We hold weekly in-house staff meetings with detailed action items to track budgets and design activities.

MONTHLY PROGRESS MEETINGS:

Our PM will meet with the County’s PM monthly to the review project’s progress and prepare a progress report.

DESIGN CRITERIA: The Pine Island Project will comply with the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Greenbook – FGB, 2016 Edition), together with the Broward Complete Streets Guidelines 2.0. However, the **FGB 2018 Edition** is currently under final legal review and will likely govern the design of this project. Work is defined as

work undertaken to extend the service life of an existing highway and enhance highway safety. This includes the placement of additional surface materials and other work necessary to return an existing roadway to a condition of structural and functional adequacy. FGB contains processes and requirements necessary to evaluate existing roadways for safety and performance. Key design elements such as ADA requirements, border width, and cross slope will be evaluated and corrected. Our company President, Mr. Robert Behar, PE, is a voting member of the Florida Greenbook and our Water Resources Vice President, Juan Vazquez, PE, is a member of the Florida Greenbook



Drainage Subcommittee. The table below tabulates the critical design criteria and compares to the proposed design values.

2018 FLORIDA GREENBOOK			
Pine Island Road			
SECTION	DESIGN ELEMENT		
	ROADWAY CLASSIFICATION	SIX (6) LANE ARTERIAL	
		Dsgn Std.	Provided
TABLE 3-1	DESIGN SPEED, V (mph)	45	45
CROSS SECTIONAL ELEMENTS			
TABLE 3-10	MIN. LANE WIDTH (Ft)	11	11
TABLE 3-11	MIN. SHOULDER WIDTH(Ft)	10	Curbed
TABLE 3-15	CLEAR ZONE (FT)	4	4
4.D.4	ROADSIDE CANALS (FT)	40	Shielded
3.C.7.b.2	PAVEMENT CROSS SLOPE	0.02 - 0.03	0.02 - 0.03
TABLE 3-12	SHOULDER CROSS SLOPE	0.02 - 0.06	0.02 - 0.06
	EMBANKMENT SIDE SLOPE		
3.C.7.f.2	STANDARD	1:4	1:4
3.C.7.f.2	OUTSIDE CLEAR ZONE	1:3	1:3
ALIGNMENT (HORIZONTAL)			
TABLE 3-17	STOPPING SIGHT DISTANCE (Ft)	360	>360
TABLE 3-5	CURVATURE (Max.)	8°15'	5°16'50"
FDM TABLE 210.8.1	CURVE LENGTH MIN. (L=15V) (Ft)	675'	926.21
TABLE 3-5	MIN RADIUS	680	1085
ALIGNMENT (VERTICAL)			
TABLE 3-7	MAX GRADE (FLAT TERRAIN)(%)	7	0.30
TABLE 3-8	MAX CHANGE W/O V.C. (%)	0.70	0.70
	MIN VERTICAL CURVES		
TABLE 3-9	K (CREST)	61	150
TABLE 3-9	K (SAG)	79	114
TABLE 3-9	MIN LENGTH VC (L MIN = 3xV) (Ft)	135	135
TABLE 3-4	PASSING SIGHT DISTANCE (Ft)	700	>700

FLORIDA GREENBOOK CONTEXT CLASSIFICATIONS: Our Team understands that the proposed improvements are to be within the existing ROW. New to the design process is the adoption of Florida Greenbook (FGB) Context Classifications. The recently published FGB will routinely plan, design, construct, reconstruct and operate a context-sensitive system of Complete Streets. The context classification of a roadway, together with its transportation characteristics, will provide information about who the users are along the roadway, the regional and local travel demand of the roadway, and the challenges and opportunities of each roadway user. The context classification and transportation characteristics of a roadway will determine key design criteria for all non-limited-access state roadways.

TYPICAL SECTION PACKAGE: The County has developed a typical section for the project. Due to ROW constraints, **RJ Behar** will work closely with **Broward County's** Staff to analyze and recommend the most optimal typical sections for the proposed improvements. Typical sections should only show typical conditions that are found within the limits applicable to that section. Typical sections are to show existing elements that are to be incorporated into the final roadway section, along with the proposed elements and the station limits or milepost of each section below the typical section title. Typical section stationing must cover the entire project and include transitions from one typical section to the next. Typical Section packages will be prepared for: 1) project mainline, 2) for minor side streets and 3) the bridge over the C-11 Canal. Typical Section packages must be signed by the Broward County Engineer and by the Engineer of Record (EOR).

DESIGN EXCEPTIONS/VARIANCES: When FGB's controlling element, criteria are not met; a Design Exception is required. There are two controlling elements for Design Exceptions on low speed roadways (<50 mph) and ten for high speed roadways. If compliance with ADA curb ramp requirements is determined to be technically infeasible, documentation is required to explain why it was not feasible. On items that require Design Exceptions, **RJ Behar** will investigate potential solutions to either mitigate or eliminate the exceptions. Design Exceptions are submitted for approval to the County Engineer and signed by the EOR. The proposed typical sections call for a 16-foot wide median. The required median width for a 45 mile per hour design speed is 19.5 feet. Therefore, a design variance will be required.

PAVEMENT DESIGN: The pavement design process requires close coordination with the County Engineer. Our **Team's** Geotechnical Engineer, **AREHNA**, will be involved to determine the availability of suitable materials in the construction area and any other special conditions that may exist. Pine Island Road will require pavement designs for milling and resurfacing, reconstruction, and widening.

UTILITY COORDINATION: **RJ Behar's Team** has vast experience in providing these services. It is not uncommon to experience a non-responsive utility agency owners (UAO), which has required the **RJ Behar** utility coordinator to drive to the utility owner's office and obtain the utility certification. We are familiar with the process outlined in the FDOT Utility Accommodation Manual (UAM) and have provided these services on over 50 projects. It is very important in the initial stages of the project that utility contact be made with all the affected utilities and provide any follow up necessary to coordinate all existing utilities. Follow up contacts will be made to ensure that the UAO responds and confirms that the utility is located correctly on the plans. Our design will make every attempt to avoid any utility relocation, but if relocation is inevitable, close coordination with the UAOs is of paramount importance in order to obtain the necessary Utility Work Schedules (UWS), which are required to obtain utility clearance. We will also check that the utility work is coordinated with the Temporary Traffic Control Plan.

TEAM MANAGEMENT

The foundation of our project management approach is built on team management. Our proactive approach requires that **RJ Behar's Team** identify project issues early in the process and recommend solutions to **Broward County's** PM. **R J Behar's** PM will report to the **Broward County's** PM regularly via monthly progress reports and through frequent use of emails, as issues are brought forth to ensure that progress is being made and to ensure quality control. **RJ Behar's** PM will make field observations together with information obtained from other sources, such as data provided by **Broward County's** staff, which will serve as the basis for the scope of services. Finally, a determination of the appropriate design criteria is made, while conforming to the project's schedule and budgetary constraints. Our engineers are also well-versed in the latest version of the **FGB** and "**Broward County's Complete Streets**" context sensitive design and transit design policies.

(b) UNDERSTANDING OF THE PROJECT SCOPE

RJ Behar understands that this contract involves the preparation of a complete contract package to widen Pine Island Road from four to six lanes, with bicycle lanes and sidewalks in each direction, starting at Griffin Road and ending at

Nova Drive. Our **Team** is also prepared to provide Broward County with a full range of supporting services including structural design required for a potential bulkhead along the N-12 Canal and the bridge over the C-11 Canal, drainage design, permitting, utility coordination, lighting design, signing and marking design, signal design services and landscape architectural services, field surveying, geotechnical engineering services, photogrammetry, noise and archeological assessment studies and holding public involvement meetings. **RJ Behar** will take into consideration all environmental and archeological requirements along Pine Island Road.

Other activities included in the scope of work include:

- Prebid activities and responses to requests for information and clarifications from bidders.
- Review of submitted construction bids.
- Post Design Services
 1. Preconstruction Conference
 2. Field Reviews
 3. Request for Information
 4. Change Orders
 5. Shop Drawing Reviews
 6. Evaluate acceptability of materials.

(c) USE OF SUBCONSULTANTS

The term “**Team**” includes our subconsultants. Our team members were chosen based on their expertise, reputation and availability. All **RJ Behar Team** members bring similar experience working with **Broward County**, and are fully aware of **Broward County’s** design, surveying and geotechnical policies and processes, and have successfully worked together on previous **Broward County** projects enabling us to run this Contract smoothly and avoid miscommunication. **RJ Behar’s** PM will ensure that a seamless relationship is always maintained amongst all team members and will keep **Broward County’s** PM aware of the project status. **RJ Behar’s** PM will always be the point of contact to **Broward County’s** PM on assignments issued to one of our subconsultants and will be in close and continuous communication with our subconsultants to ensure that they are abiding by the project schedule, provide quality deliverables, have enough budget to complete their assignment and ensure that they have enough resources to meet their milestones. We keep spreadsheets of all assignments, including for projects that may be assigned to one of our subconsultants. These spreadsheets include the following information:

- Name of the Project
- Name of **RJ Behar’s** PM
- Name of the subconsultant
- Project Fee
- Remaining Fee
- Milestone submittal dates

RJ Behar is very cognizant of **Broward County’s** CBE Goal of 30% required for this contract, as such, it is our intent to utilize our CBE subconsultants to the maximum extent possible. Our proposed plan exceeds the 30% CBE requirement. We have a total of four CBE certified firms as part of our team.

(d) HOW RJ BEHAR INTENDS TO MEET PROJECT MILESTONES

We are aware of the County’s 18-month schedule. There will be 4 phase submittals plus a final plan, specifications and estimates submittal. Phases I thru IV will each be four months long and the Final Plan submittal will be two months long. We understand that a successful schedule is not only one that adheres to the final completion date, but just as importantly adheres to milestone dates. Elements such as permit issues, early identification of ROW requirements and utility issues need to be addressed within proper schedule logic. Based on a January 1, 2021 Notice to Proceed, we

are proposing to submit final signed and sealed plans in July 2022. This reflects an 18-month project duration, including one month for each of the project reviews by the County. It is imperative that our project manager be familiar with the County's "schedule logic." It is just as important that these be updated regularly. It is our philosophy to keep up or improve the proposed schedule. It is our responsibility to inform the County's PM of any issues and provide a plan to overcome any zero or "negative float" that may occur. We use the schedule to: 1) review project performance to date, 2) analyze critical path activities, 3) focus on the short-term and long-term, 4) develop strategies, 5) gain project team agreement and 6) implement the revised plan.

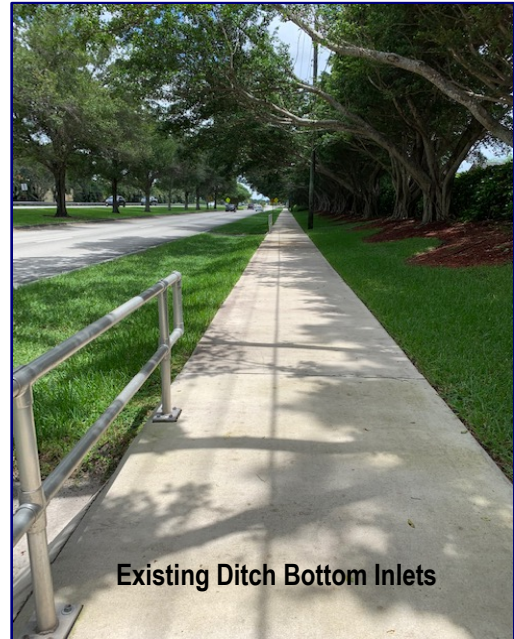
RJ Behar intends to meet these milestones by addressing the following challenges early on:

- Early contact with the utility owners.
- Close coordination between the County's PM and **RJ Behar's** PM will be maintained throughout to avoid any project delay.
- Close coordination between the **RJ Behar's** PM and our subconsultants will be maintained throughout the project. This includes adherence to quality assurance.
- Address ROW issues. To accommodate the proposed roadway typical section, it may require ROW acquisition in certain locations. ROW acquisition is typically a 24-36-month process, therefore, adjustments to the typical section will need to be made or the ROW requirements will need to be identified very early on to begin the ROW acquisition.
- Pre-application meetings need to take place early in the design process, so that there are no delays with the permitting process. The following permitting agencies will be contacted early on: South Florida Water Management District (permit modification), Central Broward Water Control District, U.S. Army Corps of Engineers and the Florida Department of Environmental Protection.
- Because of the high probability for archaeological sites within the project corridor, especially along the Pine Island Ridge, early coordination with the Florida Division of Historical Resources (DHR) will be required.
- Obtain utility clear letters from the utility companies to ensure that all utility work is performed prior to construction. This may require **RJ Behar** to have a face to face meeting with the utility owner's representative to address any pending issues, such as, 1) Obtaining accurate utility information, 2) Coordinating required utility relocations and 3) Obtaining a utility clear letter from the utility owner.
- Coordinate any work desired by the Town of Davie, such as the reclaimed water line installation.
- Maintaining Agencies: Projects that require a local municipality as the maintaining agency, **RJ Behar** will request Memorandum of Agreements to avoid any misunderstandings which may result in a project delay.

(e) POTENTIAL PROJECT ISSUES OR CHALLENGES RELATED TO THE PROJECT/PROJECT APPROACH ON RESOLVING THESE ISSUES AND IDENTIFY ANY POTENTIAL SOLUTIONS

EXISTING CONDITIONS:

Pine Island Road, from Griffin Road to Nova Drive is a primarily north-south urban arterial County Road, within the Town of Davie, with a posted speed limit of 45 miles per hour (mph). The existing land use is classified as residential (single family and multifamily, Forest Ridge Development, Cimarron Development and others), commercial (Grande Oaks Golf Course), government (Bamford Sports Complex), institutional (New Life Baptist Church) and transportation. The existing roadway consists of 4 lanes (lane widths vary) divided with 7-foot sidewalks. The southbound lanes are 26-feet wide and the northbound lanes are 20-feet wide at some locations. Some segments of the roadway have full curb and gutter section with curb inlets collecting runoff. Some areas have swales next to the pavement with ditch bottom inlets to collect runoff. See photo next page. There is a school crossing at SW 30th Street with school zone signage. There are existing traffic signals at Nova Drive, SW 36th Street, SW 30th Street and Griffin Road/Orange Drive. The existing lighting consists of luminaires mounted on FPL poles and the pole spacing varies. The existing sidewalk between SW 30th Street and SW 36th is located outside the County's ROW. See photo next page. At the southern end of the project Pine Island Road intersects the Griffin Road/Orange Drive Greenway, which runs parallel to Orange Drive.



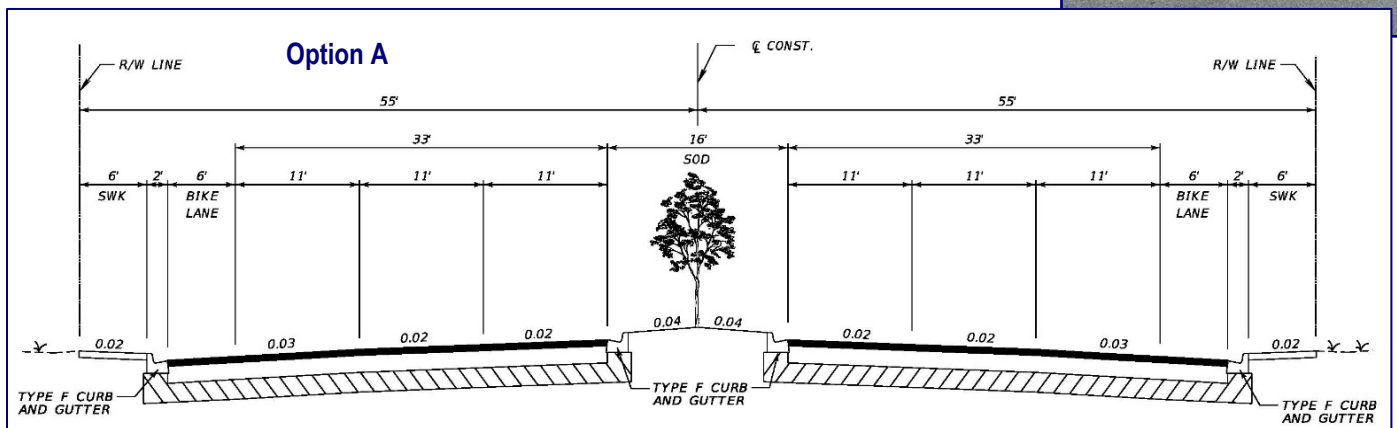
TYPICAL SECTION ON PROJECT NORTH OF NOVA DRIVE:

The Pine Island Road typical for the project north of Nova Drive consists of six 11-foot lanes, a 20-foot wide median, 5-foot wide bicycle lanes in both directions with 6-foot wide sidewalks on both sides of the road. The northbound lanes are sloped towards the median. This will require a vertical transition to a normal crown to the south.

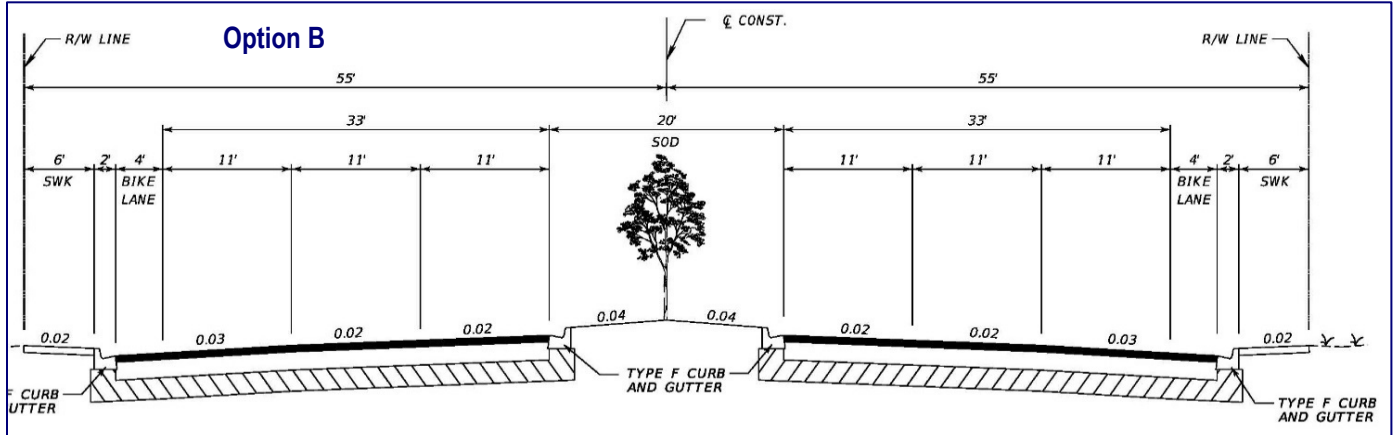
PROPOSED TYPICAL SECTION:

The available ROW varies from 110 feet to 142 feet wide. We have investigated several options and submit five options for the proposed typical sections:

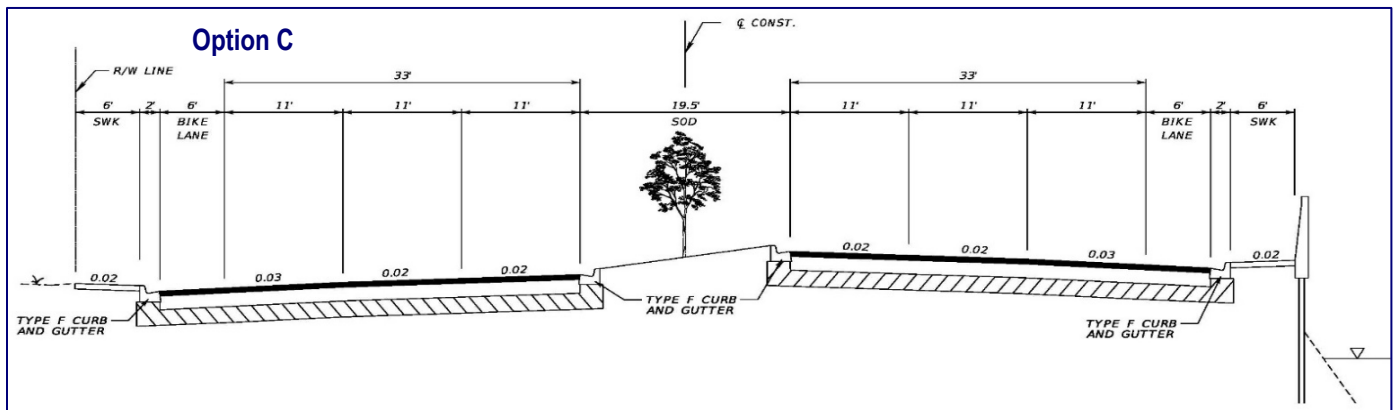
- **Option A:** Provide three 11-foot lanes in each direction with 4-foot bicycle lane with 2-foot buffer lanes in each direction, urban section (curb and gutter) with a 16-foot wide median and with 6-foot sidewalks on both sides. This option requires a design variance because the minimum median width for 45 mph is 19.5 feet.



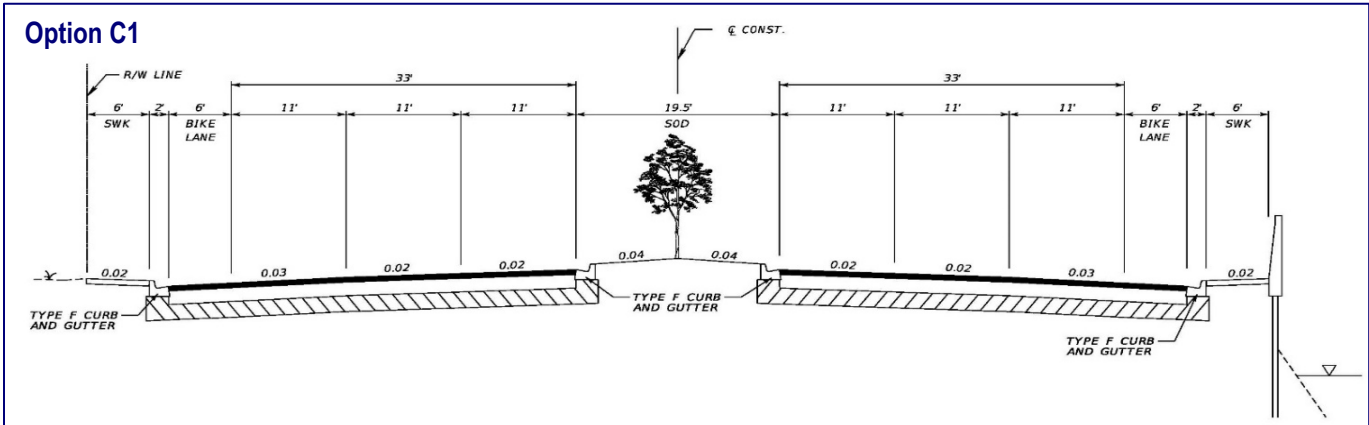
- **Option B:** Provide three 11-foot lanes in each direction with 4-foot bicycle lanes in each direction, urban section (curb and gutter) with a 20-foot wide median and with 6-foot sidewalks on both sides. This option eliminates the buffer lanes but provides the required median width.



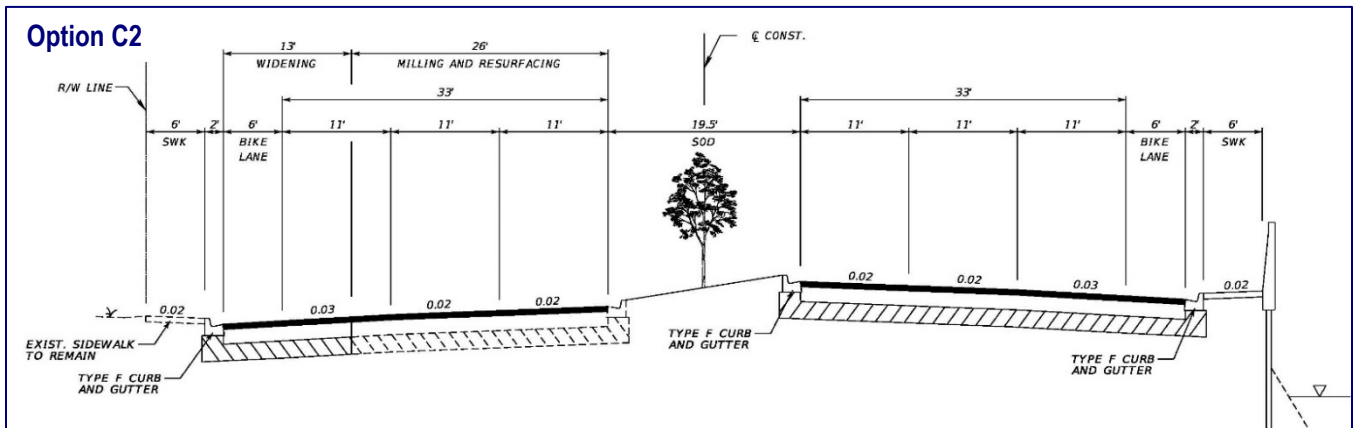
- **Option C:** Provide three 11-foot lanes in each direction with 4-foot bicycle lanes with 2-foot buffer lanes in each direction, urban section (curb and gutter) with a 19.5-foot wide median, with 6-foot sidewalks on both sides. This option may be used in the portion of the project adjacent to the canal and requires that the proposed bulkhead wall be located further to the east with minimal impacts to the existing canal width. Option C keeps the proposed southbound profile grade close to the existing profile grade in order to harmonize to the adjacent property to the west without requiring a temporary construction easement.



- **Option C1:** Provide three 11-foot lanes in each direction with 4-foot bicycle lanes with a 2-foot buffer lane in each direction, urban section (curb and gutter) with a 19.5-foot wide median, with 6-foot sidewalks on both sides. This option may be used in the portion of the project adjacent to the canal and requires that the proposed bulkhead wall be located further to the east with minimal impacts to the existing canal width. Option C1 keeps the proposed southbound profile grade the same as the northbound profile grade. This option may require temporary construction easements to harmonize to the properties to the west.



- **Option C2:** Provide three 11-foot lanes in each direction with 4-foot bicycle lanes with 2-foot buffer lanes in each direction, urban section (curb and gutter) with a 19.5-foot wide median, with 6-foot sidewalks on both sides. This option proposes milling and resurfacing with widening the SB lanes. This option may be used in the portion of the project adjacent to the canal and requires that the proposed bulkhead wall be located further to the east with minimal impacts to the existing canal width. Option C2 keeps the proposed southbound profile grade close to the existing profile to harmonize to the adjacent property to the west without require a temporary construction easement. This option also allows for the existng sidewalk and exisings drainage structures to remain. This option may be the most effective and may result in over \$ 1.5 million in construction savings.



All proposed typical sections will require Sound Wall Easements on both sides, as determined by the Noise Study.

PROPOSED PAVEMENT DESIGN:

Our field review revealed that the existing northbound lanes pavement is in poor condition. The existing roadway plans noted that there was muck underneath, which could be a possible reason for the poor pavement. The northbound lanes were recently resurfaced (see photo). The existing southbound lanes are in fair condition and were constructed at a lower elevation than the northbound lanes, possibly to match the existing grades at the western ROW line. We will make every effort to salvage the existing pavement and sidewalk on the southbound lanes and propose widening and resurfacing for the southbound lanes (see typical sections above).



Southbound Pine Island Road from Nova Drive to SW 21st Street is not striped to its ultimate condition, therefore, milling and resurfacing will be required for this portion of Pine Island Road to restripe this section to its ultimate pavement markings.

HORIZONTAL ALIGNMENT:

- The proposed horizontal geometry follows a north-south alignment. There are reverse curves, both meeting the design criteria for 45 mph. The tangent lengths between curves and the curves' superelevation rates also meet the design criteria.
- Due to the slight modification to the typical section from the project north of Nova Drive to the project to the south, there will be a slight horizontal alignment deflection between the two projects. The deflection will be less than the 3° allowed in the FGB.
- There will also be a slight deflection at the Griffin Road intersection, also less than the 3° allowed.
- Left turn storage lanes will be upgraded to current design standards.

VERTICAL ALIGNMENT:

- Upon review of the existing plans, it was determined that the southbound lanes were designed at a minimum 0.2% longitudinal grade, which was the standard at the time of the original design (1988). The current design criteria recommends a minimum 0.3% longitudinal grade. This may be achieved either by reconstructing the pavement to the required longitudinal grades or achieve the longitudinal grades utilizing asphalt overbuild.
- The existing tangent lengths vary in length and will be designed to a minimum 250 to 300 feet in length.
- The west side of the project is bordered by residential land use. There are various driveways that will need to be graded to match existing conditions.
- Back of sidewalk grades will be checked to tie into adjacent properties without the need for easements.
- There is one vertical curve just south of SW 30th Street, which meets the design criteria.
- The minimum pavement elevation will be based on elevation 4.5' NAVD 88, per CBWCD Flood Criteria.

HORIZONTAL CLEARANCE:

Horizontal clearance will be provided for:

- Trees in the median – 4 feet required; with a 16-foot median this will not be an issue.
- Canal Hazards – 40 feet. Guardrail or barrier wall will be required along the east side and north of the reverse curves, where the N-12 Canal is within 40 feet from the edge of travel way.
- Light poles and signal poles – 4 feet required.
- Traffic control signs – to be located per Broward County Design standards.

SIGHT DISTANCE

Sight distance will be provided for:

- Stopping sight distance at the horizontal curves and vertical curves.
- Clear sight triangles at side streets and driveways. Our field review did not identify any sight triangle violation on any existing side streets and driveways.

CONSTRUCTION EASEMENTS

In order to construct the proposed typical section, there will be a need to obtain permanent easements and/or ROW of way acquisition at the following locations:

- Southeast quadrant at the entrance to Pine Island Bay.
- Just north of the Pine Island Bay entrance.
- Approximately 400 feet north of Alpine Woods Road.
- Approximately 200 feet north of the Estates of Alpine Woods entrance.
- Approximately 100 feet north of Bridle Path Court Entry.

- A Sound Barrier Permanent Construction Easement will be required wherever sound barriers are required.

For exact locations, please refer to the preliminary concept plans at the end of this section.

TRAFFIC OPERATIONS

To obtain a firsthand understanding of the traffic behavior patterns on Pine Island Road, our staff conducted a traffic operation review on June 19, 2020 between 1:30pm and 4:00pm. The results of the field review are summarized as follows:

- Minimal truck traffic, less than 10% of all vehicular traffic.
- The non-signalized intersections appear to operate satisfactory.
- The Griffin Road/Orange Drive intersection is the most congested intersection within the project limits. We recommend that consideration be given to increase the storage lanes at this intersection.
- Raised medians throughout. The advantages of having a raised median are:
 1. Raised medians reduce the chances for head on collisions, providing a higher level of **safety**.
 2. Better access management control, providing a higher level of **safety**. See our section addressing Access Management.
 3. Opportunity to landscape for beautification.
- Restripe southbound lanes north of Nova Drive to line with the new lane geometry south of Nova Drive.
- Restripe northbound lanes south of Griffin Road to line with the new lane geometry south of Griffin Road.
- There is a school zone and school crossing in the vicinity of SW 30th Street.
- The table below illustrates the existing and projected traffic data for Pine Island Road.

The residents of the Forest Ridge Homeowners Association have requested that a new traffic new signal be installed into their development, which will require the preparation and approval of a signal warrant report. The Broward County MPO projects that the year 2040 traffic volumes for Pine Island Road will be 44,600 vehicles per day resulting in Level of Services F.

Pine Island Road (Griffin Road to Nova Drive)							
2019 TRAFFIC COUNTS, VEHICULAR VOLUME THRESHOLDS & LEVEL-OF-SERVICE (LOS)							
DAILY VEHICULAR VOLUMES							
Count Station #	NUMBER OF LANES	LOCATION	YEAR 2019 SEGMENT AADT (2)	LOS	VEHICULAR VOLUME THRESHOLDS (1)(4)		
					LOS C	LOS D	LOS E
867351	4LD (3)	N. of Orange Drive	32500	C	36000	37800	N/A
869455	4LD (3)	S. of Nova Drive	35000	C	36000	37800	N/A

YEAR 2040 PROJECTION (Broward MPO Analysis)
Pine Island Rd (Griffin Rd to Nova Dr) = 44600 Vpd / LOS = F

ACCESS MANAGEMENT

Pine Island Road is an Access Class 5 highway, which is characterized by facilities where adjacent land has been extensively developed and where the probability of major land use change is not high. These roadways are distinguished by existing or planned restrictive medians. The **FGB** states that “All new facilities should have some degree of access control since each point of access produces a traffic conflict. The control of access is one of the most effective, efficient, and economical methods for improving capacity and safety characteristics of streets and highways.”

Factors such as width and median taper play a critical role when designing median openings in how they affect access management along a roadway. A critical function of many medians is to protect vehicles turning left. These design criteria are influenced by similar factors as driveways. The speed limit of the roadway, design of the roadway shoulders (flushed vs. curbed) and context classification all influence the various design criteria for medians and median openings. These criteria are discussed in the following sections. The *Broward County Complete Street Guidelines* state “The aim of access management measures is to promote efficient traffic flow, provide good ingress and egress to facilities, and enhance safety between vehicular, bicycle, and pedestrian movements.”

- **Median Openings**

The FDOT Access Management Guidebook recommends that for a Class 5, 45 mph design speed, highway, a minimum median spacing of 440 feet be provided. Pine Island Road currently meets these criteria.

- **Driveway Connections**

Access management through limiting driveways and providing raised medians has many benefits:

1. The number of conflict points is reduced, especially by replacing center-turn lanes with raised medians since left turns by motorists account for a high number of crashes with bicyclists and pedestrians.
2. Pedestrian crossing opportunities are enhanced with a raised median.
3. Universal access for pedestrians is easier since the sidewalk is less frequently interrupted by driveway slopes.
4. Fewer driveways result in more space available for higher and better uses.
5. Improved traffic flow may reduce the need for road widening, allowing part of the row to be recaptured for other users.

ADA COMPATIBILITY AND BICYCLE FACILITIES:

Pedestrian Facilities: Curb Ramps will be installed and upgraded at all intersections. The standards require the addition of detectable warnings.

Bicycle Facilities: The Pine Island Road corridor serves a residential community and, during our field review of the project, we noticed healthy bicycle traffic, therefore, a 4-foot, buffered (2-foot) bicycle lane will be provided on both sides of the roadway. We have introduced an option that eliminates the 2-foot buffer, so that we can provide the required 19.5-foot median. The recently constructed project to the north of Nova Drive was constructed with a 5-foot wide bicycle lane with green colored pavement at conflict points (see photo to the right).



DRAINAGE AND PERMITTING

Existing Drainage

Pine Island Road is located within the C-11 Canal Basin. The C-11 parallels Griffin Road and is owned and maintained by the SFWMD. The N-12 Canal parallels Pine Island Road, mostly on the east side, and then discharges to the C-11 Canal. The N-12 is maintained by the CBWCD. The N-5A and the N-5 canals also cross Pine Island Road and are maintained by CBWCD. The existing drainage system for this segment of Pine Island Road was originally permitted with SFWMD Permit No. 06-01102-S and was divided into 10 sub-basins as follows:

- Sub-basin 1 (Sta 172+00 to 190+00) drains to a dry retention area along Orange Drive for treatment and attenuation and then overflows into the C-11 Canal through a 36-inch outfall.
- Sub-basins 2 to 5, 8A and 9 (Sta 190+00 to 219+00, and 269+00 to 276+00) provide the treatment and attenuation using 15” diameter French drains with overflows to the N-12 Canal.
- Sub-basins 6, 7 and 8 (Sta 219+00 to 269+00) drain to the Forest Ridge Development Lake System, where the runoff receives the treatment and attenuation (Permit No 06-00893-S). The Forest Ridge Development overflows into the N-12 Canal.

Note: The stations referenced here are based on existing plans.

The roadway segment was permitted for an ultimate six-lane roadway section. Some segments of the roadway have a full curb and gutter section with curb inlets collecting runoff. Some areas have swales next to the pavement with ditch bottom inlets to collect runoff. See picture to the right.



There are major cross drains as follows:

- The N-12 Canal crosses Pine Island Road near station 201+00 with a 11'-8" by 7'-10" Aluminum Structural Plate Arch culvert.
- The N-5A Canal crosses Pine Island Road near station 204+80 with a 36-inch Reinforced Concrete Pipe culvert.
- The N-5 Canal crosses Pine Island Road near station 218+20 with a 48-inch Reinforced Concrete Pipe culvert.

There are also smaller crossings of pipes/outfalls (24-inch at 229+65 and 30-inch at 244+45) from the Forest Ridge Development under Pine Island Road and connected to the N-12 Canal.

The N-12 Canal's control design elevation is 1.4 ft. NAVD88. The Broward County Average Wet Season Water Table Map indicates an elevation of 3.0 ft. NGVD or approximately 1.5 ft. NAVD88. Since the future water table maps for Broward County indicate lower elevations for water table, elevation 1.5 ft. NAVD88 can be used as the Seasonal High-Water Table (SHWT) elevation for the project. According to the Broward County Database, there are no known contaminated sites near the project boundaries, nor does it indicate areas of wellfield protection zones. The Federal Emergency Management Agency (FEMA) has designated the area between SW 36th Street and the N-12 canal crossing as Zone AH (100 yr. flood), Elevation 5.0 ft. NAVD88. The rest of the project is designated Zone X (areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood).

The project areas are classified as residential (single family and multifamily, Forest Ridge Development, Cimarron Development, and others), commercial (Grande Oaks Golf Course), government (Bamford Sports Complex), institutional (New Life Baptist church) and transportation.

We have contacted both the CBWCD and the Town of Davie Public Works and they indicated no known issues of flooding of the project area.

PROPOSED DRAINAGE

The proposed drainage system will be determined by the proposed typical section. As stated earlier, most of this roadway segment (Orange Drive to Nova Drive) was permitted for an ultimate six-lane roadway section. The six-lane typical section that was permitted is not documented in the permit files. What was documented is the percent impervious for each basin. Selecting a basin that had no additional impervious from turn lanes or intersections (sub-basin 3), we calculated a percent impervious of 85.2%. Based on that percent impervious and the information of the existing permit plans, we can assume that the permitted section included at least a half section with two 11-foot lanes, an outside 14-foot lane, curb and gutter, 6-foot sidewalk and a 16-foot median. This section has a one-way roadway pavement width of 36 feet and an estimated 85.2% impervious.

The 45-mph proposed section proposed by Broward County, results in an approximate percent impervious of 89.3%, for the same sub-basin 3, and has a one-way roadway pavement width of 39 feet. Based on our estimation, the proposed section would have more impervious as well as a larger area (1.25 Ac vs 1.15 Ac per permit). We propose that the required additional water quality treatment or attenuation be obtained with additional French drain. K values

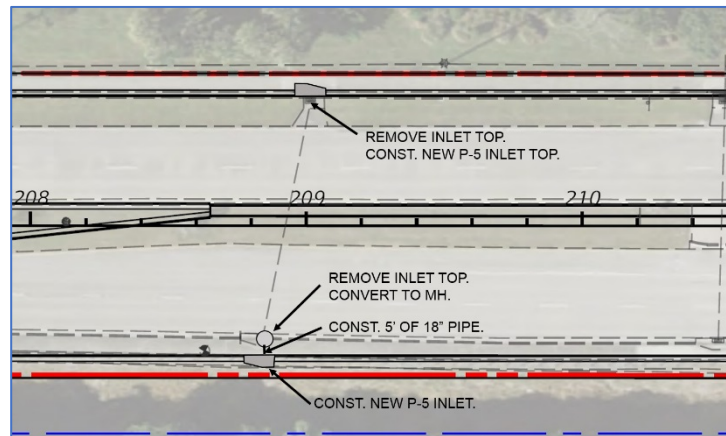
for exfiltration varied from 3.5 to 5.5×10^{-4} cfs/ft²-ft of head in the project to the north and 3.14 to 6.39×10^{-5} cfs/ft²-ft of head were documented in the permit for this project. The existing French drain system has been in operation for approximately 30 years. Based on the information collected, French drains have performed adequately for the project. The County should consider including in the project the cleaning of the existing system to insure it continues to operate as intended.

CROSS DRAINS

Two of the major existing cross drains will have to be extended to fit the proposed section, at 204+80 and at 218+20. The existing headwalls will need to be removed, the pipe extended and incorporated into the N-12 bulkhead alternative chosen for the project. The 11'-8" by 7'-10" Aluminum Structural Plate Arch culvert at 201+00 appears to be outside the limits of the widening but will require adding a guardrail to protect the existing headwall. Refer to the conceptual plans included with this proposal. The existing culverts should be video inspected to document their structural condition and if they can remain in place or if any repairs are needed to ensure that they meet the project's expected service life. For a major arterial roadway, a 100-year service life is recommended.

STORMSEWER SYSTEM

The existing stormsewer system should be able to be reused for the proposed improvements. Some inlets will require adjustments and replacing the tops to curb inlets instead of ditch bottom inlets. A few will need to be adjusted to the new curb lines. The existing outfall pipes should remain, which will assist in meeting the pre vs. post discharge criteria. The spread should be checked to determine if new inlets are needed based on the six-lane section. See picture to the right.



N-12 CANAL

According to the Broward County Property Appraiser and the survey provided by the County, the N-12 Canal is located within the road ROW. This condition was the same for the project segment from Nova Drive to SR 84. The proposed section will encroach upon the existing canal bank and will require construction of a wall at the canal's edge to avoid/reduce major impacts to the canal hydraulics.

BRIDGE HYDRAULIC REPORT

The bridge over the C-11 Canal will require widening of approximately 11 feet to the east to fit the proposed typical section. For proper design of bridge foundations and bank protection, a Bridge Hydraulic Report (BHR) should be prepared. The report will address the canal expected velocities for a 100-yr. and 500-yr. storm and the expected scour associated with those events. The HEC-RAS River Analysis System is normally used to perform the hydraulic analysis and the scour calculations. HEC-RAS was developed by the U.S. Army Corps of Engineers and is an integrated system of software designed for use in a multitasking environment. The scour analysis for the project can be conducted following the procedures outlined in the FDOT Bridge Scour Manual. The FDOT procedure utilizes a combination of the FHWA Hydraulic Engineering Circular No. 18 (HEC-18) procedures for calculating scour depths (Long Term Aggradation, Degradation, and Contraction Scour) and Dr. Sheppard's Pier Scour Equations for local scour. **RJ Behar** has extensive experience preparing Bridge Hydraulic Reports. Our experience with Bridge Hydraulic Reports includes:

- Krome Avenue Bridge over the Miami Canal (C-6)
- NW 87th Avenue over Miami Canal (C-6)
- 5th Street Bridge over the Miami River (tidal analysis)
- Northlake Boulevard over the Loxahatchee Slough

- SR A1A at Carlin Park, Bridge Replacement over Local Tidal Canal

The report will serve to document that the project meets the hydraulic requirements of the SFWMD of max head loss of 0.1 feet.

LIGHTING

The existing roadway lighting consisting of cobra-head light fixtures on FPL wood poles will be re-evaluated for the proposed new ROW cross sections. Illumination calculations (photometrics) will be performed to identify any necessary modifications to the existing FPL lighting installation along the southbound lanes. Because of the width of the ROW, additional lighting will be required along the northbound lanes. We recommend replacing with LED lighting. FPL is undergoing a Hardening Plan throughout the state, which consists of converting wood poles to concrete poles. Our Team will coordinate with FPL to find whether a “Hardening Plan” is being proposed for this section of Pine Island Road.

Since FPL does not run photometry. Our **Team** has performed initial photometry calculations and determined the following:

- LED lighting
- 200-foot pole spacing (both sides)
- 40-foot mounting height

The **RJ Behar Team** will provide the photometry, provide the spacing, mounting height and then FPL will install the lighting. Broward County will furnish the luminaires. It will be added to the County/FPL Maintenance and Operations Agreement. FPL will install and maintain the lights. The County will be required to reimburse FPL per lighting fixture.

Since FPL requires a clearance of 10 feet radially, accommodating the proposed light poles, potential sound walls and the existing FPL poles along the west side of the project will be a major challenge. However, as previously noted, having the luminaires mounted on FPL poles will be advantageous by eliminating any conflicts between the FPL poles and any proposed light poles. Along the east side of the project, light poles can be located at the back of sidewalk in front of the bulkhead wall.

Regardless, the new northbound lighting will be installed within the ROW line at the back of sidewalk or on top of the proposed bulkhead. The **RJ Behar Team** will design modifications to, or replacements of, existing electrical load centers. We will complete all voltage drop calculations for each individual lighting circuit and design modifications of and additions to the circuits as required. Modifications to existing electrical equipment and new additions are to be performed in accordance with the National Electrical Code, including short-circuit and arc flash calculations. We are well equipped to perform these necessary calculations using industry standard engineering software.

Special attention will be given to the lighting at intersections for pedestrian safety at the crosswalks. We will perform both horizontal and vertical illumination calculations (photometrics) in accordance with recent FDOT lighting criteria, using the AGi32 software, for the intersections. The **RJ Behar Team** will analyze the existing conditions and provide an assessment of compliance with the FDOT criteria and propose improvements and additional lighting where required to meet the current criteria.

An initial survey is to be followed by a complete identification and location of all existing overhead and underground utilities. Utility coordination is important to begin early as response times from the various agencies is usually unpredictable. Any necessary utility relocations must be factored into the design. Where necessary, spread-footer foundations may be used in areas where underground utility relocation is undesirable or would be too costly to perform.

Structural design is important for these foundations and for the performance of wind-load calculations for signal mast arms and light poles and their foundations.

SIGNALIZATION

There are four existing signalized intersections within the project limits. The following traffic signals will need modification:

- Nova Drive: *Modify traffic signal heads in accordance with the proposed lane geometry.*
- Orange Drive: *Modify traffic signal heads in accordance with the proposed lane geometry. This signal will take into consideration the Orange Drive Greenway, which currently provides a bicycle crossing at Orange Drive.*
- Griffin Road: *Modify traffic signal heads in accordance with the proposed lane geometry.*
- SW 30th Street: *Convert the existing span wire traffic signal to mast arm signals.*
- SW 36 Street: *The existing traffic signal mast arms are not long enough to accommodate the proposed lane geometry and will need to be replaced.*

The signalization improvements will adhere to the Manual on Uniform Traffic Devices (MUTCD) and the Broward County Standards. All traffic signal equipment and signal timings will be coordinated with the Broward County Traffic Engineering Division.

UTILITIES

Existing Utilities

The following is a list of potential existing Utility Owners within the project corridor based on the Sunshine State One-Call Design Ticket:

OWNER	UTILITY TYPE	COMMENT
Broward County Traffic	Traffic Control	For signal system
Comcast Cable	CATV, Fiber	
Cooper City Utilities	Sewer, Water	
Florida Power and Light	Electric	Mostly overhead, west side
MCI	Communication lines, fiber	
Crown Castle NG	Fiber	
TECO Peoples Gas	Gas	
AT&T/Distribution	Telephone	
City of Sunrise Water & Wastewater Dept.	Wastewater, Water	Provides water north of SW 30 th Street
City of Sunrise Gas	Gas	
Town of Davie Utilities	Sewer, Water	Provides water south of SW 30 th Street.

From our field visits we could identify pipelines crossing the N-12 Canal (water and others), Overhead FP&L and Communication lines along the west side of the ROW, and water lines/fire hydrants spaced throughout the project limits

Proposed Utilities

The Town of Davie has a reclaimed water project planned that would use the Pine Island Road ROW from SW 36th Street to SW 30th Street. The project is to install a 12-inch reclaimed waterline from the Town’s wastewater treatment facility to Pine Island Park and



Bamford Complex and replace canal water irrigation with reclaimed water irrigation. It would make sense to build the line with the project or ahead of the project to avoid utility cuts/patches of the new pavement.

Utility Coordination Approach

RJ Behar will identify any utility in conflict with the proposed improvements and make every effort to avoid relocations, though this may not be feasible on all cases. Our Team will work closely with these utility owners to assure that any relocation schedules are completed according to project's schedule. The Subsurface Utility Engineering (SUE) effort is essential to identifying any utility conflicts and will be undertaken as soon as all the existing utility information has been collected and the proposed improvements laid out.

Our approach includes: 1) obtaining all the utility information for the owners, 2) meeting with the utility owner's representative to address any pending issues as necessary, 3) obtaining accurate utility information, 4) coordinating required utility relocations and 5) obtaining utility clear letters from the utility owners not affected.

STRUCTURAL ISSUES

The structural requirements for the project will include the following:

- Bulkhead/retaining wall evaluation along the N-12 Canal,
- Evaluation of the cross drains crossing Pine Island Road, and
- Evaluation of improvements to the bridge over the C-11 Canal.



The N-12 Canal is operated and maintained by the CBWCD. The canal is located within the Pine Island Road ROW. The banks are steep and sodded. See picture above right.

There are 3 major cross drains, at 201+00, at 204+80 and at 218+20, which were described in the drainage section of this proposal.



The Pine Island Bridge (860585) over C-11 Canal is a 3-span bridge, with a concrete Cast-In-Place (CIP) flat slab bridge superstructure with substructure of square concrete piles and concrete pile caps. The bridge was completed in 1992 and built by the FDOT. The total span is approximately 105 feet long with a 20-foot approach slab on each side. The flat slab is 20-inches thick. The banks are protected with filter point revetment. The last National Bridge Inventory (NBI) inspection in 2017 rated the bridge to be in good condition. During our field review, we did not notice any major structure deficiencies. See pictures to the right.



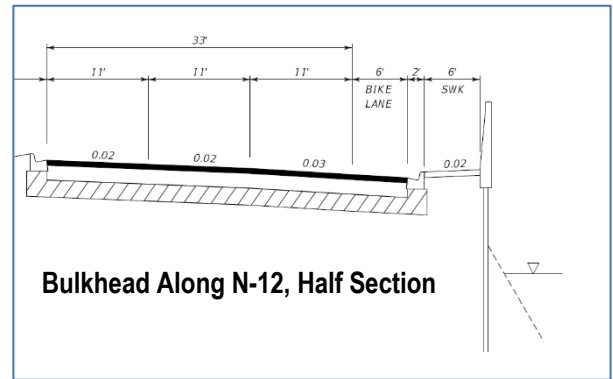
Structural Alternatives

The Pine Island Road widening will have to be towards the east side of the roadway to stay within the existing ROW. See top right. Depending on the typical section chosen, the impact into the N-12 increases. In either of the cases, a bulkhead/retaining wall appears to be needed to provide a stable bank/roadway along the canal. We have contacted the CBWCD and they do not object to the encroachment.

N-12 Bulkhead

There are several options to provide bulkhead/retaining walls.

- The most common system is a steel sheet pile wall. See photo to the right for an example of a recent installation along the Miami Canal in Medley, Florida designed by **RJ Behar**. Steel sheet piles is a proven system and requires little maintenance above and underwater, the noise and vibration during installation could be an issue near neighborhoods. A concrete fascia can be added as an architectural finish for aesthetical purposes.
- Another option is a concrete sheet pile or a pile and concrete panel installation, see photo below.



Cross Drains

Of the three major crossings, it appears that the ones at 204+80 and 218+20 will be impacted by the project at their connection to the N-12 Canal. The existing headwalls will need to be removed, the pipe extended and incorporated into the N-12 Bulkhead alternative chosen for the project.

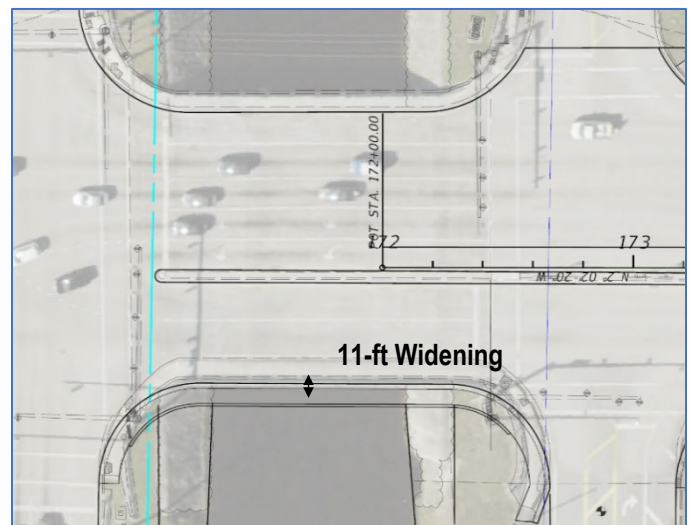
Bridge over C-11 Canal

The bridge over the C-11 will require widening of approximately 11 feet to the east to fit the proposed typical section. As the structure is widened, the vertical clearance is reduced. This will have to be checked to make sure it still meets the SFWMD requirements. The Criteria Manual for Use of Works of the District provides the criteria for bridges, culverts, and any work within the SFWMD canals ROW. The manual's bridge design criteria requires: standard H-20 (now HL-93) loading or better, max head loss of 0.1 foot, stabilization shall extend a minimum of 25 feet up and downstream of the proposed project, access features all four corners, a center span with 25 feet clear bent spacing measured perpendicular to the channel, a 6-foot vertical clearance above the seasonal high optimum water control elevation, or 2 feet above the design water surface, whichever produces the higher low member elevation



STRUCTURAL APPROACH

The new bridge should have a similar profile to the existing one utilizing flat slab, and piles for piers. The new piers should match the alignment of the existing ones. The widening can be accomplished using a modification of Figure 7.4.4-1 of the FDOT Structures Design Guidelines for Flat Slab Widening. See figure to the right. In widening a slab bridge, the existing barrier wall must be removed. Then the vertical rebar must be cutoff 1.5 inches below the top of the slab unit and patched with epoxy. The filter point revetment will be extended to make sure it meets the SFMD criteria.

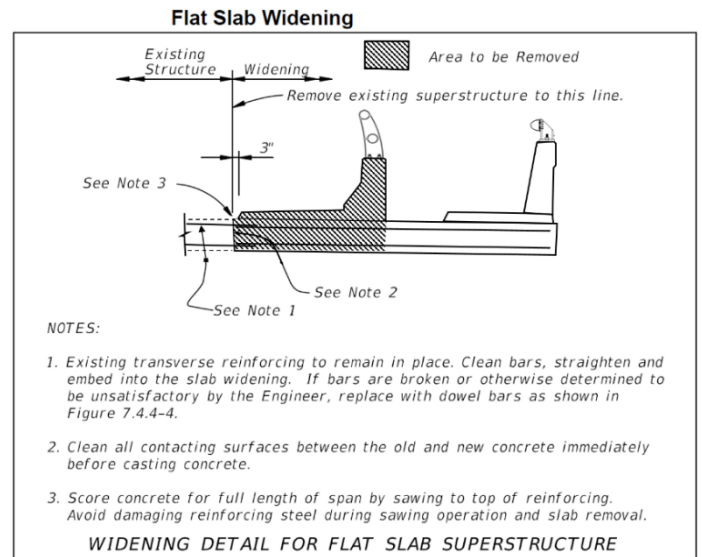


Bridge:

RJ Behar's Bridge Development Report (BDR) will be prepared during the initial stages to determine the conceptual

options for the bridge widening and structural elements of the project. This analysis will be part of the preliminary engineering reports and will include the following:

- Environmental and site considerations,
- Vertical and horizontal clearances (existing and proposed).
- Modifications to the existing structure,
- Vertical and horizontal geometry,
- Typical section,
- Identification of historical significance of bridge and surrounding structures,
- Aesthetic level for bridge and bridge approaches,
- Bridge Hydraulics,
- Bridge deck drainage considerations,
- Stream bottom profile,
- Conceptual geotechnical data,
- Phase Construction Impacts,
- Construction time and
- Construction costs.

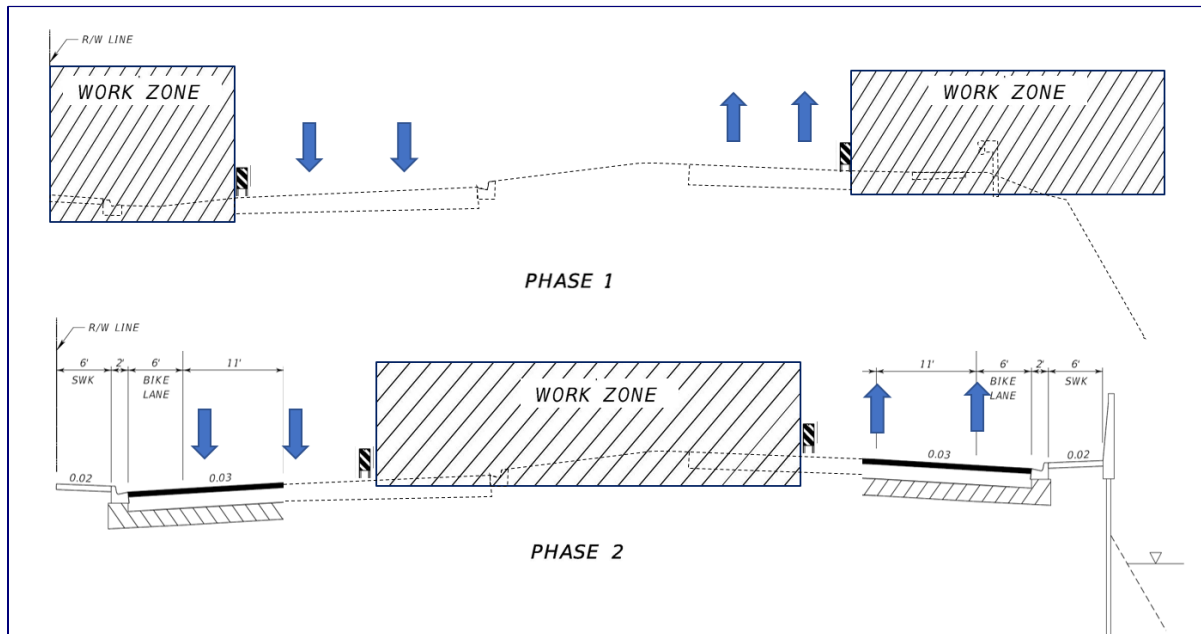


Bulkhead:

RJ Behar evaluation will also analyze the bulkhead/retaining wall along the N-12 Canal and determine the most cost-effective wall type, considering costs, aesthetics, construction methods, maintenance costs, and geotechnical conditions. This report will be submitted with the 30% submittal for the project.

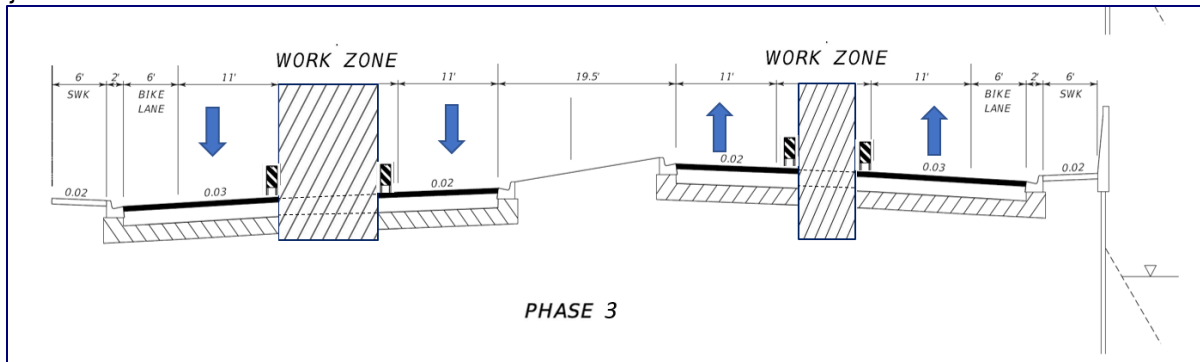
TEMPORARY TRAFFIC CONTROL PLAN

A concept for the Temporary Traffic Control Plan (TTCP) is illustrated as follows:



During **Phase 1**, the work can begin on the outside areas, both northbound and southbound. The bulkhead on the canal side will be built in this phase. Outside drainage would be built in this phase. Traffic is maintained on the existing lanes. Traffic control would follow FDOT Standard Index 102-612 and pedestrian traffic could be kept on one side of the roadway using FDOT Standard Index 102-660.

For **Phase 2**, traffic will be shifted to the outside (newly constructed) and use part of the existing lanes. Work will occur in the median area. Two lanes will be maintained using a layout similar to FDOT Standard Index 102-651. A variation of Phase 2 would be to **not** build the sidewalk on the northbound side and construct temporary pavement and temporary structure tops, to allow the traffic to be shifted further east and be able to construct more of the work on the inside. This will eliminate the work in the center lane in Phase 3. Instead, in Phase 3 the curb, sidewalk and drainage adjustments would be built on the outside of the northbound lanes.



For **Phase 3**, traffic will be shifted to the new outside and inside lanes. Work will occur in the center lane area. Two lanes will be maintained using FDOT Standard Index 102-614.

Phase 4 will include the final asphalt layer, stripping and miscellaneous items. FDOT Standard Index 102-613 for temporary lane closures.

This scheme shown above will save most of the trees in the median, rather than use the median for temporary pavement. If a portion of the southbound lane's pavement can be saved, then the TTCP is simplified and the Phase 3 work might not be necessary. For the bridge construction, the northbound lanes (26 feet) can be reduced to two 11-foot lanes, use a temporary concrete barrier to allow the demolition of the sidewalk and barrier, and the bridge widening.

ENVIRONMENTAL ISSUES

No natural areas are present along the corridor. Surface water features including drainage canals and ponds associated with development are present including the SFWMD C-11 (South River Drive Canal) and the CBWCD N-12 canal, which runs along the east side of the road. Wetland vegetation is present within some of these waterways. The USACE may claim these wetlands jurisdictional and require mitigation. A field review to delineate wetlands is recommended, as well as a pre-application meeting with USACE and SFWMD. The project falls within the United States Fish and Wildlife Service (USFWS) consultation area for the Everglade snail kite (*Rostrhamus sociabilis*) and the USFWS urban development boundary consultation area for the Florida bonneted bat (*Eumops floridanus*). Additionally, the project is within the Core Foraging Area (CFA) of four active wood stork colonies. Other protected species with the potential to occur within or adjacent to the project corridor are the gopher tortoise (*Gopherus polyphemus*), Eastern indigo snake (*Drymarchon couperi*), and the Florida burrowing owl (*Athene cunicularia*). State listed wading bird species may be present within the surface water habitats adjacent to the project. Coordination with USFWS and Florida Fish and Wildlife Conservation Service (FWC) is also recommended. The anticipated permits include:

- USACE for dredge/fill activities within surface waters,

- USACE Section 408 Authorization for fill within the C-11 Canal,
- SFWMD Environmental Resource Permit (ERP) for stormwater management, and fill within other surface waters,
- SFWMD Water use Permit for construction dewatering,
- SFWMD Right of Way Occupancy Permit for crossing the C-11 canal, and
- CBWCD Permit for work within the boundary of the District including paving, grading, drainage and storm water management and discharge into the District's Waterway.

NOISE BARRIER IMPACTS

Much of the project corridor is lined with single-family home communities and apartment/condominium/townhome complexes. Other nearby noise sensitive sites include a religious facility and common use areas such as tennis courts, sports fields, and community pools. A recent traffic noise analysis completed for the project corridor during Spring 2020 found that traffic noise impacts may occur at many of the nearby noise sensitive sites due to the improvements being considered. The feasibility and reasonableness of providing noise abatement was evaluated for all the impacted noise-sensitive sites. Ground-mounted noise barriers were found to be conditionally reasonable and feasible for many of these locations. However, further detailed analysis of the planned improvements will be necessary to fully evaluate ROW availability, impacts to overhead and underground utilities and potential landscaping impacts.

Consistent with the recently completed noise analysis, this design phase traffic noise analysis will be conducted in accordance with the most recent versions of 23 CFR Part 772: *Procedures for Abatement of Highway Traffic Noise and Construction Noise* and Chapter 18 *Highway Traffic Noise* found in Part 2 of the FDOT *Project Development and Environment* (PD&E) Manual. Coordination with the affected communities will be vital to determine their viewpoints regarding noise abatement. Also, coordination with the owners of the utilities will be necessary to determine the constructability of noise barriers along the project corridor. The FPL overhead lines are located next to the sidewalk along the west side of the project.

ARCHEOLOGICAL ASSESSMENT

The project intersects the Pine Island Ridge. Numerous archaeological sites have been recorded on this physiographic feature. Two sites are adjacent or within the project corridor:

- East Midden (8BD1113) – Late Archaic/Glades midden and burial mound.
- Rolling Hills Golf Course 1 (8BD3178) – Late Archaic/Glades burial mound.

Human remains from site 8BD1113 were identified during a previous Pine Island Road widening project. In December of 2013, Archaeological and Historical Conservancy, Inc. conducted testing as part of an assessment for a proposed sewer pipe and confirmed that site 8BD1113 extended into the eastern lane of Pine Island Road. According to the FDOT specifications if any unmarked human burial is discovered, the contractor must cease all activities and notify the Engineer. The FDOT's policy is based on State law (FS 872). This could cause project delays during construction.

Because of the high probability for archaeological sites within the project corridor, especially along the Pine Island Ridge, the project area will need to be evaluated for archaeological sites through background research and field investigations. Shovel-testing conducted at intervals consistent with the standards promulgated by the Florida Division of Historical Resources (DHR) will be excavated where possible, if not precluded by pavement, buried utilities, or other disturbances.

Our approach will be to try to avoid any unmarked burials in this area, if possible. In similar situations, our team has developed methods that avoid ground-disturbance in areas of possible graves. Up front consultation with Native American tribes, especially the Seminole Tribe will be critical. It would be much better to know how the tribes, State Archaeologist, and DHR feel about this before engineering plans are set in stone and definitely before construction

begins. An Unanticipated Finds and Archaeological Monitoring Plan will need to be written in consultation with the DHR, State Archaeologist, Broward County and possibly the Seminole Tribe before construction begins. This document will describe the procedures, protocols, and responsibilities of an archaeological monitoring crew and project construction contractors. This document will be available to the contractor to improve coordination.

LANDSCAPE CONSIDERATIONS

Based on aerials and street level imagery, there are existing trees, which are predominately Crape Myrtles and Live Oaks, that may be impacted by the proposed roadway project and would need to be addressed per Broward County's Tree Preservation requirements. Through on-site analysis, the existing trees will either need to remain in place, relocated within the project limits, or relocated off-site to Broward County property if feasible due to size and condition. If it is determined by Broward County that the existing trees cannot remain or be relocated, the trees would need to be removed and mitigated for onsite. Mitigation is calculated based on existing canopy square footage removed and determines the total number of trees required to be installed on-site to replace the canopy as part of the roadway project. Possible replacement trees can be Live Oaks and Gumbo Limbos where the medians are wide enough to allow for larger canopy trees. For narrower medians, smaller trees and palms can be used such as Crape Myrtles, Silver Buttonwoods, Sabal Palms, and Solitaire Palms as replacements. We will make efforts to save the existing hardscape (median pavers) at the southern end of the project and any proposed landscape will be coordinated with the species installed in the project to the north.

FIELD SURVEY

Field survey data has been provided by Broward County. The **RJ Behar Team** will supplement the survey data as needed. The adjacent CBWCD canal was not included with the field survey data provided by Broward County and will be obtained by our **Team**. The surveying of waterways is essential in Florida. Safely surveying these water bodies and obtaining depths safely are a challenge. The remote-controlled Hydro Boat provides us with a safe, quick, and effective way to collect data for depths of water bodies. Our subconsultant, **HSQ Group** will incorporate this equipment, together with conventional survey techniques to obtain data for the canal cross-sections for this project. Ground and channel bottom data will be obtained for the canal. The remote-controlled boat can obtain real time data on a continuous basis at any interval, with 5-foot intervals typically being adequate. Conventional surveying (i.e. GPS and/or Total Station) will be used in high vegetation areas, along the canal's edges and as checks on the Hydro Boat data. All the survey data will be combined to create a Digital Terrain Model (DTM), from which cross-sections can be obtained at any location or interval. The horizontal datum will be in Florida State Plane Coordinates (Florida East), NAD 83/90, and the vertical datum will be NAVD 88.



PHOTOGRAMMETRY

Photogrammetric mapping addresses critical safety issues and reduces the need to close busy travel lanes or place ground survey personnel in the middle of congested, high traffic corridors. In addition to accuracy and safety, photogrammetric mapping on roadway projects will result in time and cost savings. Upon receipt of an assignment under the contract, **I F Rooks & Associates** will determine, in consultation with the survey lead, what acquisition approach will best provide the information required to meet project requirements, taking into consideration, safety, accuracy and efficiency. Photogrammetric Image / Data acquisition will include one (1) or more of the following:

- Low Altitude Mapping Photography (LAMP) image acquisition at $\pm 350'$ AGL
- Fixed-wing image acquisition at altitudes between 1000' and 10,000' AGL
- Aerial LiDAR
- Terrestrial Mobile LiDAR (TML)

GEOTECHNICAL ENGINEERING

Our geotechnical subconsultant, **AREHNA's** experience includes numerous geotechnical projects in Broward County. The subject project is in the southeastern portion of Broward County. According to the USDA Soil Survey, the shallow subsurface soils in the project vicinity are predominantly sands characterized as select A-3 and A-2-4 soils. Soil conditions of concern include plastic soils and organic soils. These soils could cause long term performance issues to any proposed roadway improvements. The plastic soils, which consist of sandy silty (A-4) and sandy clay (A-6), may be encountered at depths of 18 to 42 inches at the southern portion of the alignment. The organic soils (A-8) may be encountered along most of the project alignment from depths of 44 to 58 inches. The groundwater table is anticipated to be very shallow in some areas and should be expected at depths of 0 to 18 inches during various times of the year over most of the alignment. Impacts of groundwater on the pavement sections will be evaluated. The Pine Island Road 1988 design plans indicate the presence of organic soils (A-8) under southbound and northbound lanes at the following locations:

- Sta 183+00 to Sta 185+00 (NB)
- Sta 183+00 to Sta 187+20 (SB)
- Sta 214+90 to Sta 217+00 (NB)
- Sta 220+60 to Sta 233+20 (NB)
- Sta 223+64 to Sta 225+60 (SB)
- Sta 229+62 to Sta 234+64 (SB)
- Sta 235+62 to Sta 241+50 (NB)
- Sta 238+62 to Sta 244+40 (SB)
- Sta 253+60 to Sta 257+40 (NB)
- Sta 273+70 to Sta 274+70 (SB)

The muck, which existed in 1988 under the southbound lanes was removed, however, the muck under northbound lanes was not removed. This project is a good candidate for the use of geotextile layer versus subsoil excavation, which may save the County approximately \$2 million. The **RJ Behar Team** successfully used this method in the reconstruction of SW 196th Avenue between Pembroke Road and Sheridan Street. This resulted in a \$2.5 million savings to the City of Pembroke Pines. We also utilized this method in the FDOT District 6, NW 87th Avenue from NW 74th Street to NW 103rd Street project, also resulting in significant savings.

Shallow bedrock should be expected along several areas of the alignment from depths of 32 to 58 inches. These soils may impact any proposed excavations for utility or drainage improvements or installation of the bulkhead walls. Numerous existing residential structures are located along most of the subject alignment. Mitigation of potential deformations due to roadway and asphalt compaction operations may include the use of static compaction instead of vibratory compaction in areas of vibration sensitive structures such as near existing residential properties located within approximately 100 feet of the existing edge of existing pavement.

AREHNA will work with the project team to develop an exploration plan and will submit for approval. Typical services have included geotechnical field-testing including soil test borings, pavement cores, seasonal high groundwater determination, permeability testing, laboratory testing and geotechnical analysis. AREHNA has a local, full service FDOT geotechnical and materials testing laboratory and drilling and coring service are performed in-house. Prior to performing borings, underground utility clearance and permits will be scheduled. Preliminary results of the field exploration will be shared with the team to facilitate design and plans preparation. Our results and recommendations will be provided in a written geotechnical report in general accordance with Standard Plan Indices and the current FDOT Soils & Foundations Handbook.

COORDINATION WITH THE TOWN OF DAVIE

The Town of Davie will be a partner to the County on this project. It is, therefore, important to have a Town representative present during the scoping field review along with the Consultant and County's Staff. The Town must be aware of the limits of the County's allowable scope. Any desired feasible elements outside that scope may be included in the project if the Town agrees to fund those elements through a funding agreement with the County. If the Town agrees to fund additional improvements beyond the scope, the project construction budget will need to be developed with a separate sequence for the additional scope. Based on the **RJ Behar Teams'** experience on County projects, we will progress much smoother if we involve the Town of Davie at the earliest opportunity. Our **Team** will

assist the County in the process of securing signed documents such as typical sections, pavement memorandums, agreements, and proprietary letters directly from the Town. Delivering and collecting the documents personally rather than relying on the mail will facilitate the review and approval process.

The Town of Davie will be a key player in the County's public involvement efforts. The **RJ Behar Team** will work closely with Carolina Bustamante, PE, as well as the Town's Staff, to inform and explain the goals and benefits of the project to all adjacent property owners. Public acceptance of the proposed improvements during the Preliminary Engineering phase is crucial to keeping the project on schedule.

RJ Behar has been in contact with the Town of Davie Public Works Director, Mr. Osdel Fernandez-Larrea and Town Engineer, Mr. Jonathan Vogt, PE, to discuss issues that may impact the Town of Davie and they offered the following input:

- Does the Town plan any infrastructure improvements (landscaping, water lines)? *There is a reclaimed water project within the project area to irrigate the Pine Island Park. No Landscaping planned. Mr. Fernandez-Larrea mentioned that the Town has a maintenance agreement with the County, so they prefer for the proposed landscape to be as simple as possible.*
- Have there been any issues with flooding? *Mr. Fernandez-Larrea noted that there are no flooding issues. CBWCD's Staff reported the same, no issues on the roadway.*
- What is their preference for lighting system? *Mr. Fernandez-Larrea noted that they prefer LED lighting. Lighting maintenance is part of the County/Town maintenance agreement.*
- Mr. Fernandez-Larrea mentioned that the Town requested a traffic signal at the entrance of Pine Island Ridge, between SW 30th and 36th Street some time ago.
- CBWCD staff mentioned that Pine Island Ridge Community have outfalls (under the road) to the canal on the east side.

2b. PROJECT APPROACH TO RESOLVE ISSUES AND POTENTIAL SOLUTIONS

Every project has its challenges, albeit they will vary in their degree of complexity. Challenges that we may possibly encounter include:

- Typical Sections: Our **Team** has developed four additional typical sections. They were developed to address the following issues:
 - Accommodate the required 19.5-foot wide median.
 - Harmonize adjacent property to the west.
 - To provide a roadway section that meets current **FGB** criteria and allows for a 4-foot bicycle lane with a 2-foot buffer.
- Pavement Design: Our **Team** has investigated milling/resurfacing and widening vs. complete reconstruction of the southbound lanes adjacent to the canal. This will allow us to salvage the existing sidewalk and drainage structures along the southbound lanes and will result in over a \$1.5 million in cost savings.
- 3D Design Capabilities: The benefits of 3D modeling include integration of several design processes, improved and enhanced quality control and assurance, increased efficiency, and optimized resources. In addition, a 3D model can be presented to the public and to stakeholders helping them to have a comprehensive understanding of what is occurring and seeing the details of what ultimately will be constructed.
- The existing southbound lanes were designed using a minimum 0.2% longitudinal slope. We propose, either by reconstructing or by using asphalt overbuild, to correct the longitudinal slope to a minimum 0.3%, which will improve the drainage flow into the existing inlets. **RJ Behar** will minimize Temporary Construction Easements by harmonizing grades within the public ROW.
- All horizontal clearance requirements will be minimized to avoid shielding, such as a guardrail or barrier walls.
- ROW/Construction Easements have already been identified by our design **Team** and it is a critical path schedule item that needs to be addressed early in the project. Experience has shown that at times County and municipal

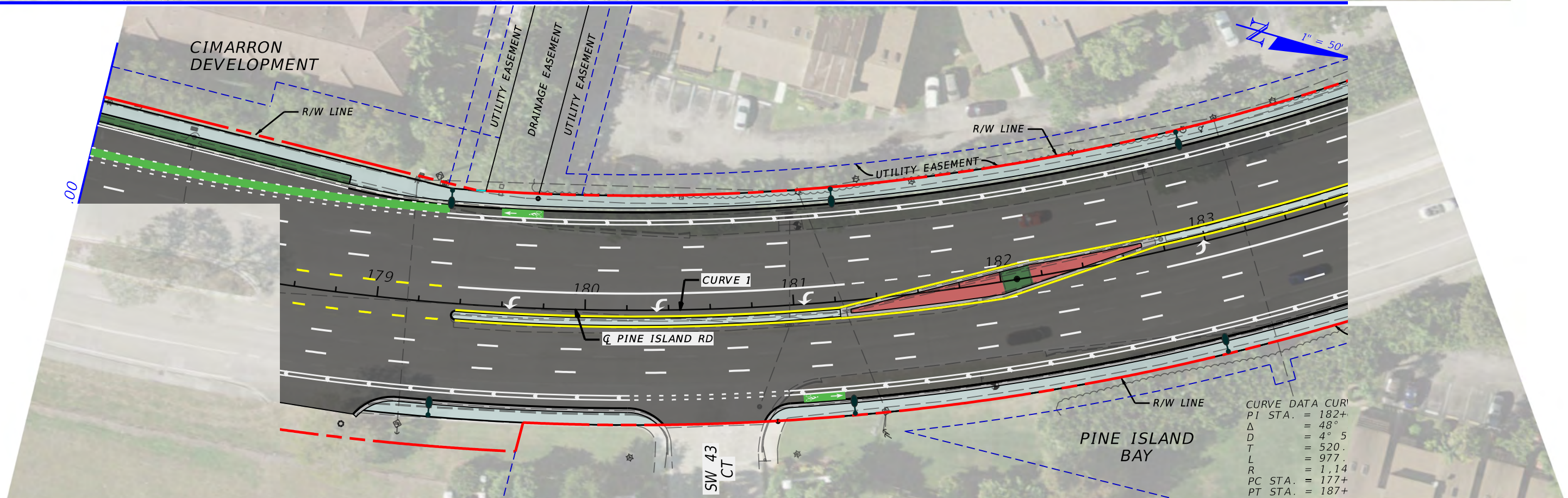
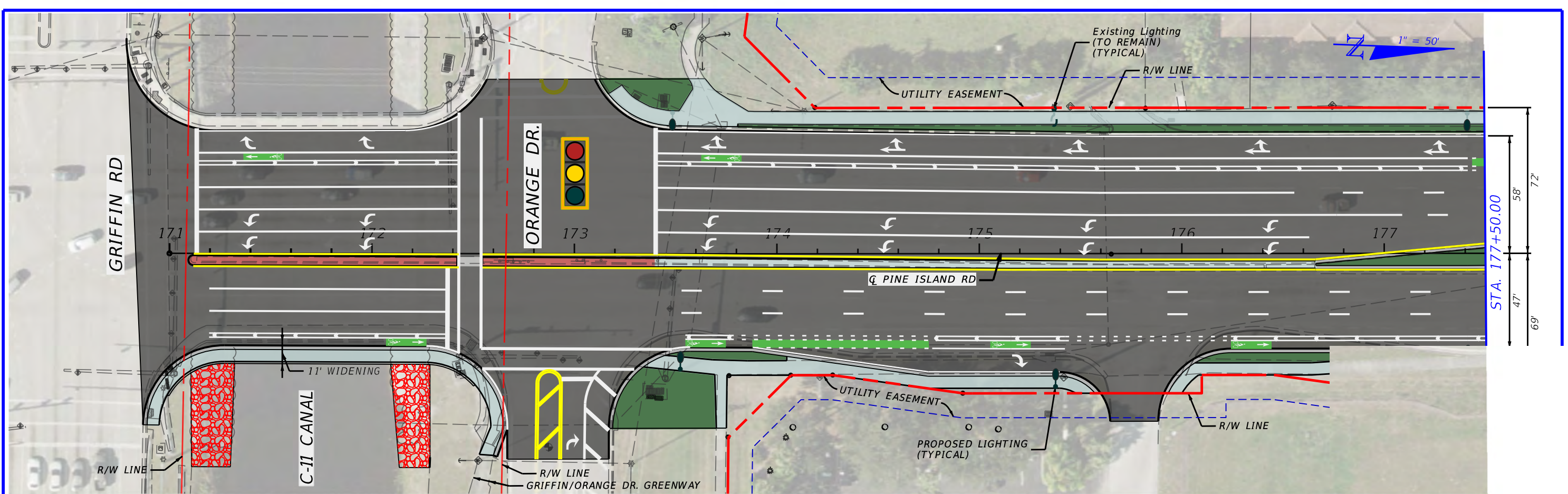
ROW information is not enough to identify the ROW lines to the standards practiced in the County. Our Surveyor will review the available ROW maps and plats where ROW lines are questionable.

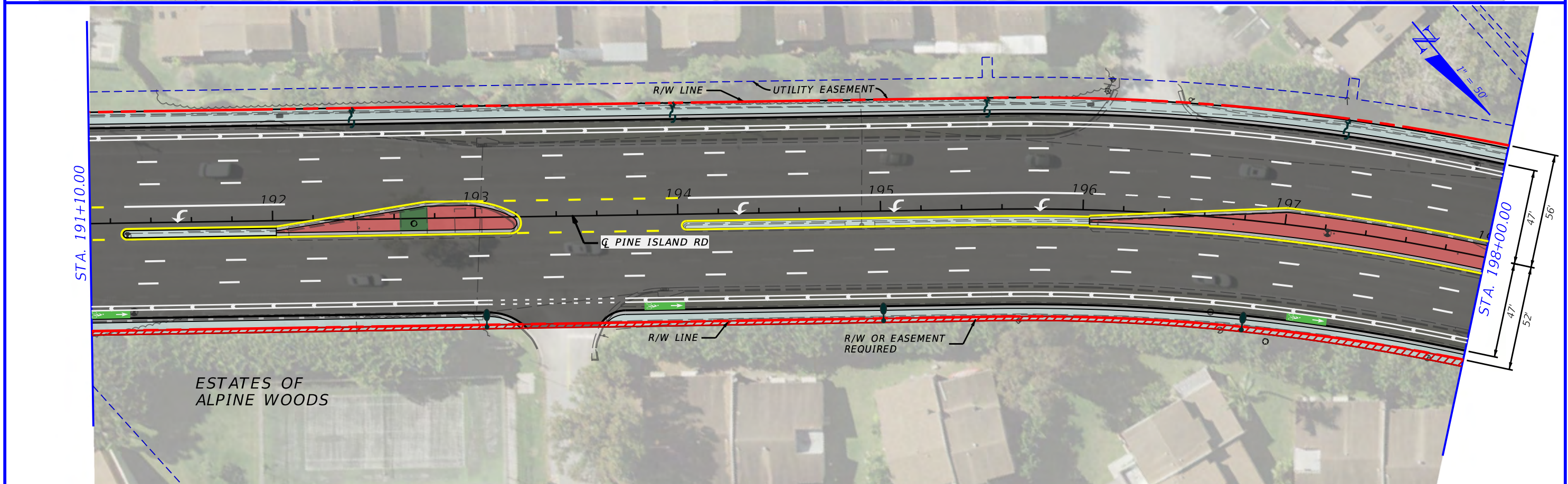
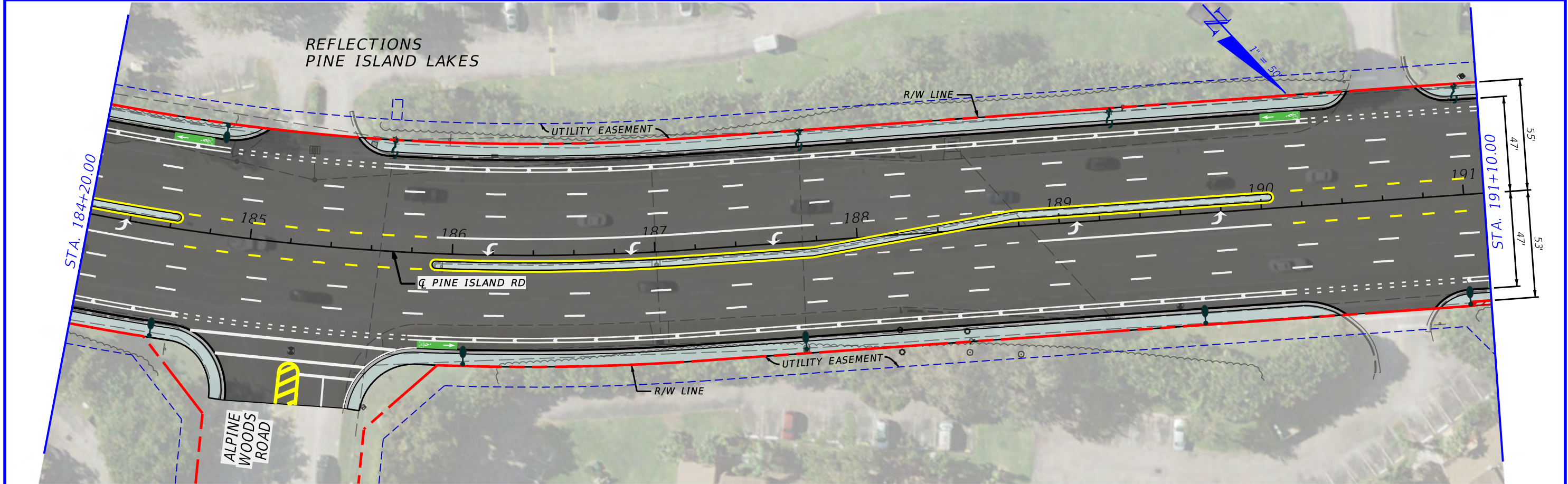
- **RJ Behar** will coordinate with Broward County Traffic Engineering Division early in the project to address the signal request by the Forest Ridge Homeowner Association, to coordinate the median opening locations, and to verify the conversion of span wire signal to mast arm signal.
- Our drainage design will maximize the existing drainage structures along the edge of the proposed southbound lanes, which will result in significant cost savings.
- Pre-permit application meetings with the permitting agencies (SFWMD, CBWCD, USCOE, FDEP) will be scheduled early on to avoid any milestone delays.
- Utility coordination: Our **Team** will identify any utility in conflict with the proposed improvements and make every effort to avoid relocations, though this may not be feasible on all cases. At times, utility owners present in County roads are not familiar with the timely preparation of utility work schedules or even no-conflict letters. Our **Team** will work closely with these utility owners to assure that these are completed according to schedule. The Subsurface Utility Engineering (SUE) effort is essential to identifying any utility conflicts and will be undertaken as soon as all the existing utility information has been collected and the proposed improvements laid out.
- An unresponsive utility company: This may require **RJ Behar** to have a face to face meeting with the utility owner's representative to address any pending issues, such as, 1) Obtaining accurate utility information, 2) Coordinating required utility relocations and 3) Obtaining a utility clear letter from the utility owner.
- The proposed lighting system will be coordinated with FPL early on to maximize joint use poles, especially if FPL is undertaking a "Hardening Plan."
- Structural Issues: Our **Team** will schedule a meeting with the Carolina Bustamante, PE, early in the project to discuss the lane geometry at the Griffin Road/Orange Drive intersection because this will affect the need to widen the Pine Island Road Bridge over the C-11 Canal. We have already investigated two options (steel vs. concrete sheet piles) for the bulkhead adjacent to Canal N-12.
- TTCP: We have investigated a couple of options for the TTCP. This proposal illustrates one option; however, this may be slightly modified depending on the typical section(s) selected and approved.
- Sound Barrier: We are aware of the local resident's request for sound barriers, as such, our **Team** will be conducting Noise Analysis to determine the locations of the proposed sound walls.
- Archeological Issues: We are aware of the high probability for archaeological sites within the project corridor, especially along the Pine Island Ridge. The project area will need to be evaluated for archaeological sites through background research and field investigations. Shovel-testing conducted at intervals consistent with the standards promulgated by the Florida Division of Historical Resources (DHR) will be excavated where possible, if not precluded by pavement, buried utilities, or other disturbances.
- Landscape Considerations: We have performed an on-site analysis and have determined the existing trees will either need to remain in place, relocated within the project limits, or relocated off-site to Broward County property if feasible due to size and condition. If it is determined by Broward County that the existing trees cannot remain or be relocated, the trees would need to be removed and mitigated for onsite.
- Photogrammetric mapping will be used to address critical safety issues and reduce the need to close busy travel lanes. In addition to accuracy and safety, photogrammetric mapping on roadway projects will result in time and cost savings.
- Geotechnical Issues: Our **Team** has reviewed the existing roadway plans and have determined that there is considerable amount of organic (A-8) material under the southbound pavement. This will require costly subsoil excavation to remove the muck. We have successfully participated in three major design projects, which incorporated geotextile layer, which resulted in over \$ 2.5 million in cost savings.
- Close coordination with the Town of Davie will be of utmost importance to ensure that any local issue is addressed and to coordinate any Joint Project Agreement (JPA) that the Town may be willing to entertain. We have already been in touch with the Town's Public Works Director and Town Engineer and currently they do not have JPA requests.

RELEVANT PROJECT EXPERIENCE

Our **RJ Behar Team's** relevant project experience includes:

- Construction Engineering Inspection (CEI) services for the section of Pine Island Road from Nova Drive to SR 84. This relevant experience has given us insight with respect to underground utility issues and constructability issues.
- SR 810/Hillsboro Boulevard at SR 809/ Military Trail Intersection Improvements, design complete 2006 and CEI complete 2012 (0.757 miles - \$1,500,000) – Broward County Highway Construction & Engineering
- SR 814/Atlantic Boulevard at Rock Island Road Intersection Improvements, design complete 2009 construction complete 2013 (0.51 miles - \$4,100,000) – Broward County Highway Construction & Engineering
- Hollywood Boulevard at N. 28th Avenue Intersection Improvements, design complete 2009 (0.42 miles) \$1,325,000) – Broward County Highway Construction & Engineering.
- NW 87th Avenue from NW 74th Street to NW 103rd Street Reconstruction (1.92 miles - \$35 million construction cost), construction complete – FDOT, District 6.
- Haverhill Road from North Caribbean Boulevard to SR 710 Reconstruction (1.65 miles - \$ 8.8 million) Palm Beach County – design complete.
- SR 845/Powerline Road from the County Line to Glades Road milling/resurfacing and widening (3.0 miles - \$11.6 million) FDOT District 4 – construction complete.
- SW 136th Street from SR 5/US 1 to Old Cutler Road milling/resurfacing and widening (1.76 miles – \$2.1 million) Miami Dade County – design complete.
- I-75/Griffin Road Interchange Roadway Improvements Reconstruction (\$4.5 million), construction complete – FDOT, District 4.





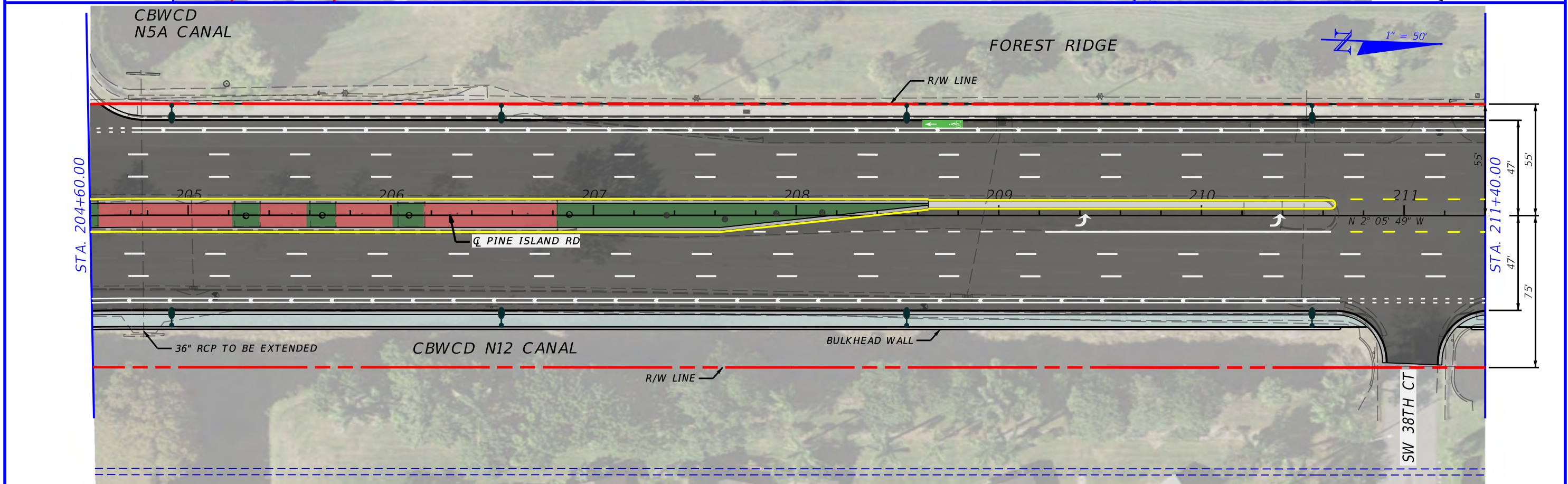
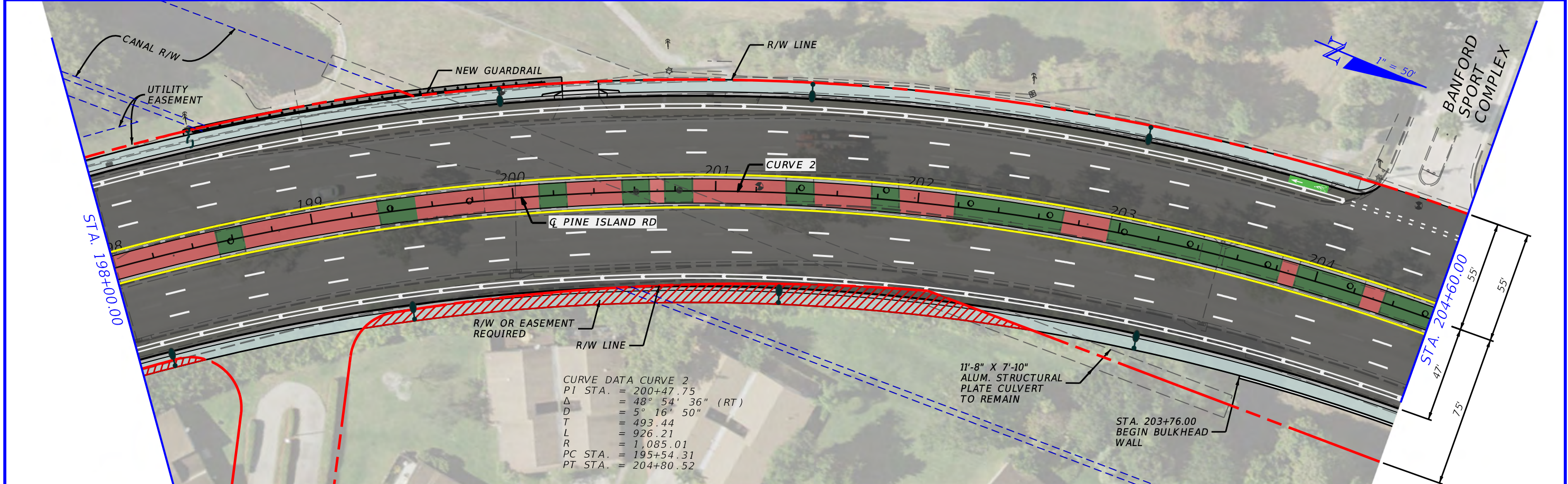
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PINE ISLAND ROAD	DAVIE

ROADWAY PLAN

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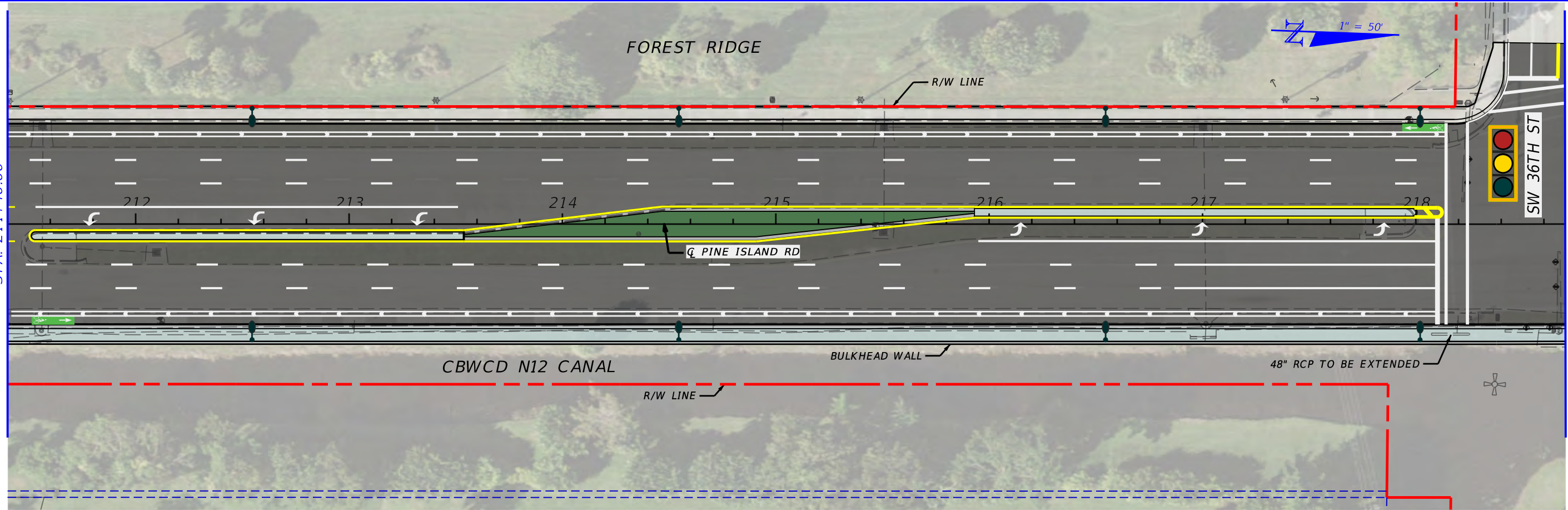


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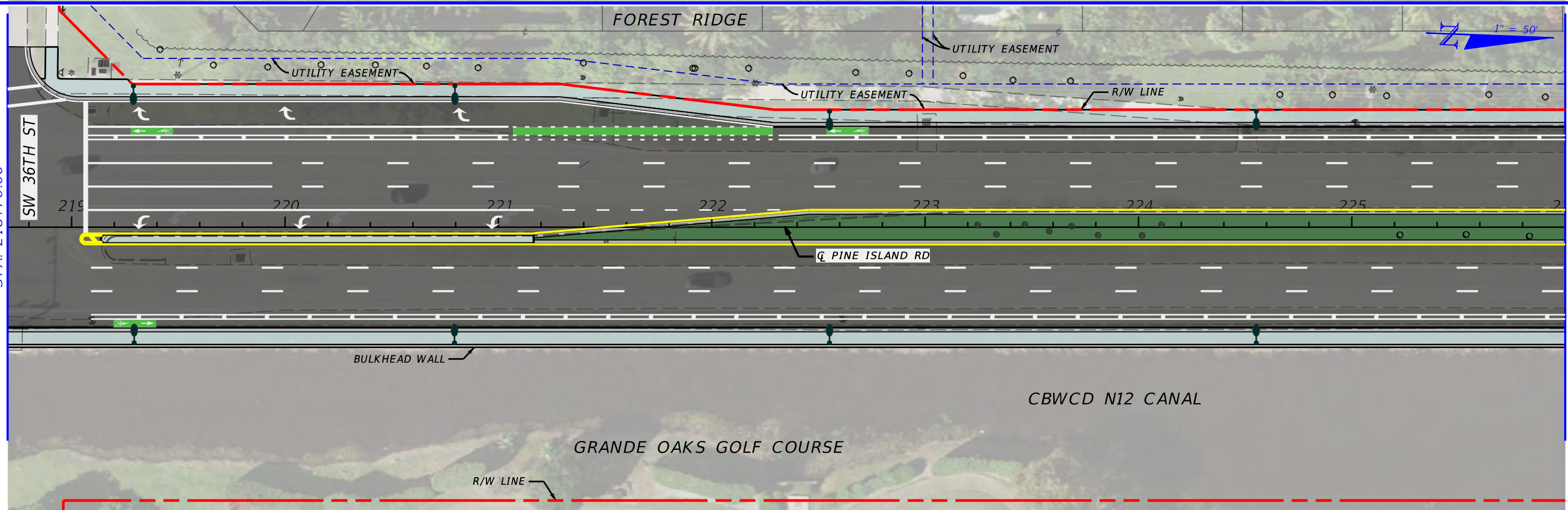
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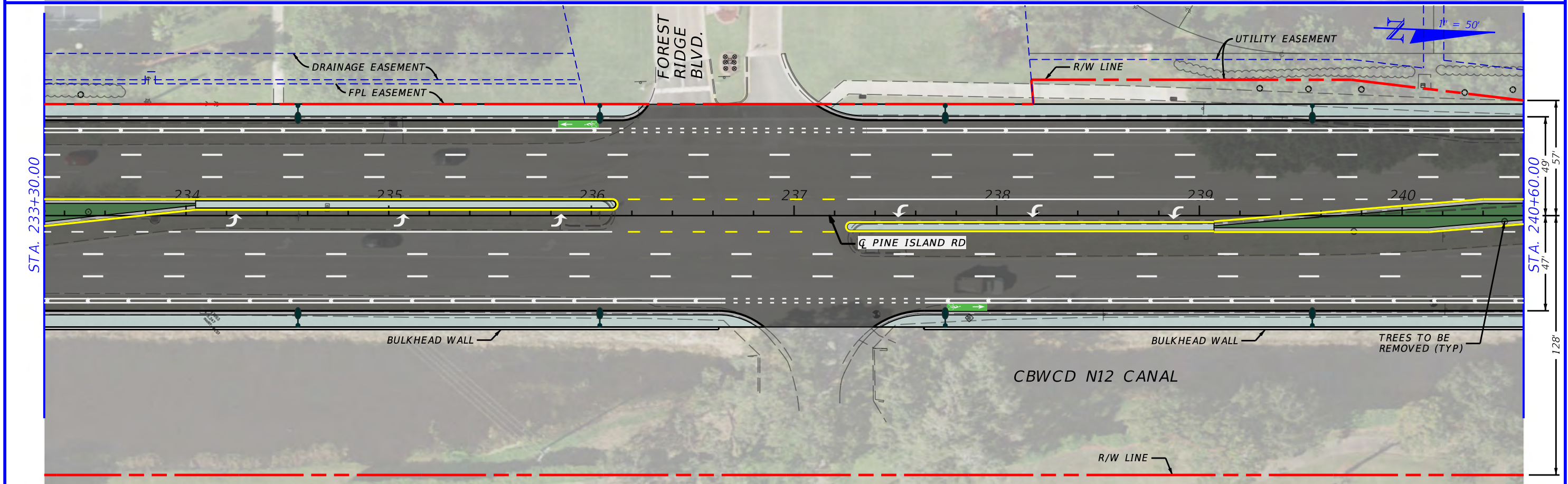
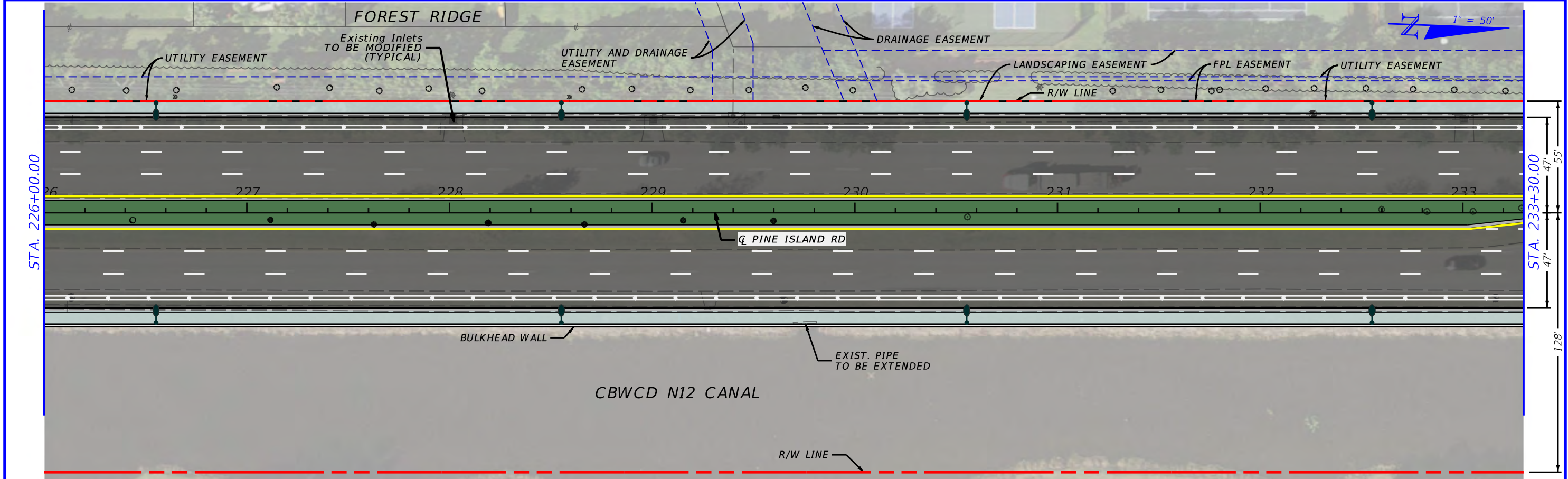
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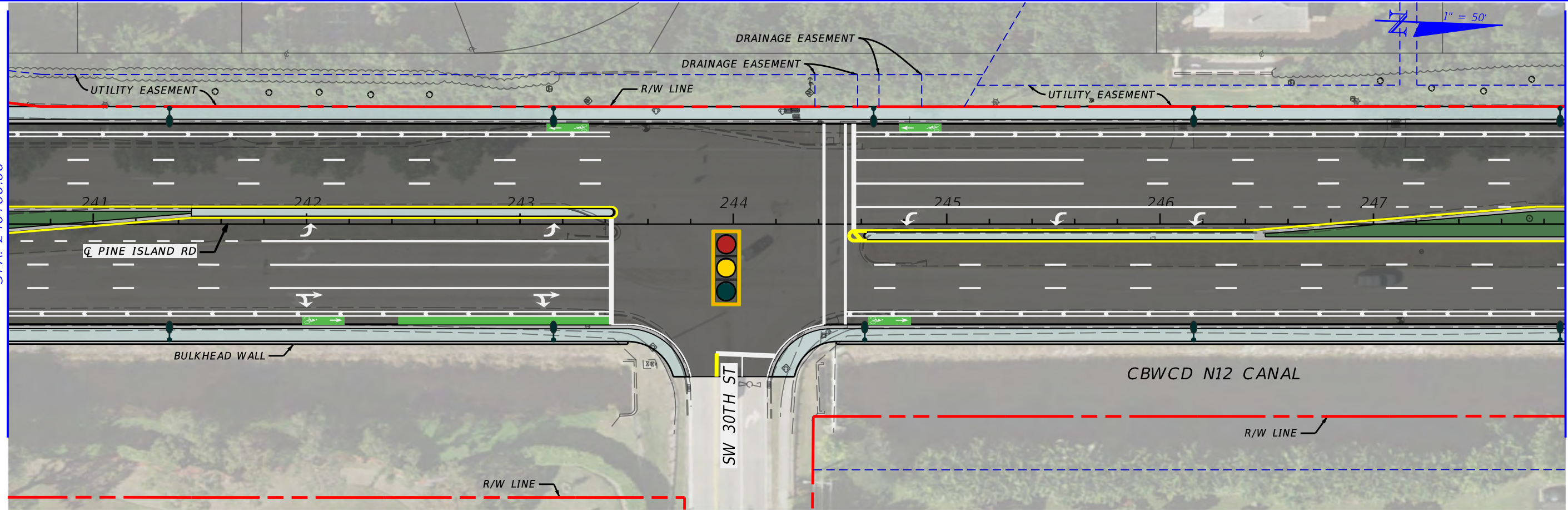


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ROADWAY PLAN

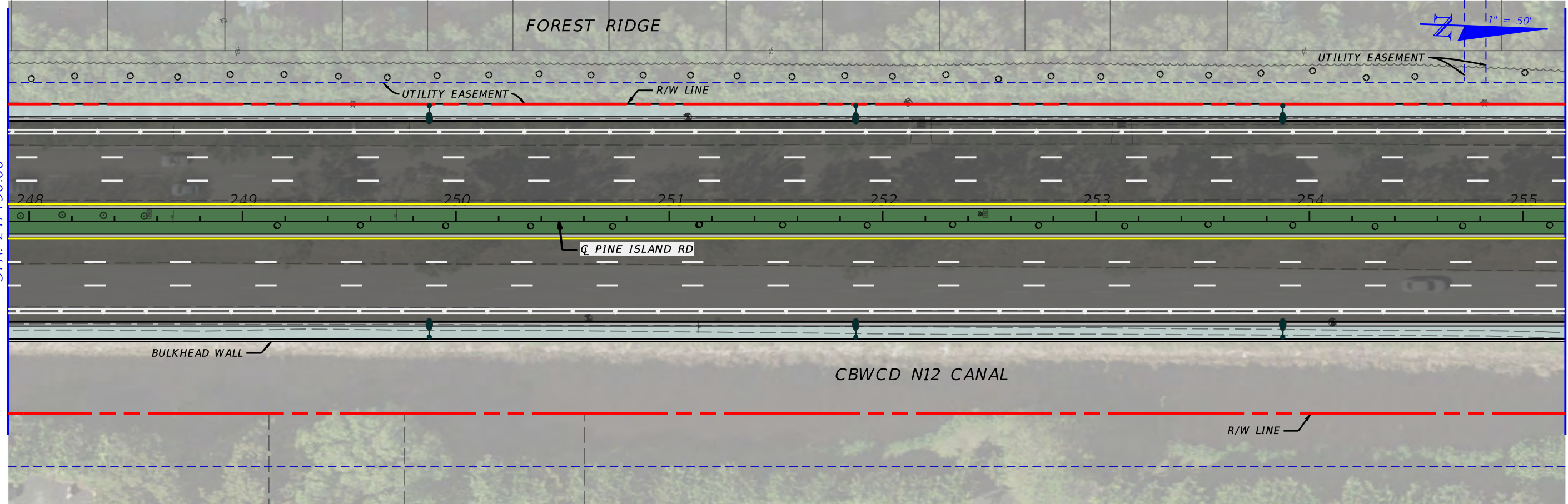
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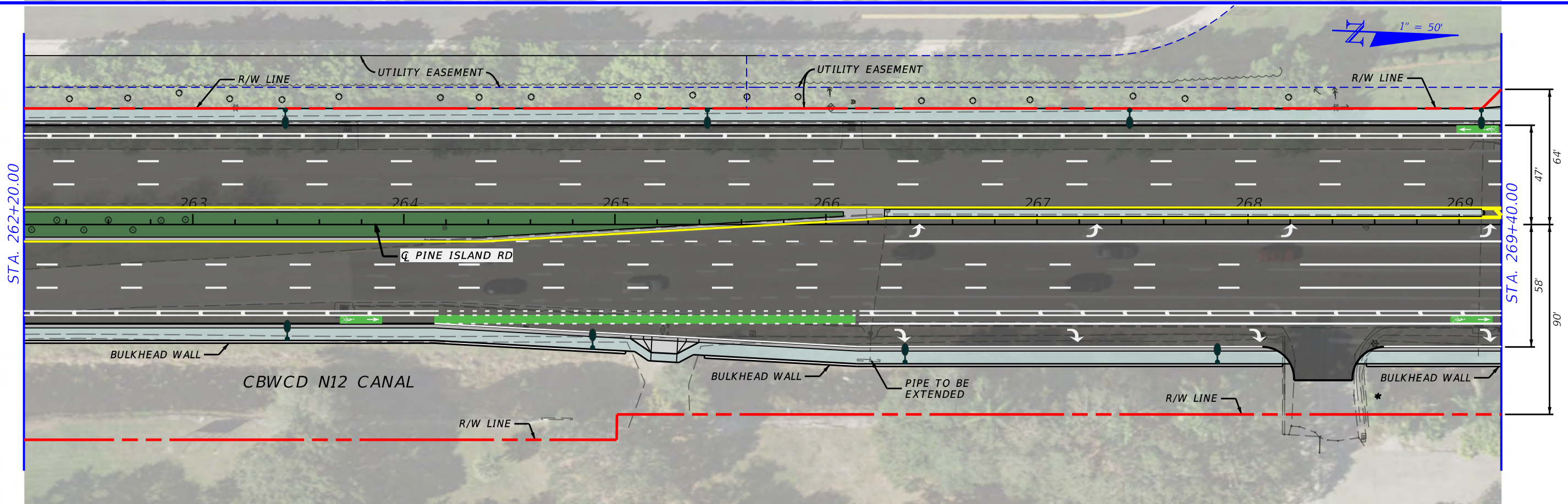
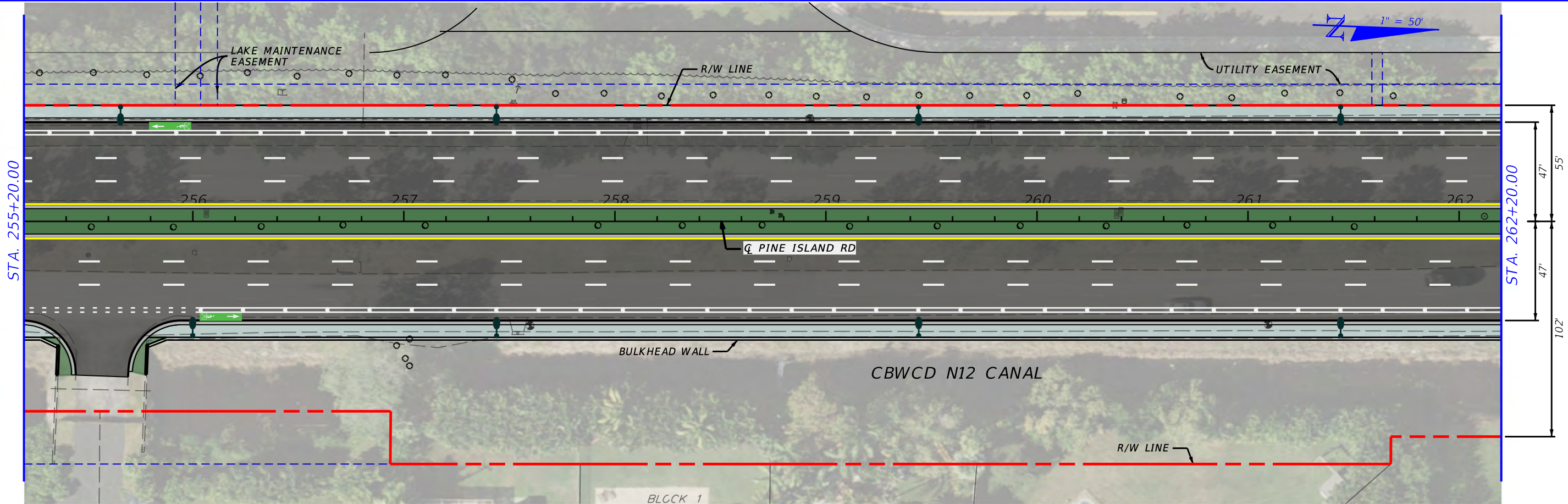
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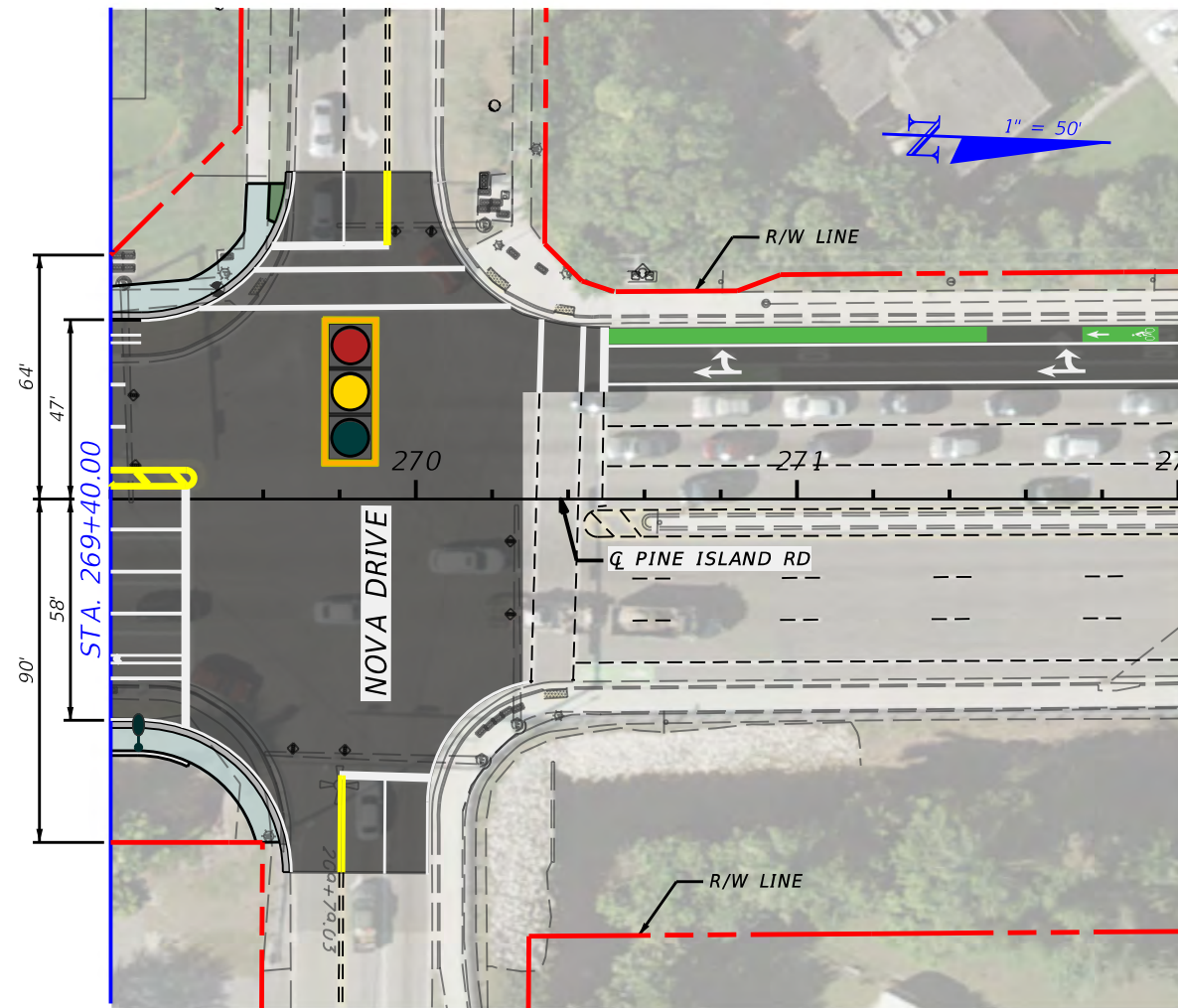
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PINE ISLAND ROAD	DAVIE

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Tab 3) Past Performance

Tab 3. PAST PERFORMANCE

RJ Behar has successfully completed previous contracts of a similar nature with a satisfactory record of performance for various government and municipal agencies. Several projects of the proposed team have received or have been nominated for engineering awards. The **RJ Behar** firm has developed an excellent reputation throughout South Florida for delivering high quality engineering services. **RJ Behar** has dependably completed projects on time and within budget requirements. We obtain project evaluations from the FDOT in the range of 3.7 to 4.7 out of a maximum of 5.0 points. We also receive evaluations from the SFWMD projects in the range of 3.5 to 4.375 out of a maximum of 5.0 points. A few of **RJ Behar's** similar projects are listed below:

NE 151st Street Improvements – Oleta Partners LLC/Miami-Dade County Public Works Department

The scope of the project consists of final design for the reconstruction of a segment of NE 151st Street from west of US 1/SR 5 to Bay Vista Boulevard within the City of North Miami, Florida. NE 151st Street is primarily an east-west urban arterial, Miami-Dade County owned roadway, with a design speed of 40 mph. The proposed improvements will provide a much needed east-west roadway east of US 1. **RJ Behar** is responsible for the roadway design, drainage design, signing and pavement markings, signalization, design of a 4-foot dedicated bike lane, lighting, wetland assessment, contamination assessment and overall utility coordination. NE 151st Street is an off-system roadway bound by the Florida Greenbook for its design criteria. The drainage design for the project includes a series of interconnected French drains with drainage wells. The design was especially challenging because of the presence of contamination in several parts of the project. The project is permitted with the South Florida Water Management District, the Miami Dade Department of Environmental Protection (DERM) and the United States Army Corps of Engineers. The design budget was \$498,000, construction costs are estimated to be \$ 5,757,000. The project was temporarily placed on hold and is starting again for completion.



SR 25/US 27/Okeechobee Road from W. of SE 7th Avenue to North of NW 36th Street – Florida Department of Transportation

This was a resurfacing, restoration, and rehabilitation (RRR) project with Intersection Safety Improvements. The portion of SR 25/US-27/Okeechobee Road, under this project, is a diagonal north-south urban principal arterial located in northwestern Miami-Dade County. The project extends from west of SE 7th Avenue to north of NW 36th Street in the City of Hialeah; including a portion of SR 953/LeJeune Road/NW 42nd Avenue extending from south of NW 36th Street in the City of Miami Springs to SE 11th Avenue in the City of Hialeah. The total project length was 1.506 miles for both roadways. SR 25 and SR 953 are both classified as Urban Principal Arterials with a design speed of 40 mph.

There were seven typical sections identified within these project limits. Along SR 25, the predominant typical section consisted of a two-lane divided road with a landscaped median, curb & gutter on both sides and sidewalk along the north side. Along SR 953, the predominant typical section consisted of three lanes divided, with curb & gutter and sidewalk on both sides. Along the Frontage Road, the typical section consisted of one lane with a design speed of 35 mph. The scope of work included milling and resurfacing, intersection island modifications and removals, upgrading pedestrian facilities to comply with ADA requirements, guardrail upgrades, signalization improvements, new signing and pavement markings and bridge railing upgrades. There were no drainage modifications within those limits. The project scope also included the addition of paved shoulders along both sides and culvert relocation at Frontage Road. **RJ Behar** performed post design services. The design budget was \$524,942.00, construction costs were \$3,240,000. The project was completed within the time and allotted budget.

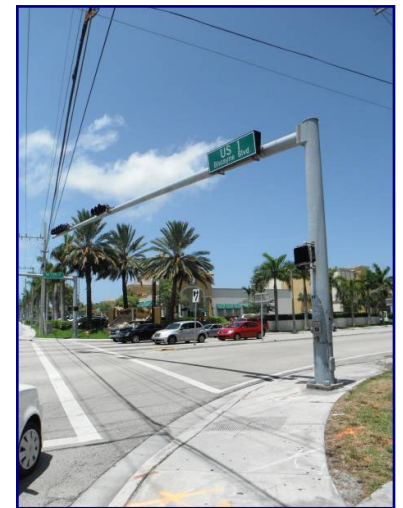
SR-5/US-1 Overseas Highway from Fontaine Drive to South of Tavernier Creek Bridge – Florida Department of Transportation, District 6

This project consisted of 0.80 miles of a 4-lane divided urban section of SR-5 located in the Florida Keys. The scope of services included milling and resurfacing, signing and pavement markings, traffic control plans and ADA and pedestrian feature upgrades. The project access management analysis resulted in the closure of several unnecessary driveways. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the typical section was modified to accommodate bicycle lanes without widening. The design budget was \$387,382, construction costs were \$1,600,000, there were no change orders, project start 2010 and project complete 2013, FDOT evaluation grade of 4.7. The project was completed on time and within budget.



SR-5/Biscayne Boulevard Between NE 121st Street and North of NE 151st Street – Florida Department of Transportation, District 6

The project corridor was composed of approximately 1.96 miles of an urban-section, 6-lane divided, principal arterial. The corridor is located in the Cities of North Miami and North Miami Beach. The scope included milling and resurfacing, pedestrian curb ramp upgrading to comply with the American Disabilities Act (ADA) requirements, signing and pavement markings, bike lane designations and traffic control plans. The project access management analyses resulted in the closure of several unnecessary driveways. Enhanced traffic signal signage was required due to a high rate of accidents at the corridor's one signalized intersection. Additionally, the typical section was modified to accommodate bicycle lanes without widening. As part of this major roadway design project, RJ Behar performed traffic operation and safety studies resulting in further improvements for this US-1 corridor. RJ Behar was responsible for the milling and resurfacing, pedestrian ADA curb ramp upgrading, signing and pavement markings, traffic control plans, pedestrian upgrades, bicycle lane designation, as well as traffic operation and safety studies. The design budget was \$425,000, construction costs were \$4,300,000. The project was completed on time and within budget.



Drexel Road over Lake Worth Drainage District's L-2 Canal Bridge Replacement - Palm Beach County Department of Engineering & Public Works, Division of Roadway Production

Palm Beach County replaced the existing bridge on Drexel Road, which crosses the L-2 Canal owned by Lake Worth Drainage District (LWDD). This project included the design and construction documents for the required bridge replacement and associated roadway and civil works.



Drexel Road was reconstructed to accommodate the bridge replacement and road widening. The proposed roadway section widened the existing two-lane road to three-lanes between south of Fair Green Road and Meadow Brook Mobile Home Park. The replacement culvert extended across the entire 80' right-of-way, providing new end walls 22' from the travelway to avoid the need for guard rail. The project length was approximately 1,400 LF based on the length of bidirectional left turn and the required transitions.



The existing bridge consisted of one 16' span concrete slab bridge supported by piles. The LWDD requested to replace the bridge with a 72" Concrete Pipe and with 25' of canal was lined with rubble rip-rap. RJ Behar performed the

hydraulic analysis of the canal culvert to verify that the allowable hydraulic losses were less than 0.20' for a design flow of 100 cfs. RJ Behar also designed the drainage modifications to the existing systems to provide adequate drainage. The existing drainage patterns were preserved, and the overland run-off will continue to discharge into the L-2 Canal. RJ Behar was responsible for the roadway design, drainage design, permitting, signing and pavement markings, signal modifications, Temporary Traffic Control Plans (TTCP), and utility coordination. The design budget was \$124,263, construction costs were \$607,000. The project was completed on time and within the allotted budget.

SR-845/Powerline Road – Florida Department of Transportation, District 4



The scope of the project consisted of complete design of widening and resurfacing three miles of a major arterial roadway, including drainage design, pavement marking and signing, overhead signing plans, lighting plans, seven signal locations, major culvert (72-inch) replacement, structural plans (bridge widening) and deck replacement, public involvement program and landscape improvements. A traffic analysis was performed using the Synchro model to determine the impact of the traffic access management improvements and to design the improvements to the signalized intersections. This project included 8 major signalized intersections. Left turn storage was added to the intersections either with added lane storage or by providing dual left turn lanes. The design budget was \$1,200,000 and

construction costs were \$8,500,000. The project was completed on time. There were additional items added during construction by the client, which increased the budget.



experience spans thousands of geotechnical, structural, and construction materials testing projects, including elements related to roadways, bridges, railways, airports, drainage features, utilities, and other City, County, and State projects. RJ Behar has worked with Arehna on numerous projects including SW 136th from US-1 to Old Cutler Road and NE 151st Street Improvements. One of their recent projects is listed below:

AREHNA provides innovative and comprehensive geotechnical and structural engineering, as well as full service materials testing and inspection services throughout the State of Florida. Their



Broward County Mast Arm Conversions, Phase II - Broward County, Florida

Ms. Angela Alba, PE served as the Senior Geotechnical Engineer responsible of providing geotechnical engineering services for this design-build project, which consisted of the conversion of 15 existing intersections to mast arm traffic control signals and the improvement of the intersection asphalt pavement. The geotechnical scope provided the following: Mast arm foundation design parameters, pavement and base coarse layer thicknesses, and recommendations for milling and resurfacing.



Since its inception, HSQ has been providing engineering services to public clients in Florida including several municipalities, counties, and FDOT, in addition to numerous large private developers throughout the State. Their services include transportation/roadway, land development planning, drainage, water and sewer, surveying, construction management, and inspection services. They have working relationships with top experts in the industry, and a track record for innovative problem solving to meet any project needs regardless of its size. One of their project examples is listed below:

SW 40th Avenue from Stirling Road to Griffin Road – Florida Department of Transportation, District 4

This project consisted of surveying one mile of a two-lane roadway on the Range Line within Ranges 41 and 42 from



**BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE**



Stirling Road to Griffin Road for roadway widening design. The survey scope included title search review of over 80 properties, dozens of right-of-way dedications and plat research. The baseline was established along the Range Line and approved by FDOT. The right-of-way was established and also approved by the FDOT. NAVD 88 vertical control was established with differential leveling from existing FDOT Benchmarks and closed on existing FDOT Benchmarks. NAD state plane horizontal control was established utilizing post processed static GPS observations for the FDOT approved Project Network Control Sheet. Topography along the route was obtained for the preparation of the 3D model for engineering design purposes. This corridor contained large force mains and raw water lines significant to three municipalities.



Janus Research offers tested experts with a solid understanding of the challenges associated with a changing environment of reduced budgets, delegation of responsibilities, and streamlined project development. Their ability to identify, assess, and solve potential issues during the early phases of a project is born from their proven record of solving issues unique to Florida and their hands-on experience guiding through the permitting and regulatory environment. Their approach stresses early and sustained coordination with a goal of developing consensus to keep the project on schedule. **RJ Behar** has developed an excellent working relationship with Janus, having utilized them as a subconsultant on the Safe Routes to School in Various Locations Project for Miami-Dade County Public Works as well as the I-95 at 6th Avenue South PD&E Project for FDOT, District 4. A project example is listed below:

SR 9/I-95 PD&E Study from South of SR 870/Commercial Boulevard to North of Cypress Creek Road – Broward County, Florida

The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649) was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.



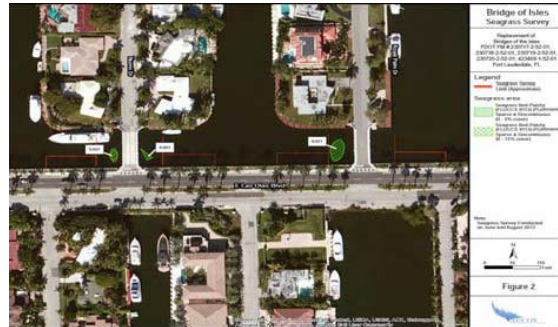
CECOS provides a wide range of environmental and ecological consulting services including environmental permitting, environmental monitoring and permit compliance, the investigation and analysis of impacts to terrestrial, wetland and coastal marine resources in tropical and subtropical environments, threatened and endangered species surveys, NEPA documentation, sea-level rise analysis, and resiliency studies. They specialize in providing these services to public sector clients including Broward County Highway and Construction Engineering, Aviation, Seaport Engineering and Construction (Port Everglades), and Environmental Protection and Growth Management, Miami-Dade County Department of Transportation and Public Works (DTPW), FDOT, and various counties, municipalities, and state and federal agencies.



RJ Behar and CECOS have worked on numerous projects including the I-95 & 6 Avenue South PD&E Project and have developed an excellent relationship.

Bridges of the Isles Design-Build - Gannett Fleming/MCM Construction/FDOT, District 4/, City of Fort Lauderdale

This project involved replacement of four low level bridges that link the Bridges of the Isles to Las Olas Boulevard and a bridge that connects Sunrise Key to the mainland. All five bridges were structurally deficient and functionally obsolete with substandard typical sections. As a result of public input, local government coordination, and a detailed comparative analysis of viable alternatives, the alternative was selected to replace the bridges along their existing horizontal and vertical alignments, and all are were replaced to meet safety and design standards. CECOS was part of the Design-Build Team and responsible for environmental permitting with permits obtained from South Florida Water Management District and United States Army Corps of Engineers. As part of the permitting effort, CECOS conducted a marine benthic survey to confirm that no significant benthic resources were present. The benthic survey revealed Johnson’s seagrass (*Halophila johnsonii*), a federally listed species, was present at two of the bridges. It was determined that the impact to a small amount of seagrass was unavoidable. An innovative mitigation plan was developed with extensive agency coordination.



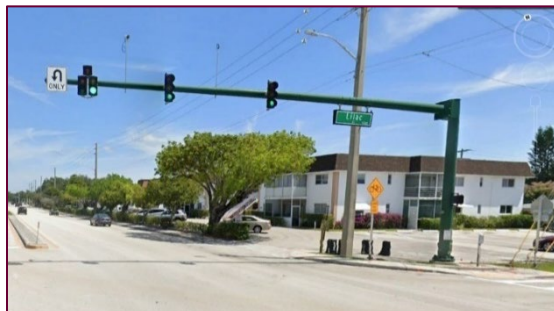
SEC’s has expertise in crosswalk and intersection lighting projects. FDOT recently updated their criteria for pedestrian lighting of crosswalks. Vertical illuminance criteria are now required for new projects or where the intersection is being reconstructed. The visibility of pedestrians in crosswalks is a function of the background illuminance, luminaire location in relation to the approach vehicle, luminaire mounting height, the distance from the luminaire to the crosswalk, and the photometrics of the luminaire. Vertical Illuminance is the primary design value to be used to measure pedestrian visibility

SEC has performed the design and provided construction management services for numerous decorative lighting installations. They have designed the decorative lighting along FDOT roadways including SR A1A in Martin, Palm Beach and Broward Counties, and along county and City streets throughout the state. Some of their more recognizable decorative lighting projects can be seen along Atlantic Boulevard in Pompano Beach, Atlantic Avenue in Downtown Delray Beach and along the PGA Boulevard Bridge across SR 811 at I-95 in Palm Beach Gardens.



Collins Road Intersection – City of Jacksonville

Larry Smith, PE served as the Engineer of Record for the design and construction management of a new signalized intersection. The new mast arm signal poles were designed along with their associated electrical services. He prepared signal timing diagrams through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly.



Lilac Street and Military Trail – Intersection Palm Beach County Larry Smith, PE served as the engineer of record for the design and construction management of a new signalized intersection for Palm Beach Gardens High School. New mast arm signal poles were designed along with their associated electrical services. Larry prepared signal timing diagrams

**BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE**



through the application and interpretation of traffic flow and signal timing models. These were included within the signal plans on the plan sheets and signed & sealed accordingly. The projects were completed on time and within the original budget.



InfraMap is a leading provider of Utility Infrastructure Mapping and Subsurface Utility Engineering services. They collect utility infrastructure data in the field using sophisticated geophysical techniques and instrumentation (including GPR), with automated data collection gear and state of the art survey equipment. RJ Behar & InfraMap have worked on several projects together for municipalities throughout Broward County ,including the Copans Road Wastewater Transmission Design. Project examples listed below:



I-95 Dade/Broward County Line to Johnson Street – FDOT, District 4

InfraMap crews performed utility designation and survey for utilities located on Interstate 95. InfraMap Corp also designated Hallandale Beach Blvd, Pembroke Road and Hollywood Blvd. InfraMap provided utility designating deliverables in EFB/CAICE/MicroStation CADD. InfraMap performed this work as a subconsultant.



IFR is an FDOT Mapping Firm that offers an unmatched combination of experience, technical capability and in-depth knowledge of highly accurate aerial imagery and photogrammetry. They are prequalified by the FDOT in

Category 8.3 Photogrammetry and have completed mapping projects in every District in the State.

PD&E Design for Widening the Turnpike from North of Johnson Street to Griffin Road Broward County – Florida Turnpike Enterprise

I.F. Rooks was contracted to perform low altitude aerial photography along the Turnpike from Johnson Street to Griffin Road (± 10.0 miles) to produce a 3D Design File in SURVRD/MicroStation format. An additional flight was performed to acquire imagery to produce a digital mosaic at 1" = 50' in HMR and TIFF formats.

CRINIEN THOMPSON



& ASSOCIATES INC.

CTA has designed many landscape architectural projects within Broward County, including complete streets, neighborhood entry improvements, streetscape, median beautification and irrigation design. In addition, they provide landscape plan code/permit review as well as meeting with residents on landscape issues. RJ Behar has worked on several projects with CTA on numerous projects including the SR-810/Hillsboro Boulevard at SR-809/Military Trail Intersection Improvement Project and the SR-814/Atlantic Boulevard at Rock Island Road Intersection Improvement Project for Broward County Construction & Highway Engineering

NE 14th Avenue between Hallandale Beach Boulevard and Atlantic Shores Boulevard

The project corridor is approximately 3,400 linear feet. The project included milling and overlay of the entire roadway including pavement markings; on east side of NE 14th Avenue, milling and overlay off-street parking including pavement markings and provided new Type 'D' curbed landscape bulb-outs to delineate parallel parking and included canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14th Avenue; landscape screening along north, south, and west sides of the two stormwater pump stations. Landscaping along the west side of the enclosure was limited due to the close proximity of the screen fence to the existing sidewalk; PaveDrain concrete block access drives on each side of the two stormwater pump stations; mid-block crosswalks; and resting areas



BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



(benches, trash cans, etc.) Craven Thompson & Associates, Inc. provided surveying, landscape architectural, civil engineering services, and CEI Services

Another test of our ability to complete projects on time and within budget is repeat business. The following table indicates clients for which RJ Behar has been in constant services and the duration of those services.

Client	Type of Contract	Years Under Contract
City of Hialeah	General Engineering Services (over 50 miles of Complete Streets Projects)	20
SFWMD	General Engineering, Construction Management	17
FDOT D4	Several Contracts	20
FDOT D6	Several Contracts	20
Central Broward Water Control District	District Drainage Engineer	13
City of Pompano Beach	General Engineering Services	7
City of Lauderdale Lakes	General Engineering Services	15
City of Lauderhill	General Engineering Services	16
Town of Cutler Bay	General Engineering Services	10

Please refer to our Reference Forms immediately following this page for projects of similar nature, scope and duration for which **RJ Behar** completed the work within the allocated time and budget.



Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: **R.J. Behar & Company, Inc.**

Organization/Firm Name providing reference:
Village of Palmetto Bay, Florida

Contact Name: **Mr. Dionisio Torres** Title: **Director, Public Works** Reference date: **July 01, 2020**

Contact Email: **dtorres@palmettobay-fl.gov** Contact Phone: **(305) 969-5011**

Name of Referenced Project: **SW 136TH Street Shared Use Path Project**

Contract No. **FM 434687-1 LAP project** Date Services Provided: **2/26/2019 UP 03/2020** Project Amount: **\$1,700,345.00 (Estimated)**

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

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

Description of services provided by Vendor:

Project management, site visits, signing and pavement markings, utility coordination. The project involves roadway plans, resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane, pavement marking and signing plans, utility coordination, drainage design and, permitting.

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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)

THIS SECTION FOR COUNTY USE ONLY

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

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SW 136TH STREET FROM US 1 TO OLD CUTLER ROAD LAP
VILLAGE OF PALMETTO BAY, FLORIDA

CLIENT:

Mr. Dionisio Torres
Director, Public Works
Village of Palmetto Bay
9705 East Hibiscus Street
Palmetto Bay, Florida 33157
Tel: 305-969-5011
Email: dtorres@palmettobay-fl.gov

RJ BEHAR'S ROLE:

Project management, site visits,
signing and pavement markings,
utility coordination

PROJECT STARTED: 2/26/2019
PROJECT COMPLETED: 3/2020
COST/FEE PAID: \$193,171.00
CONSTRUCTION COST:
\$1,700,345.00 (Estimated)
CHANGE ORDERS: None
TIME EXTENSIONS: None
PROJECT LENGTH: 1.75 miles

RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE
Principal in Charge

Carlos Mazorra, PE
Project Manager

Kira Leon, PE
Project Engineer

Hector Rosario, EI
Project Engineer

R.J. Behar & Company, Inc. (RJ Behar) was contracted by the Village of Palmetto Bay to provide professional engineering services for the construction of roadway improvement project and on-road dedicated bicycle lanes along SW 136th Street from US-1 to Cutler Road.

This is a Local Agency Program (LAP) Agreement project between Miami-Dade County, the Village of Palmetto Bay, the Village of Pine Crest and the Florida Department of Transportation.

The project involves roadway plans, pavement marking and signing plans, utility coordination, drainage design and, permitting. The improvements will require milling and resurfacing the existing roadway and pavement widening to accommodate an on-road dedicated bicycle lane. The primary challenge for this project was accommodating the proposed sidewalks and bicycle lanes in a right of way constrained corridor.





Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: **R.J. Behar & Company, Inc.**

Organization/Firm Name providing reference:

Palm Beach County, Department of Engineering and Public Works Division of Roadway Production

Contact Name: **Sandra M. Ospina, PE**

Title: **Project Manager**

Reference date: **6/26/2020**

Contact Email: **SOspina@pbcgov.org**

Contact Phone: **561-478-5795**

Name of Referenced Project: **Florida Mango Road Bridge Replacement over the L-2 Canal**

Contract No.

Date Services Provided:

Project Amount:

PBC# 2017512

07/2017 UP 09/2019

\$901,590.61 (Est)

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

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

Description of services provided by Vendor:

Drainage design, roadway improvements, structural engineering, force main & water main design, pavement marking and signing, and permitting. The scope of the project included replacement of the bridge with concrete culverts, structural design for new headwalls, and canal regrading and slope protection.

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)

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Verified by:

Division:

Date:

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FLORIDA MANGO ROAD BRIDGE REPLACEMENT OVER THE L 2 CANAL WEST PALM BEACH, FLORIDA

CLIENT:

*Palm Beach County
Department of Engineering
& Public Works Division of
Roadway Production
2300 N. Jog Road, 3rd Floor, West
West Palm Beach, Florida 33411*

*Sandra M. Ospina, PE
Project Manager
561-478-5795
SOspina@pbcgov.org*

RJ BEHAR'S ROLE:

*Drainage design, roadway improve-
ments, structural engineering, force
main & water main design, pave-
ments marking and signing, and
permitting.*

*PROJECT STARTED: 07/2017
PROJECT COMPLETED: 09/2019
COST/FEES PAID: \$129, 894.89
CONSTRUCTION COST:
\$901,590.61 (Est)*

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Jasmani Riveron, PE
Project Manager*

*Hans Murzi, PE
Drainage Engineer*

*Jose Peña, PE
Structural Engineer*

R.J. Behar & Company, Inc. (RJ Behar) developed the design for the removal of the existing bridge over the L-2 canal and replacement with a dual 72" equivalent elliptical pipe system. The scope of the project included replacement of the bridge with concrete culverts, structural design for new headwalls, and canal regrading and slope protection. The bridge is located adjacent to a pump station that is maintained by South Florida Water Management District.

As part of the project, RJ Behar designed the relocation of 130 ft of 6-inch force main and 115 ft of 12-inch water main for Palm Beach County WUD. Additionally, RJ Behar designed the relocation of 118 ft of 4-inch force main and 120 ft of 8-inch water main for the City of West Palm Beach.

RJ Behar also coordinated the plans with the City of West Palm Beach and obtained the Health Department permits for all relocated utilities.





NW 102 AVENUE FROM NW 138 STREET TO NW 142 STREET
CITY OF HIALEAH, FLORIDA

CLIENT:
Streets Department

*Mr. Jose Sanchez
Director, Streets Division
5601 East 8th Avenue
Hialeah, Florida 33013
Tel: (305) 687-2611
Fax: (305) 687-2632
E-mail: JOSANCHEZ@hialeahfl.gov*

RJ BEHAR'S ROLE:
*Roadway Design, Drainage, Signing,
Pavement Marking, Signal Plans,
and Lighting.*

PROJECT STARTED: 11/28/2017
PROJECT COMPLETED:
11/30/2018
COST/FEES PAID: \$108,206.00
CONSTRUCTION COST:
\$1,146,340
PROJECT LENGTH: 0.269 miles

RJ BEHAR'S KEY PERSONNEL:
*Robert J. Behar, PE
Project Manager/Engineer of Record*

*Paola Riveros, PE
Project Engineer*

*Nanette Akyaz
Designer*

*Elmer Cardenas, PE
Drainage Engineer*

*Juan Vazquez, PE
Drainage QC*

R.J. Behar & Company, Inc. (RJ Behar) was contracted by the City of Hialeah (City) to provide roadway improvements for the reconstruction of N.W. 102nd Avenue Street from N.W. 138th Street to N.W. 142nd Street within the City of Hialeah. This project falls within Miami Dade County Drainage Basin B. A Cut and Fill Permit was required to comply with Miami Dade County's Department of Regulatory and Economic criteria.

The scope of this project consisted of roadway reconstruction of a three-lane roadway with dual left turn lanes, curb and gutter type F, valley gutter, new sidewalks, combination of swale and exfiltration drainage systems, storm sewers, sodding, signing, pavement markings, signal plans and roadway lighting. The lighting design consisted of conventional cobra head lighting.





Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: **R.J. Behar & Company, Inc.**

Organization/Firm Name providing reference:

Florida Department of Transportation, District 6

Contact Name: **Ana Arvelo, PE**

Title: **Project Manager**

Reference date: **06/16/2020**

Contact Email: **ana.arvelo@dot.state.fl.us**

Contact Phone: **305-470-5210**

Name of Referenced Project: **87th Avenue from NW 74th Street to NW 103rd Street**

Contract No.
405615-3-52-01

Date Services Provided:
04/28/2005 UP 09/19/2019

Project Amount:
\$36,515,000.00

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

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

Description of services provided by Vendor:

Roadway/Traffic Control Plan design, pavement marking and signing, signalization, lighting, drainage and permitting, bridge construction, utility coordination, traffic study, traffic counts, traffic projections, and traffic warrants services, post design services.

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 type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Timeliness of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Project completed within budget	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Cooperation with:				
a. Your Firm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Subcontractor(s)/Subconsultant(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Regulatory Agency(ies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments: (provide on additional sheet if needed)

Please see attached evaluation form.

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Verified by:

Division:

Date:

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NW 87TH AVENUE FROM NW 74TH STREET TO NW 103RD STREET
MIAMI DADE COUNTY, FLORIDA

CLIENT:

Florida Department of
Transportation District 6

Ms. Ana Arvelo, PE
Project Manager
1000 NW 111th Avenue
Miami, Florida 33172
Tel: (305) 470-5210
Fax: (305) 470-6725
E-mail: ana.arvelo@dot.state.fl.us

RJ BEHAR'S ROLE:

Roadway/Traffic Control Plan (TCP) design, pavement marking and signing, signalization, lighting, drainage and permitting, bridge construction, utility coordination, traffic study, traffic counts, traffic projections, traffic warrants services, and structural design services.

PROJECT STARTED: 04/28/2005
PROJECT COMPLETED: 09/2019
COST/FEES PAID: \$2,994,823.00
CONSTRUCTION COST:
\$36,515,000.
PROJECT LENGTH: 2 miles
FM#: 405615-3-52-01

RJ BEHAR'S KEY PERSONNEL:

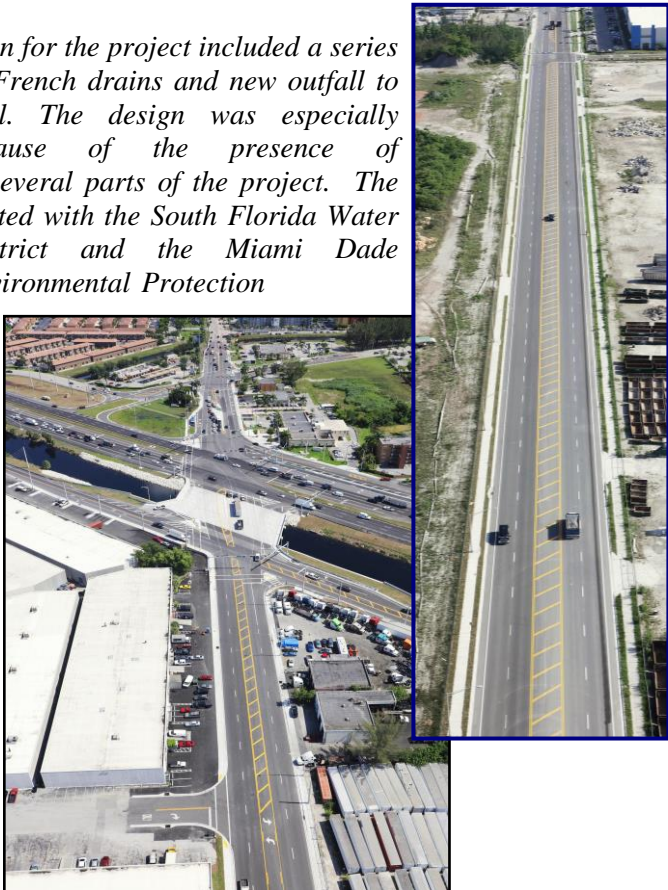
Robert J. Behar, PE
Project Manager
Juan Vazquez, PE, PH, BCEE
Drainage Engineer
Marlin Scattolini, PE
Project Designer
Rafael De Arazoza, PE, PTOE, CPM
Traffic Engineer
Carlos Mazorra, PE
Signalization Plans
Hans Murzi, PE, CFM
Project Engineer
Paola Riveros, PE
Project Engineer
Jasmani Riveron, PE
Project Engineer
Kira Leon, EI
Project Engineer
Nanette Akyaz
Project Designer

The scope of the project consisted of final design for the reconstruction of a segment and new construction of NW 87th Avenue from NW 74th Street to NW 103rd Street (2 miles), within the Town of Medley, Florida. NW 87th Avenue is primarily a north-south urban arterial, Miami-Dade County owned roadway, with a design speed of 40 mph. The proposed improvements will provide a much needed north-south corridor along western Miami-Dade County. R.J. Behar & Company, Inc. (RJ Behar) was responsible for the roadway design, traffic studies, drainage design, signing and pavement markings, signalization, lighting, and overall coordination. NW 87th Avenue is an off-system roadway bound by the Florida Greenbook, for its design criteria. The NW 87 Avenue project included a Shared Use bicycle lane, also known as a "Sharrow". The Shared Use bicycle lane was accomplished by utilizing a 14-foot wide outside travel lane that will be shared by bicyclists and motorists.

The scope of this project included a traffic study to evaluate existing conditions and develop short-range and longer-term improvement alternatives to address identified deficiencies and evaluate the proposed alternatives and to determine the optimal geometrics. Traffic projections, traffic operations and signal warrants for eight intersections in an area involving three major roadways were also performed. Several improvements were identified that significantly improved operation and safety. Study was successfully completed and received approval by FDOT

The drainage design for the project included a series of interconnected French drains and new outfall to the Miami Canal. The design was especially challenging because of the presence of contamination in several parts of the project. The project was permitted with the South Florida Water Management District and the Miami Dade Department of Environmental Protection (DERM).

The project included a new bridge over the Miami Canal. A Bridge Hydraulic Report (BHR) was prepared for the new crossing, addressing canal hydraulics, scour and bridge clearances.





STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CONSULTANT QUALITY EVALUATION - TYPE OF
 WORK 3.1, 3.2, 3.3**

Contract Number: **C8F33**
 Eval Status: **Approved**

Contract Number:	C8F33	Project Title:	NW 87 AV FR NW 74 - NW 103 ST
Prime Consultant Business Name:	R. J. BEHAR & COMPANY, INC.	Sub Consultant:	
Consultant Project Manager First Name:	Robert	Consultant Project Manager Last Name:	Behar
FDOT Project Manager:	Ana Arvelo	FDOT Project Manager Phone Number:	3054705210
Work Type Number:	3.2	Work Type Description:	Major Highway Design

Task Work Order Entry:

FM Number List:

40561533201

Enter Additional Identifying Information for Evaluation:

Construction Contract Number (CCN) and Project Manager (CPM)

CCN	CPM Name	CPM Phone
-----	----------	-----------

FDOT Design Project Manager:

Name

Phone

TOTAL SCORE FOR QUALITY CRITERIA: 4.0

FDOT Evaluator: Ana Arvelo **Date:** 01/13/2020

FDOT Reviewer 1: Humberto Gomez **Date:** 01/15/2020

FDOT Evaluator General Comments:

QUALITY EVALUATION CRITERIA

Performance Rating Scale (1-5)

INSTRUCTIONS:

For each numbered item below, please select a score from 1 to 5 in accordance with the performance rating scale. Do not score a criteria item if the criteria item is not applicable to the evaluation. Comments must be entered for ratings of 1 or 5.

Quality Criteria for Highway Design-Roadway	Average Score	4.0
---	---------------	-----

Rating Scale: 1 - 5

- | | |
|---|---|
| 1. Compliance with Project Scope | 4 |
| 2. Typical Section Package | 4 |
| 3. Phase Submittals | 4 |
| 4. Variations and Exceptions | |
| 5. Geometrics/Engineering Reports | 4 |
| 6. Pavement Design Package | 4 |
| 7. Roadway Drainage Design (Exercised good judgement and designed according to criteria in the Drainage Manual, PPM, Design Standards, Drainage Handbooks, District Drainage Guidelines) | 4 |
| 8. Stormwater Management Facility Design and WMD Permitting | 4 |
| 9. Environmental Permitting Services (Corp.of Eng., USCG, Local Permits, etc.) | |
| 10. Bridge Hydraulics Report, including Scour Calculations and Deck Drainage | |

11. Earthwork and Soils	4
12. Utility Coordination/Adjustments (Timely Phase Submittal and Review)	4
13. Utility Agreements and Work Schedules	
14. Traffic Control Plans/Maintenance of Traffic	4
15. Miscellaneous Structures Plans	
16. Right of Way Requirements and Coordination	4
17. Local Agency Coordination and Public Meetings	4
18. Pay Items and Quantities	4
19. Overall Content, Format and Assembly of Roadway Plans	4
20. Maintain and Update Construction Cost Estimates	4
21. Specifications	4
22. Electronic Delivery	4

FDOT Evaluator Section Comments:

Interim or Final Evaluation? Final



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CONSULTANT SCHEDULE AND MANAGEMENT
 EVALUATION**

Contract Number: **C8F33**
 Eval Status: **Approved**

Contract Number:	C8F33	Project Title:	NW 87 AV FR NW 74 - NW 103 ST
Prime Consultant Business Name:	R. J. BEHAR & COMPANY, INC.	Sub Consultant:	
Consultant Project Manager First Name:	Robert	Consultant Project Manager Last Name:	Behar
FDOT Project Manager:	Ana Arvelo	FDOT Project Manager Phone Number:	3054705210

Task Work Order Entry:

FM Number List:

Enter Additional Identifying Information for Evaluation:

Submitted Schedule and Management evaluations must be Bundled with one or more Prime Consultant Quality evaluations.

SCHEDULE EVALUATION CRITERIA 4.0

MANAGEMENT EVALUATION CRITERIA 4.0

FDOT Evaluator: Ana Arvelo **Date:** 01/13/2020

FDOT Reviewer 1: Humberto Gomez **Date:** 01/15/2020

FDOT Evaluator General Comments:

SCHEDULE EVALUATION CRITERIA

Performance Rating Scale (1-5)

INSTRUCTIONS:

For each numbered item below, please select a numerical score from 1 to 5 in accordance with the performance rating scale. Do not provide a rating for criteria that do not apply to this evaluation. Comments must be entered for ratings of 1 or 5.

A. Project Phase Submittals (40%)	Average Score	4.0
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Rating Scale:	1 - 5
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Project Phase Submittals		4
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FDOT Evaluator Section Comments:

B. Project Milestones (20%)	Average Score	4.0
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Rating Scale:	1 - 5
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Project Milestones		4
---------------------------	--	---

FDOT Evaluator Section Comments:

C. Status Reports/Schedule Updates (20%)	Average Score	4.0
--	---------------	-----

Rating Scale:	1 - 5
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Status Reports/Schedule Updates		4
--	--	---

FDOT Evaluator Section Comments:

D. Other Project Deliverables (20%)	Average Score	4.0
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Rating Scale:	1 - 5
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Other Project Deliverables		4
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FDOT Evaluator Section Comments:

MANAGEMENT EVALUATION CRITERIA

Performance Rating Scale (1-5)

INSTRUCTIONS:

For each numbered item below, please select a numerical score from 1 to 5 in accordance with the performance rating scale. Do not provide a rating for criteria that do not apply to this evaluation. Comments must be entered for ratings of 1 or 5.

A. Administration of Contract (weight = 20%)	Average Score	4.0
	Rating Scale:	1 - 5
1. Effectively and proactively controlled the Contract.		4
2. Administered the Contract in an organized manner and was proficient in applying administrative, procedural and technical skills to Contract.		4
3. Effectively coordinated with Department personnel to ensure effective Contract management, with required submittals made timely, in the subscribed format, with no material errors.		4
4. Submitted properly documented invoices; sub-consultants paid promptly; contract funds were tracked and reported as requested to avoid rush amendments, out-of-fund conditions or supplemental agreements.		4
5. Complied with established DBE/MBE commitment.		
6. FOR TASK DRIVEN CONTRACTS ONLY: Responded to the Department in a timely manner regarding tasks requests. For accepted tasks, promptly developed an understanding of the assignment, prepared and submitted an accurate time/fee package, and efficiently initiated the assignment.		

FDOT Evaluator Section Comments:

B. Management of Issues and Resources (weight = 25%)

Average Score 4.0

Rating Scale: 1 - 5

- 1. Effectively resolved issues; made decisions based on solid logic and sufficient supporting detail. 4
- 2. Properly supervised staff and coordinated the effort of sub-consultants. 4
- 3. Effectively minimized the unnecessary involvement of Department staff. 4
- 4. Effectively managed resources. Continuously provided experienced staff as proposed; was responsive to Department staffing requests; if personnel changes occurred, the credentials of replacement staff were equal to or exceeded the qualifications of the original staff approved, and Department approval was received. 4
- 5. FOR PROJECTS INVOLVING PERMITS: Sufficiently identified, analyzed and verified that all permit conditions were addressed. Thoroughly documented and proactively worked to resolve permitting issues in a timely manner.
- 6. FOR PROJECTS INVOLVING UTILITIES: Sufficiently verified that utilities were coordinated properly and shown in the plans/schedules including providing a summary of changes at subsequent phase submittals. ADDITIONALLY, FOR PROJECTS INVOLVING CONSULTANT UTILITY COORDINATION: succeeded in getting the utility agencies to accept the schedule, and consistently tracked and communicated with the utility companies so they comply with the schedules. Took appropriate action when schedules were not met.

FDOT Evaluator Section Comments:

C. Communication, Documentation and Coordination (weight = 25%)	Average Score	4.0
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Rating Scale: 1 - 5

- | | |
|--|---|
| 1. Provided the necessary project information to the Department and all project stakeholders in a timely manner. | 4 |
| 2. Scheduled, conducted and documented meetings in a timely manner. | 4 |
| 3. Immediately notified the Department of issues impacting schedule and costs; acted proactively by working with various stakeholders to minimize impacts; and resolved issues in a timely manner. | 4 |
| 4. Prepared thoroughly organized and completed project documentation including a clear filing system, and clear documentation of oral communications. | 4 |
| 5. Effectively tracked and monitored comment resolution and other action items to ensure timely resolution. | 4 |
| 6. Properly and efficiently logged, documented, tracked and took appropriate action on all public initiated inquiries from first contact through disposition or resolution. Coordinated effectively with the District Public Information Office, providing relevant data as requested for newsletters, media releases, public meetings, etc. | 4 |

FDOT Evaluator Section Comments:

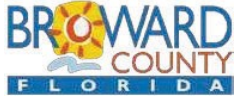
D. Execution of Work (Schedule, budget, quality control, scope of work) (weight = 30%)	Average Score	4.0
--	---------------	-----

Rating Scale: 1 - 5

- | | |
|---|---|
| 1. Ensured project schedule submittals was submitted and reviewed in accordance with the Contract. | 4 |
| 2. Reviewed the schedule monthly or as appropriate with the Department. Took appropriate action to reallocate resources if the work items fell behind schedule in accordance with the critical path to minimize impact to the overall schedule. | 4 |
| 3. Effectively managed the budget and if applicable, was reasonable regarding claims for and negotiations of supplemental agreements. | 4 |
| 4. Developed a logical quality control plan, and adhered to the plan throughout the project. | 4 |
| 5. Successfully met the scope and objectives of the project. | 4 |

FDOT Evaluator Section Comments:

Interim or Final Evaluation? Final



Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: **R.J. Behar & Company, Inc.**

Organization/Firm Name providing reference:

Florida Department of Transportation, District 6

Please refer to attached evaluation.

Contact Name: **Danny Iglesias, PE**

Title: **Project Manager**

Reference date:

Contact Email: **Please refer to FDOT Evaluation Sheet**

Contact Phone: **N/A**

Name of Referenced Project: **SR-5/US-1/Biscayne Boulevard Resurfacing from NE 199th Street to NE 213th Street**

Contract No.

Date Services Provided:

Project Amount:

FM# 414624-3-32-01

6/20/2013

UP 9/30/2017

\$3,520,907

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

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

Description of services provided by Vendor:

RJ Behar performed the design of milling and resurfacing, pavement widening, median reconstruction, upgrading pedestrian facilities to comply with ADA requirements, signing and pavement marking, bike lane designations, and signalization.

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 type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Vendor's Organization:				
a. Staff expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Turnover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Timeliness of:				
a. Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Project completed within budget	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Cooperation with:				
a. Your Firm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Subcontractor(s)/Subconsultant(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Regulatory Agency(ies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments: (provide on additional sheet if needed)

Please refer to attached FDOT evaluation of 4.7.

THIS SECTION FOR COUNTY USE ONLY

Verified via: EMAIL

VERBAL

Verified by:

Division:

Date:

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SR 5/US 1/BISCAYNE BOULEVARD RESURFACING
FROM NE 199TH STREET TO NE 213TH STREET
FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT 6

CLIENT:

Florida Department of
Transportation, District 6

Danny Iglesias, PE (Retired)
Project Manager
1000 N.W. 111th Avenue
Miami, Florida 33172

RJ BEHAR'S ROLE:

Milling and Resurfacing, Pavement
Widening, Median Reconstruction,
Upgrading Pedestrian Facilities to
Comply with ADA Requirements,
Signing and Pavement Markings,
Bike Lane Designations, and Sig-
nalization

PROJECT STARTED: 6/20/2013
PROJECT COMPLETED: 9/30/2017
COST/FEES PAID: \$228,638
CONST. COST: \$3,520,907.11
FM#: 414624-3-32-01
PROJECT LENGTH: 1.2 miles

RJ BEHAR'S KEY PERSONNEL:

Robert J. Behar, PE
Principal in Charge
Javier Rodriguez, PE
Project Manager
Yulet Miguel, PE
Project Engineer
Andrea Virgin, PE, LEED AP
Project Engineer
Jerry Piccolo, PE
Sr. Structural Engineer
Nanette Akyaz
Roadway Designer
Marlin Scattolini
Project Designer
Hernando Segura
CAD Designer
Mariana Urdaneta
Technician

The portion of SR-5/US-1/Biscayne Boulevard under this Resurfacing, Restoration, and Rehabilitation (RRR) project is a north-south urban principal artery located in the City of Aventura within Miami-Dade County, Florida. The limits of the project extend from north of NE 196th Street to NE 213th Street for a length of 1.2 miles.

There are five urban typical sections within the project, however, two of them account for the majority of the project. The first typical section from NE 196th Street to NE 207th Street is a seven-lane divided roadway with three lanes southbound and four lanes northbound, bike lanes, curbs, gutters, and intermittent shoulders and sidewalks on both sides of the road. The second typical section from NE 207th Street to NE 209th Street is a six-lane divided roadway with three lanes in each direction, bike lanes, curbs, gutters, and sidewalks on both sides of the road. The design and posted speed in these sections is 45 miles per hour.

The scope of work included milling and resurfacing, pavement widening, median reconstruction, upgrading pedestrian facilities to comply with the American Disabilities Act (ADA) requirements, signing and pavement markings, bike lane designations and providing signalization and operational improvements at the intersections of Biscayne Boulevard and NE 199th Street, Biscayne Boulevard and NE 203rd Street, Biscayne Boulevard and NE 205th Street, Biscayne Boulevard and NE 209th Street, and Biscayne Blvd and NE 213rd Street.



Note: Below are the contact email addresses to send the report to. Print the report to Adobe .pdf format and then cut and paste the contact addresses into the "Send To:" line in the Outlook E-Mail.

RD649DI;
BBEHAR@RJBEHAR.COM;

Florida Department of Transportation
 Consultant Evaluation Tests/Responses by Contract
 for Contract C9502
 Most Recently Assigned Evaluations

Contract: C9502		Financial Mgt. Number: 42919013201		Description: SR-5/BISCAYNE BLVD RESURFACING		DOT Proj. Mgr: IGLESIAS, DANNY			
Consultant: R. J. BEHAR AND COMPANY, INC. Address: 6861 SW 196TH AVENUE SUITE 302 PEMBROKE PINES, FL 33332									
Summary of Contract Evaluations									
Type of Work	Quality	Schedule	Management	Average	Date Graded	Grade Type	Entered By	Reviewed By	PSU Review
3.1	4.6	4.8	4.6	4.7	30APR2014	INTERIM	IGLESIAS, DANNY	ALVAREZ, TERESITA	PLATT, ROSE
Quality Grades for Contract: C9502									
Grading Type: INTERIM		Work Type: 3.1		Firm: R. J. BEHAR AND COMPANY, INC.		Date Graded: 30APR2014			
Evaluation Criteria							Score		
1. Compliance with Project Scope.							<u>4</u>		
2. Typical Section Package.							<u>5</u>		
3. Phase Submittals.							<u>4</u>		

4. Variations and Exceptions.	<u>4</u>
5 Geometrics/Engineering Reports.	<u>5</u>
6. Pavement Design Package.	<u>4</u>
7. Roadway Drainage Design(Exercised good judgement and designed according to criteria in the Drainage Manual, PPM, Design Standards, Drainage Handbooks, District Drainage Guidelines).	<u>5</u>
8. Stormwater Management Facility Design & WMD Permitting.	<u>4</u>
9. Environmental Permitting Services(Corps of Engineers, USCG, Local Permits, etc.).	<u>5</u>
10. Bridge Hydraulics Report, including Scour Calculations and Deck Drainage.	<u>4</u>
11. Earthwork and Soils.	<u>5</u>
12. Utility Coordination/Adjustments(Timely Phase Submittal and Review).	<u>5</u>
13. Utility Agreements and Work Schedules.	<u>5</u>
14. Traffic Control Plans/Maintenance of Traffic.	<u>5</u>
15. Miscellaneous Structures Plans.	<u>5</u>
16. Right of Way Requirements and Coordination.	<u>5</u>
17. Local Agency Coordination and Public Meetings.	<u>4</u>
18. Pay Items and Quantities.	<u>5</u>
19. Overall Content, Format and Assembly of Roadway Plans.	<u>4</u>
20. Maintain and Update Construction Cost Estimates.	<u>5</u>
21. Specifications.	<u>5</u>
22. Electronic Delivery.	<u>5</u>
Quality Grade = 4.6	

Schedule and Management Grades for Contract: C9502

Graded Firm: R. J. BEHAR AND COMPANY, INC.

Schedule Grade Section

Performance Rating Scale

1 - Unacceptable Performance	2 - Below Satisfactory Performance	3 - Satisfactory Performance	4 - Above Satisfactory Performance	5 - Outstanding Performance
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Note: An overall score of 3 is considered satisfactory

The maximum score attainable is 5

Scoring Criteria	Score
1. Project Phase Submittals(40%)	<u>5</u>
2. Project Milestones(20%)	<u>5</u>
3. Status Reports/Schedule Updates(20%)	<u>4</u>
4. Other Project Deliverables(20%)	<u>5</u>

Overall Schedule Evaluation: 4.8

Comments:

Management Grade Section

Performance Rating Scale

1 - Unacceptable Performance	2 - Below Satisfactory Performance	3 - Satisfactory Performance	4 - Above Satisfactory Performance	5 - Outstanding Performance
-------------------------------------	---	-------------------------------------	---	------------------------------------

Note: An overall score of 3 is considered satisfactory

The maximum score attainable is 5

A. Administration of Contract

1. Effectively and proactively controlled the Contract.	<u>5</u>
2. Administered the Contract in an organized manner and was proficient in applying administrative, procedural and technical skills to Contract.	<u>5</u>
3. Effectively coordinated with Department personnel to ensure effective Contract management, with required submittals made timely, in the subscribed format, with no material errors.	<u>4</u>
4. Submitted properly documented invoices; sub-consultants paid promptly; contract funds were tracked and reported as requested to avoid rush amendments, out-of-fund conditions or supplemental agreements.	<u>5</u>
5. Complied with established DBE/MBE commitment.	<u>5</u>
6. FOR TASK DRIVEN CONTRACTS ONLY: Responded to the Department in a timely manner regarding tasks requests. For accepted tasks,	

promptly developed an understanding of the assignment, prepared and submitted an accurate time/fee package, and efficiently initiated the assignment.

4

Comments:

B. Management of Issues and Resources

1. Effectively resolved issues; made decisions based on solid logic and sufficient supporting detail.

5

2. Properly supervised staff and coordinated the effort of sub-consultants.

4

3. Effectively minimized the unnecessary involvement of Department staff.

5

4. Effectively managed resources. Continuously provided experienced staff as proposed; was responsive to Department staffing requests; if personnel changes occurred, the credentials of replacement staff were equal to or exceeded the qualifications of original staff approved, & Department approval was received.

5

5. FOR PROJECTS INVOLVING PERMITS: Sufficiently identified, analyzed & verified that all permit conditions were addressed.

Thoroughly documented & proactively worked to resolve permitting issues in a timely manner.

4

6. FOR PROJECTS INVOLVING UTILITIES: Sufficiently verified that utilities were coordinated properly & shown in the plan/schedules including providing a summary of changes at subsequent phase UTILITY COORDINATION: succeeded in getting the utility agencies to accept the schedule, and consistently tracked & communicated with the utility companies so they comply with the schedules.

Took appropriate action when schedules were not met.

5

Comments:

C. Communication, Documentation, & Coordination

1. Provided the necessary project information to the Department

- and all project stakeholders in a timely manner. 5
- 2. Scheduled, conducted, & documented meetings in a timely manner 4
- 3. Immediately notified the Department of Issues impacting schedule & costs; acted proactively by working with various stakeholders to minimize impacts and resolved issues in a timely manner. 5
- 4. Prepared thoroughly organized & completed project documentation including a clear filing system and clear documentation of oral communications. 4
- 5. Effectively tracked & monitored comment resolution & other action items to ensure timely resolution. 4
- 6. Properly & efficiently logged, documented, tracked, and took appropriate action on all public initiated inquiries from first contact through disposition or resolution. Coordinated effectively with the District Public Information Office, providing relevant data as requested for newsletters, media releases, public meetings, etc. 5

Comments:

D. Execution of Work(Schedule, budget, quality, scope of work)

- 1. Ensured project schedule submittals were submitted & reviewed in accordance with the contract. 5
- 2. Reviewed the schedule monthly or as appropriate with the Department. Took appropriate action to reallocate resources if the work items fell behind schedule in accordance with the critical plan to minimize impact to the overall schedule. 4
- 3. Effectively managed the budget & if applicable, was reasonable regarding claims for & negotiations of supplemental agreements. 5
- 4. Developed a logical quality control plan, & adhered to the plan throughout the project. 5
- 5. Successfully met the scope and objectives of the project. 4

Comments:

Administration 0.9 + Management of Issues 1.2 + Documentation . + Schedule 4.6
1.4 = Overall Management Grade:

[Print Detailed Grades Listing](#)

[Back to Selection Screen](#)

[Reports Menu](#)

This request took 17.95 seconds of real time (v9.3 build 1496).



Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: R.J. Behar & Company, Inc.

Organization/Firm Name providing reference:
Palm Beach County Department of Engineering & Public Works, Division of Roadway Production

Contact Name: David L. Young, PE Title: Project Manager Reference date: 6-29-20

Contact Email: dlyoung@pbcgov.org Contact Phone: (561) 684-4150

Name of Referenced Project: Hatton Highway Bridge Replacement Over the Pahokee Water Control District's Canal No. 2

Contract No. 2012515 Date Services Provided: 8/21/2012 to 01/20/2015 Project Amount: \$4,000,000.00 (Est.)

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

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

Description of services provided by Vendor:
Roadway Improvements, Bridge Design, Drainage Design, Permitting

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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Accuracy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
3. Timeliness of:				
a. Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Project completed within budget	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Cooperation with:				
a. Your Firm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Subcontractor(s)/Subconsultant(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Regulatory Agency(ies)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments: (provide on additional sheet if needed)

THIS SECTION FOR COUNTY USE ONLY

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

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HATTON HIGHWAY BRIDGE REPLACEMENT OVER THE PAHOKEE WATER CONTROL DISTRICT'S CANAL NO. 2 PALM BEACH COUNTY, FLORIDA

CLIENT:

*Palm Beach County Department of
Engineering & Public Works,
Division of Roadway Production
Mr. David L. Young, PE
2300 North Jog Road
West Palm Beach, Florida 33411
Tel: (561) 684-4150
Fax: (561) 684-4166
E-mail: dlyoung@pbcgov.org*

RJ BEHAR'S ROLE:

*Roadway Improvements, Bridge
Design, Drainage Design, Permitting*

PROJECT STARTED: 8/21/2012

CONSTRUCTION COMPLETE:
01/20/2015

COST/FEES PAID: \$276,527.55

CONSTR. COST: \$4,000,000.00

(Est.)

EVALUATION GRADE: 97

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Sean O'Keefe, PE
Project Manager*

*Juan H. Vazquez, PE, PH, BCEE
Drainage Engineer*

*Jerry Piccolo, PE
Structural Engineer*

*Jasmani Riveron, PE
Roadway Engineer*



Palm Beach County's (County) Road & Bridge Division decided to replace the existing bridge over the Pahokee Water Control District's Canal No. 2.

The County requested replacement of the existing 4-span bridge, which was approximately 60' long, Bridge PB # 934512. The bridge replacement design located the new structure with a sufficiently clear distance from the existing FPL 138 Kv. overhead transmission line along the east side of Hatton Highway. Hatton Highway was reconstructed to accommodate the selected bridge replacement. A preliminary alternative analysis was conducted to determine the appropriate roadway section, construction requirements, and limits of work.

The bridge design was based on providing a similar 3-span arrangement over the canal, 60' clearance. The bridge cross section included two 12' lanes with 8' shoulders, concrete barriers, and no provisions for sidewalks. Wing walls and slope protection were designed to accommodate the new bridge highway alignment and typical section. The bridge design elements were developed in accordance with the County's Thoroughfare Road and Bridge Design Procedures.

R.J. Behar & Company, Inc. (RJ Behar) was responsible for all permit coordination on the project.

Successful completion of the plans and specifications was achieved with a final score of 97 out of 100.



R.J. Behar & Company, Inc.
Engineers • Planners



Vendor Reference Verification Form

Broward County Solicitation No. and Title:

PNC2120376P1 Pine Island Road from Griffin Road to Nova Drive

Reference for: **R.J. Behar & Company, Inc**

Organization/Firm Name providing reference:

Oleta Partners, LLC

Contact Name: **Darryl Lee, PE**

Title: **Project Manager**

Reference date: **6/16/2020**

Contact Email: **dlee@turnberry.com**

Contact Phone: **(786) 629-3134**

Name of Referenced Project: **Sole Mia Way Signal Plans**

Contract No. **Not applicable**

Date Services Provided: **12/2018**
to **5/2019**

Project Amount: **\$400,000**

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

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

Description of services provided by Vendor: Traffic Signal Design and Operations

R.J. Behar & Company, Inc. (RJ Behar) was responsible for the preparation of construction drawings for a new traffic signal, which included signal plans, signing and pavement marking plans, utility coordination and verification, mast arm foundation design and procuring all necessary permits from the Miami Dade County Traffic Division.

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)

THIS SECTION FOR COUNTY USE ONLY

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

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CLIENT:

Oleta Partners, LLC

*Mr. Darryl Lee, PE
15055 Biscayne Boulevard
North Miami, Florida 33181
Tel: (786) 629-3134
Email: dlee@turnberry.com*

RJ BEHAR'S ROLE:

Roadway design, Temporary Traffic Control Plan (TCP) design, pavement marking and signing, signalization, permitting, utility coordination.

PROJECT STARTED: 12/11/2018

PROJECT COMPLETED: 5/21/19

COST/FEES PAID: \$27,000.00

CONSTR. COST: \$ 400,000

CHANGE ORDERS: N/A

TIME EXTENSIONS: N/A

PROJECT LENGTH: Intersection

RJ BEHAR'S KEY PERSONNEL:

*Robert J. Behar, PE
Principal in Charge*

*Carlos Mazorra, PE
Project Engineer*

*Nanette Akyaz-Gomez
Design Technician*

The scope of the project consists of final design for the reconstruction of a segment of NE 151st Street from west of US 1/SR 5 to Bay Vista Boulevard (1 mile) within the City of North Miami, Florida. NE 151st Street is primarily an east-west urban arterial, Miami-Dade County owned roadway, with a design speed of 40 mph. The proposed improvements will provide a much needed east-west roadway east of US 1.

R.J. Behar & Company, Inc. (RJ Behar) is responsible for the roadway design, drainage design, signing and pavement markings, signalization, lighting, wetland assessment, contamination assessment and overall utility coordination. NE 151st Street is an off-system roadway bound by the Florida Greenbook, for its design criteria.

As part of the project, the design for the Sole Mia Way Signal project was completed. The scope of the project consisted of final design for a traffic signal at the intersection of Sole Mia Way at NE 151 Street. The project included utility coordination, Subsurface Utility Engineering (SUE), signal plans, pavement marking and signing plans, calculation of quantities, reviewing shop drawings and obtaining permit approval from the Miami-Dade County Traffic Department.



Sole Mia



Tab 4) Workload of the Firm

Tab 4. Workload of Firm

Below is a table of RJ Behar's workload for the past five years. RJ Behar has a proven management record enabling us to address challenges in a proactive manner. RJ Behar's philosophy on managing challenges is best explained in following paragraphs. Specifically, we hold weekly meetings with our project managers, where we discuss every single project in detail in order to properly manage current and additional workloads. The following items are discussed in these meetings:

- Project schedules/milestones for each project.
- Staffing needs for each project.
- Remaining project budgets.
- Project performance for each project.

RJ Behar has a proven record for successfully managing multiple contracts. We accomplish this by utilizing a combination of our management and technical expertise combined with quality and responsive subconsultants; whom together will provide an excellent team. Our management plan integrates three key components that are required for a successful project, which are: 1) schedule management, 2) staff and resource management and 3) quality control. RJ Behar's project management approach is best described as RESPONSIVE and is described as *Close Coordination*: The top priority on all projects is to ensure that our team maintains close and continuous coordination with Broward County's Project Manager (PM) and all of our subconsultants.

The foundation of our project management approach is built on team management. Our proactive approach requires that the RJ Behar Team identify project issues early in the process and recommend solutions to Broward County's PM. Our assigned PM will report to the Broward County PM regularly via monthly progress reports and through frequent use of emails, as issues are brought forth to ensure that progress is being made and to ensure quality control. Mr. Robert Behar, PE, project manager, will review the scope of services and determine the necessary course of action to follow, including a thorough field review and examination of appropriate design criteria conforming to the scheduling and budgetary constraints. Our designers are well-versed in the latest "Complete Streets" context sensitive design and transit design policies. This will be followed by the County's Plans Production process.

Please refer to the table below for our projects over the past five years.

WORKLOAD OF RJ BEHAR FOR THE PAST 5 YEARS

FUTURE ANTICIPATED PROJECTS		
PROJECT	YEAR	CLIENT
CR 880 Bridge Replacement Plans Review	2020	Palm Beach County
Construction Inspection for Various Projects E19-DTPW-09	2020	Miami-Dade County Public Works
PROJECT LIST DURING LAST FIVE (5) YEARS		
*Projects in Bold Are Active - All Others are Completed		
PROJECT	YEAR	CLIENT
SR 845/Powerline Rd at NW 59 Court Intersection Post Design TWO #17	2020	FDOT District IV
Port St. Lucie Blvd. from Becker Rd to Paar Drive	2020	FDOT, District IV
Add Pedestrian Push Buttons on SR A1A at Phil Foster Park Entrance and Lake Drive TWO #15	2020	FDOT District IV
Emergency Cone Roundabout Layout for SR 704 (Okeechobee Boulevard)	2020	FDOT District IV
Miami Gardens Stormwater Master Plan Update	2020	City of Miami Gardens
Detectable Warning Sign Installation - SR 704/Royal Palm Beach Way TWO #13	2020	FDOT District IV
Replace Great System and Hexfoam Crash Cushions Turnpikewide Post Design TWO #6	2020	FDOT FTE
Infrastructure Sales Tax - Bridge Estimates	2020	Palm Beach County (Baxter Woodman)
NW 97 Avenue from NW 90th Street to NW 106th Street Preliminary Justification Report	2020	Town of Medley
NE 38th Street ADA Legal Descriptions	2020	City of Oakland Park
Riverview Pump Station New Generator, Fire Suppressant and Main Switch Disconnect Post Design	2020	City of Miami
US 1 and SR A1A ATMS Deployment	2020	FDOT District IV (Eland)
Eliathah SDA Church Traffic Study	2020	Tally Engineering
Pompano Beach Mobility Sidewalks Post Design TWO #16	2020	FDOT District IV
Raised Intersection at SW 32 Avenue and SW 2 Street	2020	City of Miami
Right-of-Way Section Support on FPL Hardening Projects	2020	SFWMD (Ardurra)
W. 28th Avenue CEI Services	2020	City of Hialeah
Broward Blvd from NW/SW 7th Ave to SR 5/US 1 Biddability	2020	FDOT District IV
S40, S41 and S44 Gate Replacements Engineering During Const.	2020	SFWMD
L 31 Seepage Barrier Geotechnical Exploration	2020	SFWMD
Palm Avenue at SW 7th Street Signal Design	2020	City of Pembroke Pines

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



Pedestrian Crosswalks with RRFBS on SR A1A TWO #10	2020	FDOT District IV
Evaluate the Placement of Various Locations Near Fences on West Side of I-95 TWO #11	2020	FDOT District IV
Fiber Optic Communications Cable, Various Locations Post Design	2020	FDOT District IV
Warning Signs & Flashing Beacons at US 27/Griffin Rd/Pines Blvd	2020	FDOT District IV
10th Avenue North of I-95 Improvements Constructability TWO #90	2019	FDOT District IV
Ramp D2 over SR 9 (I-95) and Okeechobee Blvd. (SR 804) Biddability	2019	FDOT District IV
SR 84 Bridge Painting Bridges No. 86008 Biddability TWO #92	2019	FDOT District IV
Atlantic Shores Blvd Design Services	2019	City of Hallandale Beach (Marlin)
Martin Downs Blvd over S. Fork St. Lucie River Fender Systems Bridge Nos. 890038 & 890143 Biddability TWO # 93	2019	FDOT District IV
Lehigh Lakes Shoreline CEI Services	2019	Town of Medley
Tobie Wilson Park CEI Services	2019	Town of Medley
Planning and Conceptual Study for NW 106 Street	2019	Town of Medley
Materials Storage Bays for Village of Palm Springs Utility Plant	2019	Village of Palm Springs
NW 60 Avenue Bicycle/Pedestrian Improvements	2019	Town of Miami Lakes
FY 19-20 SR 836/I-95 Interchange Improvements	2019	MDX (EAC)
SR 9 from S. of Diane Dr to N. of Diane Dr. Biddability TWO #94	2019	FDOT District IV
SR 76 from N. of Cabana Point Circle to SR 5	2019	FDOT District IV (Stanley)
SR 804/Boynton Beach Blvd from Lyons Rd to E. of Florida Turnpike Biddability TWO #95	2019	FDOT District IV
SR 845/Powerline Rd at NW 59 Court Intersection - Additional Services	2019	FDOT District IV
Mast Am Replacement Weston Rd & Emerald Estates Dr	2019	City of Weston (Calvin Giordano)
Flavor Pict Road from S.R. 7 to Lyons Road	2019	Palm Beach County
US 1 from S. of Eve St to S. of Harborside Dr Biddability TWO #96	2019	FDOT District IV
Prosperity Farms Road Bridge over Canal C-17 Canal	2019	Palm Beach County
FY 18-19 SR 836/I-95 Interchange Improvements	2019	MDX (EAC)
Charles Ave from SW 37 Ave to Main Highway - Additional Services	2019	City of Miami
City Center and Traffic Signal Warrant Analysis	2019	City of Pembroke Pines
EOC Traffic Study HDR TWO #1	2019	Broward County HCDE (HDR)
Hurricane Irma Lighting Repair at I-75 Snake Road Biddability TWO #88	2019	FDOT District IV
G-370 and G372 Refurbishment Project Inspection	2019	SFWMD
NE 3rd Avenue at FEC Crossing Traffic Study	2019	Broward County HCDE (HDR)
SRTS Miami Lakes Elementary School Project	2019	Town of Miami Lakes
Gulfstream Elementary Complete Streets Project	2019	Town of Cutler Bay
Harbor Island Seawall	2019	Palm Beach County
Municipal Separate Storm Sewer (MS4) Engineering Support	2019	City of Hialeah
Colbert Elementary School SRTS - Resident Compliance Specialist	2019	City of Hollywood
Phase I Environmental for 711 Foster Road	2019	City of Hallandale Beach
Hamlin Blvd from 190 Street to 180 Avenue North Biddability TWO #89	2019	FDOT District IV
C-20- and C-21 Dredging Project- CMS	2019	SFWMD

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



B134 Paint Mix Building Post Design Services	2019	SFWMD (ADA)
Congress Avenue Bridge Replacement over L-12 Canal	2019	Palm Beach County
Cypress Weir (GOLD4A) Relocation Design	2019	SFWMD
PD&E SR-9/I-95 at 10th Ave North	2019	FDOT District IV //(American)
Stormwater Improvements Area West of Hiatus Road (Little Country Estates & Grove Estates)	2019	Town of Davie
US 441 from N. of Filmore to S. of Stirling Rd TWO #84	2019	FDOT District IV
White Rock Quarries Concept Plan	2019	Town of Medley
Hyder South Bridge over L-38 Canal	2019	Palm Beach County
SR A1A from Ocean Avenue to Hallandale Beach Blvd Biddability TWO #85	2019	FDOT District IV
Seminole Drive over LWDD L-16 Canal Biddability TWO #86	2019	FDOT District IV
SW 136 Street from US-1 to Old Cutler Rd	2019	Village of Palmetto Bay
Miramar Park and Ride Lot Biddability TWO #87	2019	FDOT District IV
Safe Routes to School - Various Locations	2019	Miami Dade County
SW 32 Avenue from Flagler Street to SW 2 Street - Additional Services	2019	City of Miami
FTE Bridge Painting Projects (2 sites)	2018	Florida Turnpike
Replace GREAT System and HEXFOAM Crash Cushion Systemwide	2018	Florida Turnpike
S-197 Gate Automation CMS	2018	SFWMD
Sole Mia Way Signal Design	2018	Oleta Partners, LLC.
Cutler Bay Connectivity Sidewalk Construction Inspection Services	2018	Town of Cutler Bay
Palmetto Bay Village Center Traffic Study	2018	Village of Palmetto Bay
Manta Drive CEI Services	2018	Town of Cutler Bay
City of Miami Gardens Landscape	2018	City of Miami Gardens
Milling and Resurfacing Exhibits FY 17 WO #14	2018	City of Doral
SR A1A North Bridge over ICWW Constructability TWO #61	2018	FDOT District IV
Traffic Engineering Study on SR 5 at NE 140 St TWO #67	2018	FDOT District VI
EDP-PE-S- Construction Inspection Services DRER (CIS)	2018	Miami Dade County DRER
Reclaimed Waterline Extension Construction Assistance	2018	City of Coconut Creek
Bridge Painting, Bridges No. 860337 and 860338 Constructability	2018	FDOT District IV
SFWMD Structure Inspections (SIP)	2018	SFWMD (UESI)
43 YR CDBG Improvements Design Services	2018	City of Hallandale Beach
Charles Avenue from SW 37 Ave to Main Highway	2018	City of Miami
NW 21 Ct from NW 36 St to NW 38 St	2018	City of Miami
SW 27 Ave/NW 27 Ave Posted Speed Limit Study TWO #68	2018	FDOT District VI
US1 - Miami Dade County Speed Limit Study TWO #69	2018	FDOT District VI
Phase 1 ESA - 3301 NW 107th Ave., Doral	2018	De La Cruz & Cutler, LLP
Bird Road Speed Limit Study TWO #70	2018	FDOT District VI
SE 2nd St. from SE 11th Ave to US 1 Constructability TWO #63	2018	FDOT District IV
Kendall Drive Speed Limit Study TWO #71	2018	FDOT District VI

SW 8 Street Speed Limit Study TWO #72	2018	FDOT District VI
SR 870/Commercial Blvd at NE 6th Ave TWO #1	2018	FDOT District IV
Pedestrian Lighting Design	2018	City of Coconut Creek
Lake Osborne Drive over Lake Bass Canal	2018	Palm Beach County
SR 973/Galloway Rd Speed Limit Sign Study TWO #73	2018	FDOT District VI
SR 953/Lejeune Rd Speed Limit Sign Study TWO #74	2018	FDOT District VI
SR 932/NW 103rd Street Speed Limit Sign Study TWO #75	2018	FDOT District VI
SR 860/Miami Gardens Rd Speed Limit Sign Study TWO #76	2018	FDOT District VI
I-595 Mobility Hub Park and Ride Lot Modifications Post Design Services TWO #10	2018	FDOT District IV
Tressler Street Drainage Improvements Construction Management	2018	City of North Miami
SR 836 Toll System Conversion - Design Project Management	2018	MDX (EAC)
Westward Drive Pedestrian Crossing Study	2018	City of Miami Springs
NW 136 Avenue at SR 84 Constructability TWO #64	2018	FDOT District IV
Pump Stations D-10 and D-11 Construction Inspection	2018	City of Ft. Lauderdale
I-95/SR 9 at Gateway Blvd Biddability TWO #65	2018	FDOT District IV
SR 5/N. Quadrille Blvd at Banyan Blvd/1 Street TWO #2	2018	FDOT District IV
SR 959/SW 57 Avenue at SW 34 Street Intersection QA TWO #77	2018	FDOT District VI
SR 90/SW 7 Street at SW 7 Avenue Intersection QA TWO #78	2018	FDOT District VI
LS-1801 Lakeside Community/Lakeshore Drive Repairs (Hurricane Irma)	2018	Town of Medley
Maintenance of Traffic Review Services SR 112	2018	MDX (EAC)
SW 22 Terrace Improvements B50407A CEI Services	2018	City of Miami
Overhead Flashing School Zone Signs CEI Services	2018	Palm Beach County
South Royal Poinciana Boulevard Methodology Report	2018	City of Miami Springs
SR 7 from Atlantic Ave to Boynton Beach Blvd Constructability	2018	FDOT District IV
C-4 Canal Bank Improvements Palmetto Phase 2	2018	SFWMD
Advanced Wireless Infrastructure Deployment Act. Letter and Structural Analysis	2018	City of Weston (Calvin Giordano)
Retrofit Lighting for 3 Intersection in Palm Beach County PDS TWO #11	2018	FDOT District IV
Retrofit Lighting for 11 Intersection in Palm Beach County PDS TWO #12	2018	FDOT District IV
South Royal Poinciana Boulevard Traffic Study	2018	City of Miami Springs
NW 142 Street Traffic Methodology Report	2018	City of Hialeah
US 27 at I-75 Interchange Biddability TWO #67	2018	FDOT District IV
SR A1A from East of Lyons Bridge to SR 732/Jensen Beach Blvd Biddability TWO #68	2018	FDOT District IV
SW 148 Drive and SW 82 Avenue Intersection	2018	Village of Palmetto Bay

SW 68 Avenue to SW 64 Avenue CEI Services	2018	City of Miramar
Blue Heron Blvd Bridge over ICWW Fender System Replacement Biddability TWO #69	2018	FDOT District IV
Blue Lagoon Traffic Study	2018	Alayon & Associates
Restoration of SR A1A Biddability TWO #70	2018	FDOT District IV
Saga Bay 1.2 Sub-Basin Construction Inspection	2018	Town of Cutler Bay
SR 804/W. Boynton Beach Blvd Constructability TWO #71	2018	FDOT District IV
Cobblestone Community Traffic Study	2018	IBI Group
Peer Review of Structural Designs	2018	Palm Beach County (Gerwig)
NW 136 Avenue at SR 84 Intersection Biddability TWO #72	2018	FDOT District IV
SR 874 Toll System MOT Plans Review	2018	MDX (EAC)
SR 858/Hallandale Beach Blvd @ I-95 Biddability TWO #73	2018	FDOT District IV
SR 878 Toll System MOT Plans Review	2018	MDX (EAC)
SR 924 Toll System MOT Plans Review	2018	MDX (EAC)
SR 836 Toll System MOT Plans Review	2018	MDX (EAC)
SW 22 Terrace Improvements B50407 CEI Services	2018	City of Miami
SFWMD Structure Inspections (SIP) NO.2	2018	SFWMD (UESI)
Landscape Median Project - CEI services	2018	City of Tamarac
SR 817/University Drive Constructability TWO #76	2018	FDOT District IV
SW 22 Terrace Improvements B50407A CEI Additional Services	2018	City of Miami
US 1/Dixie Hwy. From Hypoluxo Rd to S. of Waterway Dr Biddability	2018	FDOT District IV
Florida Mango Road over PBC L-2 Canal Utility Relocation	2018	City of West Palm Beach
HHD-C12 Anchor Bolts at Actuator Position	2018	Thalle Construction Company
NE 38th Street ADA Verification	2018	City of Oakland Park
Seminole Drive over L-16 Canal Constructability TWO #79	2018	FDOT District IV
Royal Palm Beach Blvd from N. of Persimmon Blvd to N. of M Canal	2018	Palm Beach County
NW 102 Avenue from NW 142 Street to NW 145 Place	2018	City of Hialeah
Oakhill Culvert Replacement SW 142 and SW 17th St	2018	Town of Davie
Construction and Maintenance Services FY 19	2018	City of Hialeah
Loxahatchee River Road over the C-18 Canal	2017	Palm Beach County
Operations, Engineering and Operations Bureau Support	2017	SFWMD
Saga Bay 1.2 Sub-Basin	2017	Town of Cutler Bay
Soleste Bay Village Traffic Impact Study Review	2017	Village of Palmetto Bay
Medley Industrial Expert Witness	2017	Town of Medley
NE 135 Avenue/Memorial Highway Traffic Study TWO #52	2017	FDOT District VI
NW 27 Avenue/NW 203 Street Traffic Study TWO #51	2017	FDOT District VI
Traffic Impact Reviews FY 17-18 WO #11	2017	City of Doral

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



NE 163 Street/NE 15 Avenue Traffic Study TWO #53	2017	FDOT District VI
Construction Material Testing to the South Campus Stormwater	2017	Broward College
SR 5 from North of Salerno Road to north of SE Fisher Street	2017	FDOT District IV
Polk Parkway (SR 570) Resurfacing	2017	Florida Turnpike (KCG)
Railroad Crossing Quiet Zone Study Phase I. Feasibility of Quiet Zones (QZ), Tasks 1-8	2017	City of Miami Springs
Field Observations for SW 87 Ave from SW 128 St to SW 94 St	2017	FDOT District VI
Miami Gardens Dr/NW 2 Ave. Technical Memo TWO # 55	2017	FDOT District VI
Davie Road Phase 2 CEI	2017	Town of Davie
Lyons Road Bridge over the C-51 Canal - Structural Review	2017	Palm Beach County
I-595 Mobility Hub Park and Ride Lot Modifications	2017	FDOT District IV
State Road 959/SW 57 Avenue at SW 35 Street TWO #56	2017	FDOT District VI
SR 5 from north of SR 816 to south of SR 870TWO #38	2017	FDOT District IV
Florida Mango Rd over PBC L-2 Canal	2017	Palm Beach County
In-House Consultant Support Services TWO #57	2017	FDOT District VI
Old Dixie Highway Bridge over C-15 Canal	2017	Palm Beach County
Osceola Blvd from 38th Avenue to 21st Avenue TWO #39	2017	FDOT District IV
Booster Station Seawall No.1 Repair	2017	Town of Medley
Safe Routes to School CEI Services	2017	Town of Cutler Bay
I-75 from Indian Trace/SW 14 Street to I-75/Sawgrass TWO #40	2017	FDOT District IV
NE 163 Street/NE 15 Avenue Traffic Study TWO #58	2017	FDOT District VI
SW 25 Street Complete Streetscape Improvements	2017	City of West Park
Meekins Lake Fill Peer Review	2017	City of West Park
Odor Compliance Audits WO #12	2017	City of Doral
Boat Ramp in Broadview Estates	2017	City of North Lauderdale
Inverrary Estates Privacy Wall	2017	City of Lauderhill
Soleste Bay Village Traffic Impact Study Review No. 2	2017	Village of Palmetto Bay
I-95 from North of Sunrise Blvd to South of Cypress Creek Rd	2017	FDOT District IV
Southern Blvd from Pike Rd. to NB Turnpike Ramps TWO #42	2017	FDOT District IV
SW 27 th ST from SW 37 th Ave to SW 32 nd Ave CEI Services	2017	City of Miami
CEI Project Administrator/CEI Project Engineer B TWO #11	2017	FDOT District IV
Copans Road Wastewater Transmission System Design	2017	City of Coconut Creek
SR 706/Indiantown Rd Lighting TWO #1	2017	FDOT District IV
SR 5 from South of Salerno Rd to North of SE Fisher St TWO #43	2017	FDOT District IV
Hollywood Blvd/Pines Blvd & Flamingo Rd Constructability TWO #44	2017	FDOT District IV
North Campus Pavers and Shade Material Testing	2017	Broward College
S-135 By-Pass Culvert Abandonment and Dike Repairs	2017	SFWMD

ITS Shelters Homestead Construction CMS	2017	SFWMD
Phase 1 ESA 7400 NW 79 th Ave Future Palmetto Intermodal Terminal	2017	Miami-Dade Co DRER (Arcadis)
Generation Analysis for Proposed Community Facility	2017	IBI Group
SR 60/Osceola Blvd from 38th Ave to 21st Ave TWO #45	2017	FDOT District IV
Regency Club Mast Arm Design	2017	Progressive Design & Engineering
SR 9/I-95 at PGL Blvd Biddability Review TWO #46	2017	FDOT District IV
Overhead School Signal Flasher / Drilled Shaft Calculations	2017	Calvin Giordano & Associates
S-151 Structure Replacement and Automation	2017	SFWMD
Phase 1 ESA - School Board owned parcel at NW 12th St & 136th Ave	2017	Miami-Dade Co DRER (Arcadis)
Stormwater Inspection & Certification (Plantation)	2017	American Express (INGEMEL)
SR 5 - N. of Oakland park Blvd to Commercial Blvd Biddability Review TWO #47	2017	FDOT District IV
Lyons Park Neighborhood - Sanitary Sewer Pipe Bursting	2017	City of Pompano Beach
SW 34 Avenue and SW 28 Street Intersection Improvements	2017	City of Miami
NE 4th Ave from Sunrise Blvd to NE 26 St Constructability TWO #48	2017	FDOT District IV
SR 836 Operational Capacity & Interchange Improvements FY 17-18	2017	MDX (EAC)
NE 151 Street Improvements	2017	Oleta Partners LLC
Hilola Street Improvements	2017	City of Miami
Turnpike Widening from North of Johnson St to Griffin Rd	2017	FTE (American Consulting)
Retrofit Lighting for 3 Intersection in Palm Beach County (440079)	2017	FDOT District IV
Retrofit Lighting for 11 Intersection in Palm Beach County (440080)	2017	FDOT District IV
Fiber Optic Communication Cable for Various Locations TWO #5	2017	FDOT District IV
Traffic Engineering Study on SR 934 TWO #59	2017	FDOT District VI
SW 35 Avenue from SW 29 St to SW 28 Street	2017	City of Miami
NE 135 St / Memorial Hwy. Intersection Delay Study TWO #60	2017	FDOT District VI
I-95 at Gateway Blvd Interchange Constructability TWO #49	2017	FDOT District IV
Pompano Beach Mobility Sidewalks TWO #6	2017	FDOT District IV
Traffic Analysis for Proposed Sonic Restaurant	2017	IBI Group
SR 817/University Dr. from S. of McNab to N. of NW 78 St TWO # 50	2017	FDOT District IV
Hurricane Irma Emergency Services	2017	FDOT FTE (Target)
SR80/Southern Blvd from Pike Rd to Turnpike Ramps TWO #51	2017	FDOT District IV
I-595 Mobility Hub Park and Ride Lot Modifications TWO #7	2017	FDOT District IV
I-95 and SR 824 Pembroke Road Constructability TWO #52	2017	FDOT District IV
CEI Project Administrator/CEI Project Engineer A TWO #12	2017	FDOT District IV
Collier County - Hurricane Irma Disaster Recovery	2017	Collier County (CDR Maguire)
SR 700 Slope Failure Emergency TWO #8	2017	FDOT District IV

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



SW 152 nd Street and SW 98 th Avenue Traffic Study TWO #61	2017	FDOT District VI
Traffic Engineering Study on SR 923 TWO #62	2017	FDOT District VI
Lakeside Community Hurricane Damage Repair	2017	Town of Medley
Midway Rd (CR 712) Initial Engineering TWO #53	2017	FDOT District IV
B134 Paint Mix Building	2017	SFWMD (ADA)
I-95 from N. of Sunrise Blvd to Cypress Creek Biddability TWO #54	2017	FDOT District IV
I-75 from N. of Indian Trace/SW 14 Terr to I-75 Interchange Biddability TWO #55	2017	FDOT District IV
I-95 at 6th Avenue Final Design	2017	FDOT District IV
Nova Drive CEI	2017	Town of Davie
Loxahatchee River Road Repair	2017	Palm Beach County
Point Chosen Fender System Pile Driving	2017	Palm Beach County
Construction Inspection Services for Resurfacing Projects, 20160219	2017	Miami Dade County Public Works
NW 57 Avenue/NW 191 Street Signal Warrant TWO #63	2017	FDOT District VI
Collins Avenue at 69 Street Technical Memo TWO #64	2017	FDOT District VI
SW 137 Ave / Kendall Breeze West / Intersection QA TWO #65	2017	FDOT District VI
Riverview Pump Station New Generator, Fire Suppressant and Main Switch Disconnect	2017	City of Miami
S. Dixie Hwy / Broad Channel Rd - Intersection QA TWO #66	2017	FDOT District VI
Jackie Gleason Privacy Wall	2017	City of Lauderdale
SW 32 Avenue from Flagler Street to SW 2 Street	2017	City of Miami
SR 845/Powerline Rd at NW 59 Court Intersection TWO #9	2017	FDOT District IV
Stormwater Master Plan Implementation for NW 29 Street and NW 31 Street CEI Services WO #12	2017	City of Doral
NW 102 Avenue from NW 138 Street to NW 142 Street	2017	City of Hialeah
Nova Drive CADD Support	2017	Weekly Paving, Inc
Hollywood Blvd/Pines Blvd & Flamingo Rd Biddability TWO #56	2017	FDOT District IV
University Drive from S. of McNab Rd to N. of NW 78 St Biddability	2017	FDOT District IV
Construction and Maintenance Services FY 18	2017	City of Hialeah
SR A1A from east of Lyons Bridge to SR 732/Jensen Beach Blvd Constructability TWO #58	2017	FDOT District IV
Russian Colony and Seawall Expansion Programming Documents	2017	Town of Medley
Refinement of RSM Flood Planning Documentation	2017	SFWMD
Royal Palm Blvd & Windmill Ranch Rd Mast Arm Replacement	2017	City of Weston (Calvin Giordano)
Blue Heron Bridge over ICWW System Replacement Constructability	2017	FDOT District IV
NE 4th Avenue from Sunrise Blvd to NE 26 St Biddability TWO #60	2017	FDOT District IV
Okahumpka Service Plaza Ramp and signing and Marking Imp.	2017	FDOT FTE (Sub to Lochrane)
Traffic Circle at SW 32 Avenue and SW 2 Street	2017	City of Miami
Stormwater Assessment Program	2017	City of Hialeah

BROWARD COUNTY - SOLICITATION PNC2120376P1
CONSULTING SERVICES FOR PINE ISLAND ROAD FROM
GRIFFIN ROAD TO NOVA DRIVE



SFWMD Stream Gauging Assistance	2016	SFWMD
Dupois Equestrian Park Construction Management Services	2016	SFWMD, Sub to: ADA Engineering
FLL/Hollywood Airport Existing Condition Survey	2016	BCAD, Sub to: Ricondo
HWO Airport Existing Condition Survey	2016	BCAD, Sub to: Ricondo
Forensic Case Study	2016	RE Cabrera & Associates
Hillsboro Inlet Post Design Services	2016	FDOT, District 4
Old Dixie Highway Constructability Review TWO #18	2016	FDOT, District 4
I-95/ Donald Ross Road Post Design Services	2016	FDOT, District 4
I-95/SW 10 Street Post Design Services	2016	FDOT, District 4
W. 76 Street at W. 18 Lane Intersection	2016	City of Hialeah
Memorial Regional Hospital Signal Design	2016	Memorial Regional Hospital (MLA
W. 76 Street from Hialeah Gardens Blvd to W. 36 Ave	2016	City of Hialeah
SW 22 nd Terr from SW 27 th Ave to SW 32 nd Ave	2016	City of Miami
SW 22 nd Terr from SW 32 nd Ave to SW 37 th Ave	2016	City of Miami
SR 804 Bridge over ICWW TWO #21	2016	FDOT, District 4
SR 994 Traffic Operations Study TWO #34	2016	FDOT, District 6
SR 922 Traffic Operations Study TWO #35	2016	FDOT, District 6
Broward Blvd from Pine Island Rd to I-95 CEI	2016	FDOT, District 4
SR 7 from Bridgebrook Dr to W. Atlantic Ave TWO #22	2016	FDOT, District 4
Ground Penetrating Radar - Hilton Road Pump Station	2016	City of Coconut Creek
Cutler Bay Middle School Sidewalk Connectivity	2016	Town of Cutler Bay
Clint Moore Rd from of E. of Congress to LWDD E-4 Canal	2016	Palm Beach County
SW 20 Street and SW 57 Avenue Roundabout	2016	City of West Park
SW 25 Street from SR 7 to SW 40 Avenue Traffic Calming Study	2016	City of West Park
Design Services for SR 710/Beeline Highway	2015	FDOT, District 4, Sub to: HDR
Palmetto Park Rd. Bridge over LWDD E-4 Canal (El Rio Canal)	2015	Palm Beach County
S-40, S-41 and S-44 Gate Replacements and Concrete Repairs	2015	SFWMD

Tab 5) Location Attestation Form

RFP-RFQ-RLI LOCATION ATTESTATION FORM (EVALUATION CRITERIA)

The completed and signed form and supporting information (if applicable, for Joint Ventures) 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 timely submit this form and supporting information may affect the Vendor's evaluation. Provided information is subject to verification by the County.

A Vendor's principal place of business location (also known as the nerve center) within Broward County is considered in accordance with Evaluation Criteria. The County's definition of a principal place of business is:

1. As defined by the Broward County Local Preference Ordinance, "Principal place of business means the nerve center or center of overall direction, control and coordination of the activities of the bidder [Vendor]. If the bidder has only one (1) business location, such business location shall be considered its principal place of business."
2. A principal place of business refers to the place where a corporation's officers direct, control, and coordinate the corporation's day-to-day activities. It is the corporation's 'nerve center' and in practice it should normally be the place where the corporation maintains its headquarters; provided that the headquarters is the actual center of direction, control, and coordination, i.e., the 'nerve center', and not simply an office where the corporation holds its board meetings (for example, attended by directors and officers who have traveled there for the occasion).

The Vendor's principal place of business in Broward County shall be the Vendor's "Principal Address" as indicated with the Florida Department of State Division of Corporations, for at least six months prior to the solicitation's due date.

Check one of the following:

- The Vendor certifies that it has a principal place of business location (also known as the nerve center) within Broward County, as documented in Florida Department of State Division of Corporations (Sunbiz), and attests to the following statements:

1. Vendor's address listed in its submittal is its principal place of business as defined by Broward County;
2. Vendor's "Principal Address" listed with the Florida Department of State Division of Corporations is the same as the address listed in its submittal and the address was listed for at least six months prior to the solicitation's opening date. A copy of Florida Department of State Division of Corporations (Sunbiz) is attached as verification.
3. Vendor must be located at the listed "nerve center" address ("Principal Address") for at least six (6) months prior to the solicitation's opening date;
4. Vendor has not merged with another firm within the last six months that is not headquartered in Broward County and is not a wholly owned subsidiary or a holding company of another firm that is not headquartered in Broward County;
5. If awarded a contract, it is the intent of the Vendor to remain at the referenced address for the duration of the contract term, including any renewals, extensions or any approved interim contracts for the services provided under this contract; and
6. The Vendor understands that if after contract award, the County learns that the attestation 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. Further any misleading, inaccurate, 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 outlined in the Procurement Code, Section 21.119.

If the Vendor is submitting a response as a Joint Venture, the following information is required to be submitted:

- a. Name of the Joint Venture Partnership
- b. Percentage of Equity for all Joint Venture Partners
- c. A copy of the executed Agreement(s) between the Joint Venture Partners

Vendor does not have a principal place of business location (also known as the nerve center) within Broward County.


Vendor Information:

Vendor Name:

Vendor's address listed in its submittal is:

6861 SW 196th Avenue, Suite 302
Pembroke Pines, Florida 33332

The signature below must be by an individual authorized to bind the Vendor. The signature below is an attestation that all informat on list above and provided to Broward County is true and accurate.

	<input type="text" value="President/CEO"/>	<input type="text" value="R.J. Behar & Company, Inc."/>	<input type="text" value="July 6, 2020"/>
Authorized Signature/Name Robert Behar	Title	Vendor Name	Date

Tab 5) Location

R.J. Behar & Company, Inc.'s main office has been located at the same address in Pembroke Pines for over 20 years. Please see the Location Attestation Form Attached to this Section.



HEADQUARTERS

Pembroke Pines Office:
 6861 SW 196th Avenue, Suite 302
 Pembroke Pines, Florida 33332
 Tel: (954) 680 7771
 Fax: (954) 680 7781

Wellington Office:

12788 Forest Hill Boulevard,
 Suite 2003B
 Wellington, Florida 33414
 Tel: (561) 333 7000
 Fax: (561) 333 7001

Miami Lakes Office:

7850 NW 146th Street, Suite 504
 Miami Lakes, Florida 33016
 Tel: (305) 558 3777
 Fax: (305) 558 8909

Florida Department of State Division of Corporations (Sunbiz) Report

Document#: P99000088184

2020 Florida Profit Corporation Annual Report

Status: Active

2020 FLORIDA PROFIT CORPORATION ANNUAL REPORT		FILED
DOCUMENT# P99000088184		Jan 06, 2020
Entity Name: R.J. BEHAR & COMPANY, INC.		Secretary of State
Current Principal Place of Business:		8325094951CC
6861 SW 196TH AVENUE 302 PEMBROKE PINES, FL 33332		
Current Mailing Address:		
6861 SW 196TH AVENUE 302 PEMBROKE PINES, FL 33332		
FEI Number: 65-0854070		Certificate of Status Desired: Yes
Name and Address of Current Registered Agent:		
KRAKOWER, EVAN RESQ 10801 NW 1ST COURT PLANTATION, FL 33324 US		
<small>The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.</small>		
SIGNATURE: _____		
<small>Electronic Signature of Registered Agent</small>		<small>Date</small>
Officer/Director Detail :		
<small>Title</small>	<small>Name</small>	<small>Title</small>
<small>Name</small>	BEHAR, ROBERT J	S
<small>Address</small>	12090 SW 26TH COURT	<small>Name</small>
<small>City-State-Zip</small>	DAVIE FL 33330	BEHAR, DERETH A
		<small>Address</small>
		12090 SW 26 CT
		<small>City-State-Zip</small>
		DAVIE FL 33330
<small>Title</small>	VP	
<small>Name</small>	VAZQUEZ, JUAN H	
<small>Address</small>	13390 SW 26TH STREET	
<small>City-State-Zip</small>	DAVIE FL 33325	
<small>I hereby declare that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath. I shall sign as officer or director of this corporation in the receiver or trustee designated in this report as required by Chapter 607, Florida Statutes, and that my name appears above or on an aftermentioned page as that designated.</small>		
SIGNATURE: ROBERT J. BEHAR		PRESIDENT
<small>Electronic Signature of Signing Officer/Director Detail</small>		<small>Date</small>
		01/06/2020

Tab 6) Willingness to Meet Time and Budget Requirements

Tab 6. Willingness to Meet Time and Budget Requirements

SCHEDULE

RJ Behar's Project Manager is responsible for the schedule control of the project. Working with County's Staff and key members of the Project Team, Mr. Robert Behar will identify all discrete activities, resources and efforts required for each task, and prepare the project schedule. Inputs to the schedule will be activities, duration of each activity, predecessors and successors to each activity, efforts required to complete each activity, and the personnel assigned to successfully complete each activity.

RJ Behar is committed to meet the County's 18-month schedule. The schedule should satisfy the following parameters:

- The time frame should be as needed and agreed upon with the County's Project Manager.
- It should include adequate time for each step taking advantage of parallel steps as much as possible.
- It should include time for quality control reviews.
- It should include time for the revision, commenting, and approval by the County.
- It should include time necessary to coordinate with other stakeholders.
- It should adequately consider permitting agency reviews.
- The time steps should be realistic based on project constraints.

Immediately after NTP, RJ Behar will submit a project schedule to the Broward County's Project Manager for approval. Our schedules will allow four weeks for review submittals. We will track all project milestones and staffing needs on a weekly basis at our weekly in-house project manager meetings, so we can maintain a positive float. Also, RJ Behar will ensure that the project schedule is properly managed by looking ahead to critical path items and, if by some unforeseen reason the schedule falls behind (negative float), a recovery plan will be put in place. Mr. Behar will keep Ms. Bustamante advised of any impacts to the schedule immediately. The recovery plan will depend on which task is being delayed as well as why it is being delayed. It is our responsibility to track all the project activities including third-party activities (utilities, permits, counties/cities), which have a high risk of resulting in negative float. Project schedules are updated anytime there is a change of scope or after an unforeseen delay with the recovery plan put in place. Our project manager has gone through every one of these milestones on several County projects.

This process will result in a "Project Schedule" identifying activities, which are on the "critical path" as well as float time in other activities. This is particularly important because activities on the "critical path" cannot slip without adversely impacting the "Project Schedule." Mr. Behar will monitor all activities, assuring the proper level of staffing to strictly adhere to the "Project Schedule." Team meetings will be held on a regular basis to review progress and assure compliance with the "Project Schedule." Progress Reports will be submitted to the County's project manager on a monthly basis.

We utilize Primavera and/or Microsoft Project Software for schedule preparation. We believe that the successful completion of a project is highly dependent on the experience of the staff assigned to the project. RJ Behar will commit the personnel necessary and monitor project progress to meet schedules. For this project, we offer some approaches that should result in time savings to the County as follows:

- *All the Team Members are located within the South Florida region.* This gives us the ability to assign staff who are familiar with the region. They are familiar with local issues, utility companies, government and permitting agencies. Our project office in Pembroke Pines is only minutes away from the project.
- *Use of OneDrive, E-mail and FTP sites.* Through the use of these methods we can transfer data, documentation, and communicate with the County, our offices and subconsultants.
- *Our subconsultants will also follow the ascribed schedule.*
- *Please review our technical approach where we have described innovative design ideas to save the County on construction costs.*

- Our team was involved in the construction of the roadway segment immediately north of this project, giving us in-depth knowledge of this area.
- Our team has already collected a significant amount of information on this project.
- Our team has a working relationship with the major stakeholders, Central Broward Water Control District and the Town of Davie, which should facilitate project coordination and acceptance.

CONTROL BUDGET

RJ Behar is aware of the project budget for the consulting services is \$2,625,000. In order to ensure that this budget is maintained, we have established will follow the approach listed below.

- Control of Budget:
 - *Design:* The control of the design budget starts at the scoping and negotiation stage. Close coordination with Broward County's PM along with the efficiency and experience in using RJ Behar's earned value practices has enabled us to control design costs and eliminate unwanted "scope creep" as well as avoiding any unnecessary redesign. Last-minute changes to the scope of services may be avoided by having a pre-scoping meeting, where Broward County's PM and the RJ Behar's PM collectively brainstorm and agree to a scope of services. Our PM will develop a payout curve early in the project to compare the project expenditures vs. the per cent complete for each task. The payout curve is updated with every design submittal and/or after a change in the scope of services. Our PM will monitor them monthly when submitting the Progress Report. This allows our PM to make the necessary adjustments to ensure the project budgets are kept under control. We have demonstrated strict control of design costs by closely tracking our expenditures using our in-house job cost accounting software. We also track our approved deliverables against the schedule with our invoice to Broward County.
 - *Construction:* Starting in the design phase, the quality of the plans has a direct impact in controlling the construction budget. These include: 1) if a preliminary construction cost estimate is available, we will corroborate and/or report any differences to Broward County's PM, 2) make sure that appropriate pay items and/or item notes are provided, 3) verify all plan quantities, 4) avoid "scope creep," 5) update cost estimates at every phase submittal/and or after any scope of work changes and report any increases, so that a programmed budget increase can be requested,

COORDINATION AND COMMUNICATIONS WITH STAFF AND OTHER STAKEHOLDERS:

- Between RJ Behar and the County

As previously discussed, we will keep the County's Project Manager, Carolina Bustamante, PE, well-informed of all project issues at all times. Recognizing that the County's Project Managers may be managing many projects at the same time, we try to minimize the staff day-to-day involvement by either 1) obtaining needed information ourselves, 2) maximizing electronic information transfer (e-mail), 3) conference calls, and 4) delivering prompt meeting minutes. We will schedule progress meetings as often as Ms. Bustamante desires. We will provide progress reports including the activities completed, to be completed, and any pending issues. These reports are included with invoicing documenting the work completed as it relates to the invoice.

- Between RJ Behar and Subconsultants

Another important aspect of coordination is between RJ Behar and its subconsultants. Again, we will make use of electronic transfer of information in order to maintain close communication ties throughout the project. It will be our sole responsibility to make sure that our subconsultants comply with their schedule and quality of their deliverables. A key to receiving quality work from subconsultants is to keep them informed. As the Prime Consultant, we will schedule work tasks to get the required data to our subconsultants as soon as possible. We will provide our team project schedules and all updates to that schedule.

- Between RJ Behar and Utility Companies & Permitting Agencies

RJ Behar will develop a distribution list for each utility company and permitting agency. Meeting with the permitting agencies will be held as soon as the concept is developed. Utility contacts will be made as soon as topographic features and right-of-way lines are plotted. Ongoing coordination will be maintained with all agencies. It is important to note that

we propose to have a kick-off meeting at the beginning of each task with the County's Project Manager, our key staff, and subconsultants required. This meeting will ensure the start of the project on the right foot. The scope, work plan, schedules, and understanding of the task should be discussed and any major issues identified up-front.

- Between RJ Behar and Private Stakeholders

RJ Behar will, through the County, coordinate with the private stakeholders involved.

- Communication with the Public

Communication with residents is extremely important for Capital Projects located along residential communities.



Informing the public of the improvements, providing presentations, issuing bulletins, etc. is part of this process. We will provide any assistance, as requested, towards these efforts. RJ Behar could, through the County, coordinate with the private stakeholders involved. We could organize public meetings, one-on-one meetings, conference calls; prepare presentations, brochures, renderings, project graphics, web-site, and newsletters. On all public meetings, we will keep minutes or recordings as needed to document these meetings. We have conducted these services in many of our projects in the past and in our Project Development and Environmental Studies (PD&E). We have prepared Community Awareness Plans and Public Involvement Plans for sensitive projects. These plans identify the project stakeholders, community representatives, and City, County and local officials. The plan also identifies the need for meetings, whether individually, in groups, or public meetings/workshops and the action plan. These meetings then should be included as part of the project schedule.

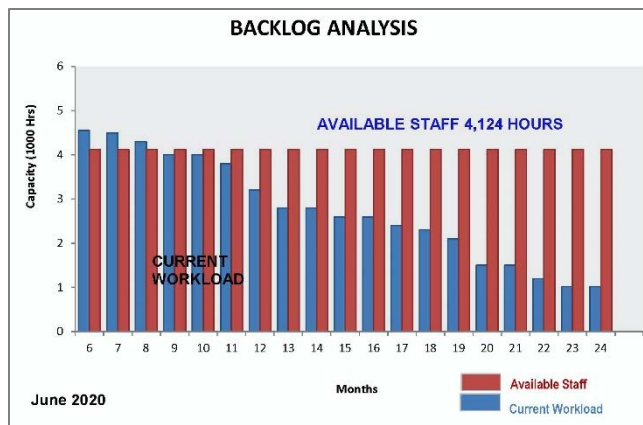
RJ Behar utilizes spreadsheets and Ajera from DELTEK, computer software, to keep track of the project budgets. Regardless of the budget constraints of any project, RJ Behar has the commitment of completing every contracted project to the satisfaction of the client. We utilize management spreadsheets for control of each project, which are discussed in our weekly meetings. At these meetings, we go over the items that need to be completed, the budget, and the staff needed to complete each item. Our company's President presides over these meetings to ensure each project and task is allocated the necessary resources.

Cost Tracking & Reporting

▪ Original Budget	▪ Total Forecast
▪ Approved Scope Changes	▪ Variances
▪ Budget Transfers	▪ Contingency
▪ Current Budget	▪ Earned Value To-Date
▪ Commitments	▪ Expended To-Date
▪ Authorized Expenditure	▪ Cash Flow Projections
▪ Extra Work Allowance	
▪ Forecast to complete	

R.J.Behar & Company, Inc.
 Engineers • Planners

The graph, "Backlog Analysis," on this page illustrates RJ Behar's current workload and remaining fee under contract. In review of our anticipated spending of work under contract and with our current workforce, we estimate that we will begin to require new contracted work sometime this fall. The illustration shows a steady decline in our contract demands, which has been substantiated by our review of our future work under contract. RJ Behar's Staff will become more available as we approach fall, which seems to be well-timed for the anticipated needs for this contract. As demonstrated, our team has considerable resources and we do believe that we will be able to meet the challenges of



this project. Our production capability will enable us to perform on this project in an efficient and expeditious manner. Several of our large production contracts will be completed in the next few months, thus reducing our backlog considerably as illustrated. We anticipate staff availability of one to two thousand staff hours per month, which can be applied to other contracts. The staff identified in the organization chart will be available to work on this contract immediately. RJ Behar will be able to provide sufficient staff to ensure timely completion of all assignments under this roadway contract.

Tab 7) Volume of Previous Work Attestation Form

VOLUME OF PREVIOUS WORK ATTESTATION FORM

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

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

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

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

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

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

The Vendor attests to the following:


Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	Prime: Paid to Date	CBE: Paid to Date
1.	CEI for Pine Island Rd. from Nova Dr./SW24th St.	R1229508P1	Broward County Highway Construction	12/08/2015	\$963,197.29	\$184,173.74
2.	CEI for Wiles Rd. for Rock Island Rd. to SR-7	R1261804P1	Broward County Highway Construction	12/23/2015	\$1,130,419.03	\$205,782.05
3.						
4.						
5.						
6.						
				Grand Total	\$2,093,616.32	\$389,955.79

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: R.J. Behar & Company, Inc.


Robert J. Behar President/CEO July 6, 2020
 Authorized Signature/Name Title Date

VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM

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

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

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

The Vendor attests to the following:

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

Grand Total

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

Vendor Name:

Authorized Signature/Name

Title

Date



R.J.Behar & Company, Inc.
E n g i n e e r s • P l a n n e r s

6861 SW 196th Avenue, Suite 302

Pembroke Pines, Florida 33332

Tel: (954) 680-7771 / Fax: (954) 680-7781

Contact: Mr. Robert J. Behar, PE

bbehar@rjbehar.com

**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 points totals, five percent (5%) of the available evaluation criteria points (for example, five points of a total 100 points), shall be assigned to Locally Based Businesses as follows:

- a. The maximum points shall be awarded to each Locally Based Business and to each joint venture that is composed solely of Locally Based Businesses; and
- b. For any other joint venture, points shall be awarded based upon the proportion of Locally Based Businesses' 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 **Local and/or Locally Based Business 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. **Location Tiebreaker 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.

- 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.

- 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.
- 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.
- 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:

- 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.
- 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.

FDOT Prequalification Form

PNC2120376P1 Consulting Services for Pine Island Road from Griffin Road to Nova Drive

FDOT Pre-Qualification	Name of Firm	Identify Prime and/or Sub-Consultant
3.2 "Major Highway Design".	R.J.Behar&Company,Inc./HSQ Group,Inc.	Prime and Sub-Consultant
4.1.1Miscellaneous Structure	R.J. Behar & Company, Inc.	Prime
6.1 Traffic Engineering Studies	R.J. Behar & Company, Inc.	Prime
7.1 Signing, Pavement Marking and Channelization	R.J. Behar & Company, Inc.	Prime
7.2 Lighting	Smith Engineering Consultants, Inc.	Sub-Consultant
7. 3 Signalizations	Smith Engineering Consultants, Inc.	Sub-Consultant
8.1 Control Surveying	HSQ Group, Inc.	Sub-Consultant
9.1 Soil Exploration	AREHNA Engineering, Inc.	Sub-Consultant

Supplier: R. J. Behar & Company, Inc.

Office of Economic and Small Business Requirements: CBE Goal Participation

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

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

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

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:**R.J. Behar & Company, Inc.**
2. Doing Business As/ Fictitious Name (if applicable):**Not Applicable**
3. Federal Employer I.D. no. (FEIN):**65-0954070**
4. Dun and Bradstreet No.:**115682549**
5. Website address (if applicable): **www.rjbehar.com**
6. Principal place of business address: **6861 SW 196th Avenue, Suite 302, Pembroke Pines, Florida 33332**
7. Office location responsible for this project: **6861 SW 196th Avenue, Suite 302, Pembroke Pines, Florida 33332**
8. Telephone no.:**(954) 680-7771** Fax no.:**(954) 680-7781**
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 Filed In)
 - Other - Specify
10. List Florida Department of State, Division of Corporations document number (or registration number if fictitious name): **P99000088184**
11. List name and title of each principal, owner, officer, and major shareholder:
 - a) **Robert J. Behar, PE - President**
 - b) **Juan H. Vazquez, PE - Vice President**
 - c) **Dereth Behar - Corporate Secretary**
 - d)
12. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name: **Robert J. Behar, PE**
Title: **Project Manager/President**
E-mail: **bbehar@rjbehar.com**
Telephone No.: **(954) 680-7771, ext. 200**

Name: **Juan H. Vazquez, PE**
 Title: **Vice President**
 E-mail: **jvazquez@rjbehar.com**
 Telephone No.: **(954) 680-7771, ext. 203**

- 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 impacts(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 this contract.
 Living Wage had an effect on the pricing. Yes No
 N/A
 If yes, Living Wage increased the pricing by% or decreased the pricing by%.

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:

Robert J. Behar, PE	President	July 6, 2020
*AUTHORIZED SIGNATURE/NAME	TITLE	DATE

Vendor Name: **R.J. Behar & Company, Inc.**

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

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).

Robert Behar, PE	President	R.J. Behar & Company, Inc.	7/06/2020
Authorized Signature/Name	Title	Vendor Name	Date

LOBBYIST REGISTRATION REQUIREMENT CERTIFICATION FORM

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

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

The Vendor hereby certifies that: (select one)

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

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

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Name of Lobbyist:

Lobbyist's Firm:

Phone:

E-mail:

Authorized Signature/Name: Robert J. Behar, PE Date: 7/6/2020

Title: President/CEO

Vendor Name: R.J. Behar & Company, Inc.

LITIGATION HISTORY FORM

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

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

Is this for a: (check type) <input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or <input type="checkbox"/> Predecessor Firm?	If Yes, name of Parent/Subsidiary/Predecessor: Or No <input checked="" type="checkbox"/>
Party	
Case Number, Name, and Date Filed	R.J. Behar & Co. Inc./Foster Marine/City of Delray Beach, #502017CA008953XXXMB-AO, City of Delray Beach, 10/12/2017
Name of Court or other tribunal	Circuit Court of the 15th Judicial Circuit in Palm Beach County, Florida
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	Accusing breach of contract - RJ Behar has filed a motion to dismiss.
Brief description of the Subject Matter and Project Involved	There is a discrepancy regarding materials used by the Contractor on this CEI project.
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: Lynn Gelin, Esq. - City Attorney Email: gelinL@mydelraybeach.com Telephone Number: 561-243-7090

Vendor Name: R.J. Behar & Company, Inc. (1 of 2)

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: R.J. Behar & Company, Inc.

VOLUME OF PREVIOUS WORK ATTESTATION FORM

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

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

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

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

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

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

The Vendor attests to the following:

Item No.	Project Title	Contract No.	Department/ Division	Date Awarded	Prime: Paid to Date	CBE: Paid to Date
1.	CEI Services for Pine Island Road from S. Nova Drive to SR-84	RFPR1229508P1	Highway Construction Engineering Division	12/08/2015	963,197.29	184,173.74
2.	CEI Services for Wiles Road from Rock Island Road to SR-7	RFPR1261804P1	Construction Engineering Division	12/23/2015	1,130,419.03	205,782.05
3.						
4.						
5.						
6.						
7.						

Grand Total **2,093,616.32** **389,955.79**

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: R.J. Behar & Company, Inc.

Robert J. Behar, PE
Authorized Signature/Name

President
Title

7/6/2020
Date

VOLUME OF PREVIOUS WORK ATTESTATION JOINT VENTURE FORM

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

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

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

The Vendor attests to the following:

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

Grand Total

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

Vendor Name: R.J. Behar & Company, Inc.

Robert Behar, PE
Authorized Signature/Name

President
Title

7/6/2020
Date

SCRUTINIZED COMPANIES LIST REQUIREMENT CERTIFICATION FORM

The completed and signed 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.

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, by virtue of the signature below, certifies that:

- a. The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4725 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
- b. 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
- c. 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.


Robert J. Behar, PE	President/CEO	R.J. Behar	& 7/6/2020
Authorized Signature/Name	Title	Company, Inc. Vendor Name	Date

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: **Janus Research, Inc.**

Subcontracted Firm's Address: **1107 N. Ward Street, Tampa, Florida 33607**

Subcontracted Firm's Telephone Number: **(813) 636-8200**

Contact Person's Name and Position: **Kenneth Hardin - Project Manager**

Contact Person's E-Mail Address: **ken_hardin@janus-research.com**

Estimated Subcontract/Supplies Contract Amount: **TBD**

Type of Work/Supplies Provided: **Archaeological Impact Study**

 bold line separating sections

2. Subcontracted Firm's Name: **InfraMap Corp.**

Subcontracted Firm's Address: **1860 Old Okeechobee Rd., #201, West Palm Beach, FL 33409**

Subcontracted Firm's Telephone Number: **(561)586-0790, ext. 1503**

Contact Person's Name and Position: **Andres M. Garcia - Sr. Utility Location Manager**

Contact Person's E-Mail Address: **agarcia@inframap.net**

Estimated Subcontract/Supplies Contract Amount: **TBD**

Type of Work/Supplies Provided: **Subsurface Utility Engineering**

3. Subcontracted Firm's Name: **I.F. Rooks & Associates, Inc.**
Subcontracted Firm's Address: **106 NW Drane Street, Plant City, FL 33563**
Subcontracted Firm's Telephone Number: **(813) 752-2113**
Contact Person's Name and Position: **Isaac (Ike) Rooks, Jr., PSM - PM/Principal**
Contact Person's E-Mail Address: **iker@ifrooks.com**
Estimated Subcontract/Supplies Contract Amount: **TBD**
Type of Work/Supplies Provided: **Photogrammetry**

 **bold**
 **line separating sections**
Subcontracted Firm's Name: **Craven Thompson & Associates, Inc.**
Subcontracted Firm's Address: **3563 NW 53 Street, Fort Lauderdale, FL 33309**
Subcontracted Firm's Telephone Number: **(954) 739-6400**
Contact Person's Name and Position: **Scott W. Peavler, RLA - Project Manager**
Contact Person's E-Mail Address: **speavler@craventhompson.com**
Estimated Subcontract/Supplies Contract Amount: **TBD**
Type of Work/Supplies Provided: **Landscape Architecture**

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

Robert J. Behar, PE	President	R.J. Behar & Company, Inc.	7/6/2020
Authorized Signature/Name	Title	Vendor Name	Date

LOCAL AND/OR LOCALLY BASED BUSINESS CERTIFICATION FORM

Subject to certain requirements, Section 1-74, et seq., Broward County Code of Ordinances, provides bidding preferences to Local Businesses and Locally Based Businesses.

To be eligible for the best and final offer (“BAFO”) (Section 1-75(a)) or the BAFO tiebreaker (Section 1-75(c)), the Vendor **must** submit this fully completed form and its Broward County local business tax receipt at the same time it submits its bid or response to a procurement solicitation. Vendors who fail to comply with this submittal deadline will not be eligible for either the BAFO or the BAFO tiebreaker.

For all other location preferences, 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, and the Vendor **must** submit such form and documentation within three (3) business days after a written request from the County. A Vendor who fails to comply with this deadline will not be eligible for these other bidding preferences.

In accordance with Section 1-74, et seq., Broward County Code of Ordinances, 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**, as each is defined by Section 1-74, Broward County Code of Ordinances. The undersigned Vendor further certifies that it has continuously maintained, for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised), a physical business address located within the limits of Broward County, listed on the Vendor’s valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements), in an area zoned for the conduct of such business, that the Vendor owns or has the legal right to use, and from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation (as so defined, the “Local Business Location”).

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 undersigned Vendor further certifies that each of the following statements is true and correct:

- 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), a physical business address located within the limits of Broward County, listed on the Vendor’s valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements), in an area zoned for the conduct of such business, that the Vendor owns or has the legal right to use, and from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation (as so defined, the “Local Business Location”);
- 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 and controls 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; and
- 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.

Option 3: The Vendor is a joint venture composed of one or more Local Businesses or one or more Locally Based Businesses. The Vendor attests that the proportion of equity interests in the joint venture owned by **Local Businesses** (each Local Business must comply with all of the requirements stated in Option 1 above) is _____% of the total equity interests in the joint venture. The Vendor attests that the proportion of equity interests in the joint venture owned by **Locally Based Businesses** (each Locally Based Business must comply with all of the requirements stated in Option 2 above) is _____% of the total equity interests in the joint venture.

Option 4: Vendor is not a Local Business or a Locally Based Business, as each 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
2. If Vendor is a wholly-owned subsidiary of any other entity, documentation identifying the vertical corporate organization of Vendor name(s) of all parent entities.

Option 3 (Joint Venture composed of one or more Local Businesses or Locally Based Businesses):

1. Broward County local business tax receipt(s) for applicable Local Business(es) or Locally Based Business(es)
2. Executed joint venture agreement, if any
3. If any of the Local Businesses or Locally Based Businesses that comprise the Vendor is a wholly-owned subsidiary of any other entity, documentation identifying the vertical corporate organization of such businesses and name(s) of all parent entities.

If requested by County:

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

Refer to Section 1-74 et seq., Broward County Code of Ordinances, for additional information regarding eligibility for local preference.

By submitting this form, the Vendor further attests as follows:

Vendor's Local Business Location Address (as defined in Section 1-74, Broward County Code of Ordinances):

If awarded a contract, it is the intent of the Vendor to remain at the 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.)

**6861 SW 196th Avenue, Suite 302
Pembroke Pines, Florida 33332**

Local Business Location

True and Correct Attestations:

Any misleading, inaccurate, or false information or documentation submitted by any party affiliated with this procurement may lead to suspension and/or debarment from doing business with Broward County as authorized by the Broward County Procurement Code, Section 21.119. 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.

Robert J. Behar, PE

President/CEO

**R.J. Behar & Company,
Inc.**

7/6/2020

**AUTHORIZED
SIGNATURE/NAME**

TITLE

COMPANY

DATE

LOCATION TIE BREAKER FORM

Sections 21.31.c and 21.31.d of the Broward County Procurement Code provide certain tie breaker criteria, the first of which is based upon vendor location.

To be eligible for the location tiebreaker in Broward County Procurement Code Sections 21.31.c or 21.31.d, the Vendor **must** submit this fully completed form and its Broward County local business tax receipt at the same time it submits its bid or response to a procurement solicitation. Vendors who fail to comply with this submittal deadline will not be eligible for the location tiebreaker.

Tie Breaker: In accordance with Broward County Procurement Code, Sections 21.31.c and 21.31.d, the undersigned Vendor hereby certifies that (check the box for only one option below):

The Vendor has been in existence for at least the six (6) month period immediately preceding the solicitation opening date, at a physical business address located within the limits of Broward County), in an area zoned for the conduct of such business, 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.

The Vendor does not meet the location tie breaker requirements stated above.

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, Section 21.119. 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.

Robert J. Behar, PE

President/CEO

**R.J. Behar & Company,
Inc.**

7/6/2020

**AUTHORIZED
SIGNATURE/NAME**

TITLE

COMPANY

DATE

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: **Robert J. Behar, PE**

Title: **President/CEO**

Vendor Name: **R.J. Behar & Company, Inc.**

Date: **7/6/2020**



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